ECLIPSE

Audio

AVN5495

ESN E5 6.5” Wide TFT Touch-Panel Display
CD/DVD/MS Multi-Source Receiver with HDD Navigation

We appreciate your purchase of this receiver.
Please read through this manual for correct operation.
We suggest that after reading it you keep this manual
in a safe place for future reference.

FUJITSU TEN

Warnings and cautions signs, illustrated below, are posted throughout this manual as well as on the device itself. They show safe and correct ways to handle the product so as to prevent personal injury to you and others, and to avoid damage to property. Before reading through the manual, take time to read through and learn the important information listed in this section.

Cautions for use

* The images appearing on the screen may differ from those shown in this manual depending on the type of database used and when it was created.

Warning

This sign indicates a situation in which incorrect handling through disregard of a sign might result in death or serious personal injury.

Caution

This sign indicates a situation in which incorrect handling through disregard of a sign might result in personal injury or may result solely in damage to property.

The symbol shown below indicates important instructions or helpful information to keep in mind.

A point it will be helpful to remember.
Important points.

- Please read all materials that come with the product, such as manuals and warranties.

  Fujitsu Ten will not be responsible for unsatisfactory product performance due to failure to follow these instructions.

- Changes in product specifications may result in differences between the content of the manual and actual product features.

Please use care in handling the manual.

Forcefully spreading or pulling on pages may result in their falling out of the binding.
Use the manual carefully.

Table of Contents

Introduction

How to use this manual 12

Features 14

Before using the deck 17

About discs. 19
About supported disc types 19
About handling discs 20
About new discs 21
About rental discs 21
About specially shaped discs. 21
About disc accessories. 21
About the Memory Stick 22
About supported Memory Stick types 22
About handling the Memory Stick 23
About the LCD panel 23

Basic operation

Switching modes 24

Switching the mode 24
Displaying operation screen. 24
Switching source using touch switches 25

Operation screen of each mode 26

Adjusting the volume 27

Adjusting the main volume 27
Setting the BEEP tone 27

Adjusting sound quality 28

Displaying the sound adjustment screen 28
Setting Circle Surround II 30
Setting DSP (acoustics). 31
DSP mode setting 31
Adjusting, saving DSP (acoustics). 31
Resetting DSP (acoustics) levels 32

Adjusting EQ (equalizer) 32
Setting sound quality 32
Adjusting/Saving an EQ curve 33
Resetting EQ curves 33
Adjusting POS (Positioning selector) 34
Setting the balance 35
Setting LOUDNESS 36
Setting sub woofer 36
Setting the harmonizer 37

Setting background screen 38

Setting the wallpaper 38

Adjusting/setting the screen 39

Switching the FUNCTION switch display 39
Displaying the image adjustment screen 40
Setting daytime display to display when vehicle lights are on 41
Turning the screen off 41
Adjusting image quality 42
Switching screen mode 42

How to operate the tuner

How to use the AM/FM radio 44

Listening to the AM/FM radio 44
Selecting radio stations 45
Manual selection 45
Automatic selection 45
Selection using preset switches 45
Saving radio stations 46
Saving manually 46
Saving with AUTO.P 46
Changing stations saved by AUTO.P 46
Turning off the radio 48

How to operate the CD player

How to use the CD player 49

Listening to a CD 49
Selecting a track 50
Fast-forwarding/rewinding 50
Searching for a track 50
Repeating a track 50
Playing tracks in random order 51
Turning off the CD player 51

How to operate the MP3 player

How to use the MP3 player 52

Playing MP3 53
Selecting a music file 53
Selecting with file change switches 53
Selecting with TUNE/TRACK button 53
Fast-forwarding/rewinding 54
Changing display of the current level 54
Displaying the current level 54
Searching for a music file 54
Repeating the same music file 55
Playing music files in random order 55
About display of file information 56
Displaying folder/file names 56
Displaying file information 56
Turning off the MP3 player 56
About MP3s 57
Playable MP3 file standards 57
ID3 tags 57
Media 57
Format of discs 58
File names 59
Multi-sessions 59
Playing MP3 59
MP3 playing time display 59
Display order of MP3 file/folder names 59

Making and playing MP3 files 60
Downloading from Internet MP3 music sites 60
Converting CD music to MP3 files 60
When writing to CD-R/RW 60
When playing back CD-R/RW 60

How to operate the Memory Stick player

How to use the Memory Stick player 61

Listening to Memory Stick data 61
Selecting a track. 62
Fast-forwarding/rewinding 62
Searching for a track 62
Repeating a track 62
Playing tracks in random order 63
Turning the Memory Stick off 63

How to operate the CD Changer

How to use the CD changer 64

Listening to a CD 64
Selecting a track. 64
Fast-forwarding/rewinding 64
Selecting a CD 64
Searching for a track or CD from all CDs in the changer. 65
Searching for a track 65
Searching for a CD. 65
Repeating a track or CD 65
Repeating the current track 65
Repeating the current CD 65
Playing tracks in random order 66
Playing tracks on current CD in random order 66
Playing tracks on all CDs in random order 66
Turning off the CD changer. 66

How to operate MUSIC JUKE

Before using MUSIC JUKE 67

Description of MUSIC JUKE 67
About the structure of MUSIC JUKE 67
About Play Modes/Playlists 68
About databases 69
About Gracenote CDDB 69
About Auto-titling 70
Digital recording 70
Analog recording 71
About displaying database information 72
About updating the database 73
Checking hard disc capacity 74
How to operate MUSIC JUKE 75

Recording with MUSIC JUKE 76

About recording with MUSIC JUKE 76
About sources and recording styles that allow recording 76
Notes regarding recording 76
About digital recording 77
About analog recording 77
Setting recording method 78
Setting digital recording mode 79
Setting Auto Marker 79
Setting the recording bit rate 80
Recording with MUSIC JUKE 80
Automatically recording a CD during playback 81
Recording preferred tracks (songs) from a CD 82
Recording from sources other than a CD 82

How to use MUSIC JUKE 83

To listen to MUSIC JUKE 83
To select a track (song) 83
Selecting with track selection (track start point) button . . . 84
Selecting with Play Mode/Playlist change switch 85
Fast-forwarding/rewinding 87
Searching for a track (song) 87
Searching for a track (song) from a playlist 87
Searching for a playlist from a play mode 87

Repeating a track (song) 88
Repeating the current track 88
Repeating the current playlist 88
Playing tracks (songs) in random order 88
Play tracks in current playlist in random order 88
Playing all tracks recorded in MUSIC JUKE in random order 88
Turning MUSIC JUKE off 89

Editing a playlist 90

Creating a playlist 90
Entering playlist name 92
Editing a playlist name 93
Retrieving title information from the database 95
Switching playlist order 97
Reorder according to your own preference 97
Switching to chronological order 98
Deleting a playlist 99

Editing a track 101

Adding a track 101
Track search 103
Editing track information 103
Displaying the track edit screen 104
Changing the track title 105
Changing the artist 105
Changing the genre 106
Deleting a track 107

How to operate the DVD player

Before using the DVD player 109

DVD video characteristics 109
About Multiple Languages 109
About Multiple Angles 109
About subtitles 110
About discs 110
About playable discs 110
About region codes of playable discs 111
About marks displayed on discs 111
About DVD disc structures 112

How to operate the DVD player. 113

How to use the DVD player 114

Watching a DVD 114
Operating the video 115
Playing the video 115
Fast-forwarding/rewinding 115
Fast-forwarding/rewinding using the panel buttons 115
Fast-forwarding/rewinding using the touch switches 115
Pausing the video 116
Stopping the video. 116
Operating the disc menu 117
Turning off the DVD 117
Searching for a desired chapter 118
Searching by chapter 118
Searching by title number. 118
Searching by menu number 119
Changing the touch switch display 120
Turning off the touch switches. 120
Changing the touch switch display locations. 120
Switching screen display/audio 121
Changing the angle 121
Switching subtitle language 122
Switching dubbed audio language. 123
Setting the DVD player 124
Setting the audio language 125
Input a code 125
Subtitle language setting 126
Input a code 126
Menu language setting 127
Input a code 127
Setting display of multi-angle mark (angle selection mark) 128
Viewer restriction setting 129
Changing video output 130
Table of language codes 131

How to operate the VTR

How to use the VTR 132

Viewing the VTR 132
Switching to the VTR setting screen 132
Turning off the VTR mode 133

How to use the Card remote control

How to use the card remote control 134

Turning the power on/off 135
Adjusting the audio volume 135
Muting the volume 135
Switching playback modes 136
How to play the tuner 136
Selecting the FM/AM band 136
Selecting a station (manually or automatically) 136
Selecting preset stations 136
How to play CDs 138
Switching disc modes 138
Advancing to the next track or returning to the beginning of the track being played 138
Skipping to the next or previous disc 138
Replacing the battery 139

For reference

Important Points 141

If one of these messages appears 141
Before asking for repairs 144

Other 146

Products equipped with Dolby Digital 146
Products equipped with Macrovision 146

Glossary 147

Using Gracenote CDDB 150

Topic Index 151

About screen and sound adjustment 151
About using AM/FM radio 152
About using the CD player and CD changer 152
About using the MP3 player 153
About using the Memory Stick player 153
About using MUSIC JUKE 154
About using the DVD player 156
When something isn't clear. 157

Index 158

The Topic Index simplifies searches for explanations about individual features. When confused by an operation, use the Topic Index to search for information about the operation.

MEMO

1. How to use this manual

Item title

A number and title is assigned to each item.

Section title

A title is assigned to each section.

Adjusting sound quality

Detailed operation title

A title is assigned to each detailed operation.

Resetting DSP (acoustics) levels

Default settings for the currently adjusted and saved DSP (acoustics) level can be reset.

1 Touch **OFF** until you hear a beep.

- The acoustics level will be returned to default value.

Operation title

A title is assigned to each operation.

Adjusting EQ (equalizer)

Adjusts sound quality to preferred characteristics according to the music genre and audio source.

Setting sound quality

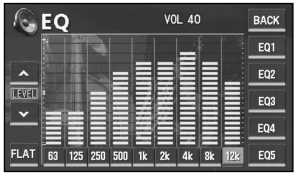
Each factory set equalizer curve can be set to a preferred curve.

Operation procedure

Describes the operation. Proceed with the operation according to the numerical order.

1 Touching the EQ touch switch brings up the equalizer mode screen as shown in the illustration.

- Touch **BACK** after making settings. The equalizer mode adjustments will be saved and the system will return to the previous operation screen.



Touch switch	Equalizer mode types
FLAT	No EQ correction
EQ1	POPS effect curve
EQ2	ROCK effect curve
EQ3	JAZZ effect curve
EQ4	CLASSIC effect curve
EQ5	VOCAL effect curve

Attention

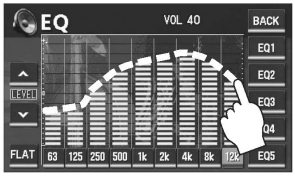
Additional points regarding operation are given here.

ATTENTION You cannot set EQ at the same time as Circle Surround II.

Adjusting/Saving an EQ curve

Each factory set equalizer curve can be adjusted according to user preference and saved.

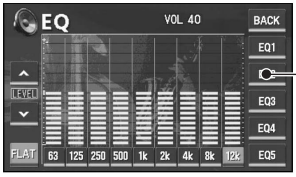
1. Touch the screen and slowly draw the image of the preferred equalizer curve with your finger.
2. To make fine adjustments, touch the switch for the frequency to be adjusted.
3. Touch ∧ or ∨ at the left of the screen to perform fine adjustments.
4. Touch the switch you want to use to save (**EQ1** to **EQ5**) until you hear a beep.
   - The saved equalizer curve can be used for other settings.
   - Touch **BACK** after making settings. The equalizer mode adjustments will be saved and the system will return to the previous operation screen.



Resetting EQ curves

Currently saved equalizer curves and factory set equalizer curves can be returned to the default values.

1. Touch **FLAT** until you hear a beep.
   - The equalizer curve will be reset to default values.



Section side heading

The side heading for the current section.

Operation screen

A screen showing the operation.

Continue to the next page

Indicates that operation procedures continue on the next page.

2. Features

MUSIC JUKE for recording music (Page 67)

With MUSIC JUKE, which employs a high-capacity hard disc, you can record voice or music output from any of the audio modes. Aside from being able to search for recorded data by type, the Edit function also allows you to create your own private album.

DVD player with sharp video and dynamic sound (Page 109)

Plays DVD videos recorded with high image and sound quality.

(DVD media is able to record a movie with high quality video and digital sound that exceeds the quality of CD media.)

MP3 player that plays back the equivalent of several albums of music recorded on a single music disc (Page 52)

MP3 audio compression technology compresses audio data to one-tenth the original size. CD-R/RW with recorded MP3s can be played.

DSP effects for simulating acoustics of various performance environments (Page 31)

Provides ability to simulate the sensation of various performance environments for matching to the genre and source of a song.

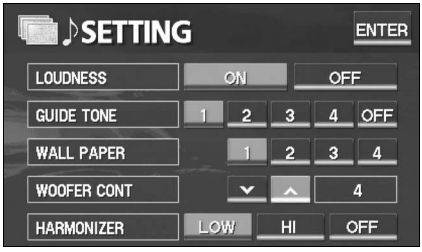
Memory Stick player for playing music downloaded from a computer (Page 61)

Supports ATRAC3 audio compression technology which combines high sound quality with a high compression rate. Audio files downloaded to the MG Memory Stick from computers or mobile phones can be played.

Selection and display of favorite wallpaper (screen backgrounds) (Page 38)

Wallpaper of your choice can be switched and displayed for use as the background of the information screen and audio operation screens.

The screen from a navigation unit can also be linked and selected.



●Setting wallpaper for the information screen and audio operation screens

Features

System upgrade

● **CD changer (Page 64)**

A CD changer enables non-stop playing of multiple discs, for convenience at times such as taking a long drive.

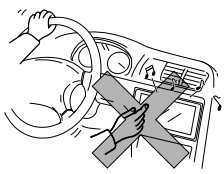
It is easy to search for and play a song from among the discs on a changer.

● **VTR (Page 132)**

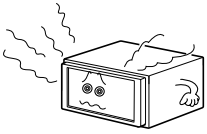
Videos can be watched if a VTR deck is connected.

3. Before using the deck

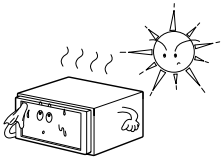
Caution



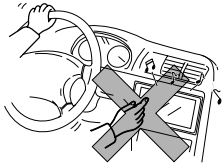
● Be very careful and pay close attention to safety when operating the audio controls while driving, otherwise accidents may occur. Also be sure to set the volume so that you can still adequately hear sounds outside the vehicle.
Otherwise damage may occur.



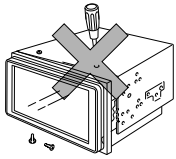
● Never continue to use the system if it is malfunctioning in any way. If smoke, abnormal noises or abnormal odors are noticed, turn off the power immediately.
Immediately turn off audio in such situations.



● Exercise caution as to the temperature inside the vehicle. The temperature inside the vehicle can increase during hot weather. Wait for the temperature inside the vehicle to drop before using the unit.
Otherwise damage may occur.



● Drivers should not operate the DVD while driving. Also be sure to set volume so that you can still adequately hear sounds outside the vehicle.
Otherwise damage may occur.

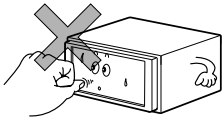


● Do not disassemble or modify the deck.
The deck has a precisely designed structure, so contact the store of purchase in the event of any unsatisfactory performance.

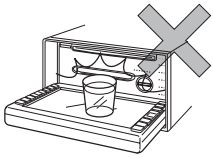
Continue to the next page

Before using the deck

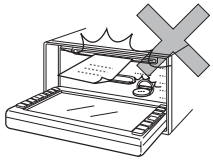
Caution



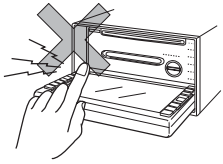
● Do not apply excessive force to the monitor, or damage may occur.



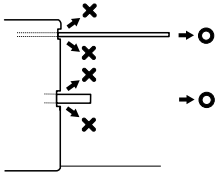
● Do not place items such as cups or cans on top of the monitor, and do not leave the monitor tilted down when not in use.
Otherwise damage may occur.



● Do not insert any objects other than discs or Memory Sticks into the slot.
Otherwise damage may occur.



● Be careful not to get fingers or other objects caught in the monitor when it is being retracted into place.
Interference can cause an injury or damage the deck.



● When removing a disc or Memory Stick from the deck, do so in a horizontal direction.
Do not pull them up forcibly or press down on them strongly while removing them.
Removing improperly can scratch the disc, cause deck noise or damage the Memory Stick.

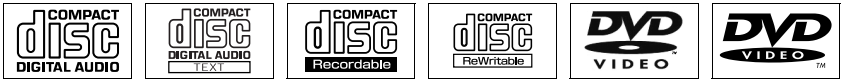
About discs

ATTENTION

- Water droplets (condensation) can form on the inside of the unit during cold or rainy weather in the same way car windows can fog up. When this happens, the audio can jump and playback can stop, so ventilate or dehumidify the vehicle for a short time before operating the equipment.
- To safeguard the components of the player, the unit will automatically stop when a malfunction occurs. If the player will not operate even when messages displayed on the screen are followed, it is possible that the unit has been damaged. Contact the store of purchase.
- It is possible that the sound will skip if the vehicle experiences violent motion on rough roads.

About supported disc types

- An audio or DVD video disc bearing one of the marks shown below can be played. Only DVD-R/RW (DVD-Recordable/ReWritable) and DVD+R/RW (DVD+Recordable/ReWritable) discs recorded in Video mode can be played. Discs recorded in Video mode (VR) cannot be played.



- Supports Dolby Digital. Discs bearing the following mark can be used.

Manufactured under license from Dolby Laboratories, Inc. Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

- It is possible that a CD-R (CD-Recordable) or CD-RW (CD-ReWritable) disc will not play on the unit due to special disc characteristics, scratches, dirt or deterioration caused by long storage in the vehicle. In addition, an unfinalized CD-R or CD-RW disc written in CD-R, CD-RW or UDF format will not play on the unit.
- It is possible that a DVD-R/RW (DVD-Recordable/ReWritable) or DVD+R/RW (DVD+Recordable/ReWritable) disc will not play on the unit due to special disc characteristics, scratches, or dirt or deterioration caused by long storage in the vehicle. In addition, an unfinalized DVD-R or DVD-RW disc will not play on the unit. It is possible that discs recorded using a computer may not play on the unit depending on the environment and/or settings of applications.
- The CD-TEXT function requires commercially available CDs which support CD-TEXT. It is possible that characters in CD-R and CD-RW data may not be displayed correctly.
- Do not use discs with transparent or semi-transparent portions within the recording area, or C-thru discs, since they may not be accepted and ejected properly and may not play properly.

Continue to the next page

Before using the deck

ATTENTION

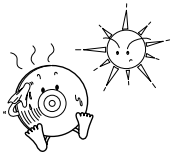
- Super Audio CDs can only be played in the hybrid disc layer.

SUPER AUDIO CD Hybrid

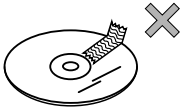
- CCCDs (Copy Control CD) do not conform to official CD standards and so are not supported.
- CD-EXTRA discs can be played as audio CDs.
- Voice tracks on Mixed Mode CDs cannot be played. Only music tracks will be played.
- Video-CDs cannot be played.

COPY CONTROL CD

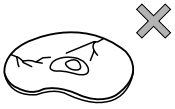
About handling discs



- Be sure to store discs in their cases and keep them out of direct sunlight. Discs can warp and become unusable.



- Do not apply paper-based tape to either the recording side or label side of a disc. Otherwise damage may occur.



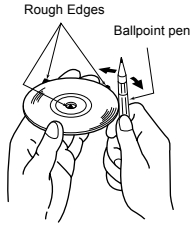
- Do not use discs on which there are cracks or large warps. Otherwise damage may occur.

- Do not touch the recorded side of a disc when handling it. (Iridescent side of the CD) The disc may become dirty causing jumping to occur.

- Using a disc that has become dirty can scratch the disc and result in sound jumping. Use a commercially available compact disc cleaner to clean the CD, wiping lightly from the center to the edge.

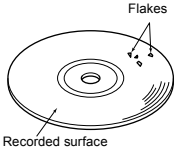
ATTENTION

About new discs



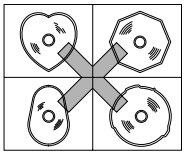
- You may notice that some brand new discs are rough around the center hole or outside edge. Remove the rough edges with the side of a ballpoint pen, etc. Rough edges may prevent proper loading in the unit. Flakes from the rough edges may also stick to the recorded surface and interfere with playback.

About rental discs



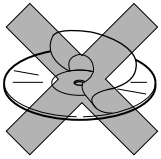
- Do not use CD discs with attached cellophane tape, rental CD discs with glue protruding from labels or discs with the residue of peeled adhesives. Using discs with those conditions can prevent the player from properly opening and closing as well as cause other damage.

About specially shaped discs

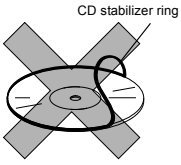


- Specially-shaped CDs cannot be played. Do not attempt to play them, even with an adapter, since they may damage the player.
- Please do not use a commercially available lens cleaner because it may cause damage to the pickup of the player.

About disc accessories



- Do not use accessories (stabilizers, protective seals, laser lens cleaners, etc.) sold for "improving sound performance" or "protecting CDs." The changes in CD thickness or outside dimensions made by these accessories may cause problems in the player.



- Do NOT attach any ring-shape protector (or other accessory) to your discs. Those protectors are commercially available and said to protect discs and to improve sound quality (and anti vibration effect), but they can do more harm than good during regular use. The most common problems are insert/eject related problems and "No playback" problems due to the protector ring coming off in the disc mechanism.

Before using the deck

About the Memory Stick

ATTENTION

- Do not leave the Memory Stick in places exposed to static electricity or electrical noise. Otherwise, data may be lost.
- To safeguard the components of the player, the unit will automatically stop when a malfunction occurs. If the player will not operate even when messages displayed on the screen are followed, it is possible that the unit has been damaged. Contact the store of purchase.
- After playback or uploading of data to the hard drive is complete, promptly remove the MG Memory Stick.
- Do not remove the Memory Stick while it is being used to upload data to the hard drive or playback data. Otherwise, data may be lost. Please be aware that we will not be held responsible for lost data.

About supported Memory Stick types

- Memory Sticks with a capacity of up to 128MB are supported.
- The Memory Stick Duo must be used with the Memory Stick Duo Adapter.
- Memory Stick PRO is not supported.
- MG Memory Sticks labeled with the following marks can be used with this device.

MAGICGATE

- MG Memory Sticks labeled with the following marks can only be used when registering a pass code in database update or Eclipse Security Network (ESN).

MagicGate Memory Stick MAGICGATE and Memory Stick are registered trademarks of Sony Corporation.

- Use the dedicated device to format (initialize) the MG Memory Stick. The Memory Stick cannot be used on this unit if it has been formatted using a device other than the dedicated device.

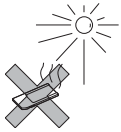
ATTENTION

About handling the Memory Stick

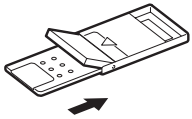
- In order to maintain a high quality sound, regularly wipe clean any dust or dirt from the surface of the cartridge with a dry cloth.

- Do not use Memory Sticks with tape or peeling labels.

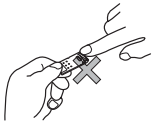
- Store in a dry place, out of direct sunlight. Otherwise, it may become impossible to use the Memory Stick.



- Always place in the case provided when transporting or storing.



- Do not touch terminals with metal objects or your bare hands.



About the LCD panel

ATTENTION

- The LCD panel can appear to be white or black when seen from certain angles.
- The screen will be difficult to read when external light such as sunlight falls on the display.

1. Switching modes

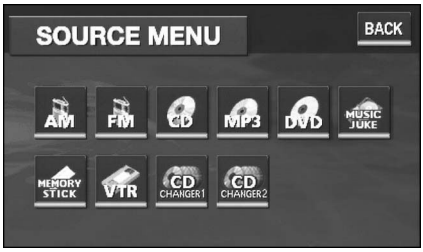
The deck can be used when the vehicle's ignition switch is on or in the ACC position.

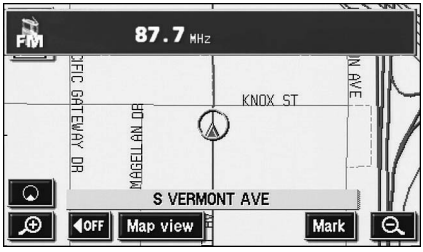
- This deck supports use of a remote control. The card remote control is sold separately and can be purchased at your local retailer. See page 134 for instructions on operation of the remote control.

Switching the mode

1 Press **SOURCE MENU** .

2 Touch the touch switch for an audio mode and the relevant mode will be displayed on the screen.





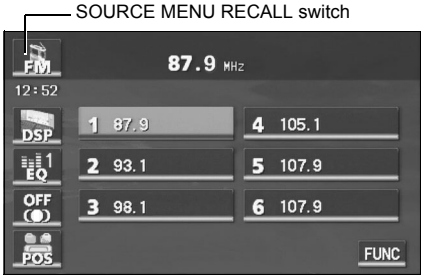
- On-screen display

Displaying operation screen

1 Press **AUDIO CONT** .

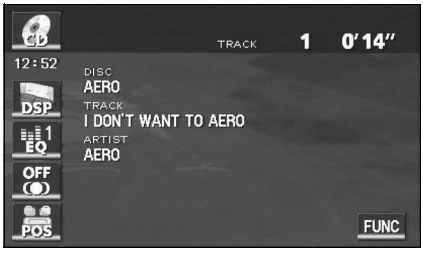
Switching source using touch switches

1 Touch the SOURCE MENU RECALL switch (indicated at right) in the audio or DVD/VTR operation screen.



2 When the SOURCE MENU switch is touched, the operation screen for the selected source is displayed.

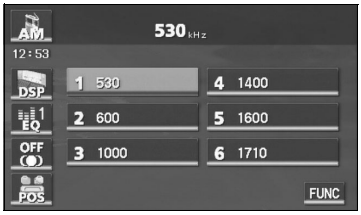
- Touch ◀ to return to the original screen.



2. Operation screen of each mode

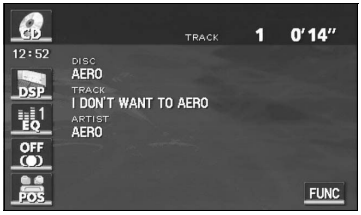
The operation screen for each mode will appear as shown below.

●AM radio operation screen



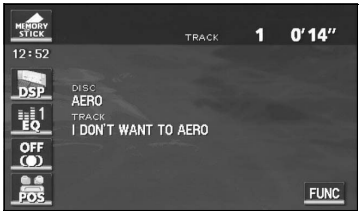
●FM radio operation screen

●CD player operation screen



●MP3 player operation screen

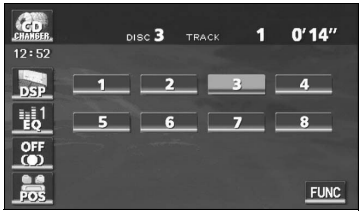
●Memory Stick player operation screen



●MUSIC JUKE operation screen

●DVD player operation screen

●CD changer operation screen (optional)



●VTR operation screen

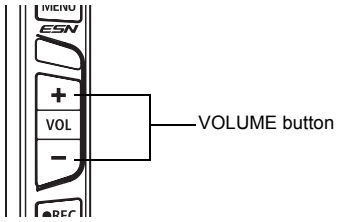
When the operation screen for the DVD or VTR has not been operated for 6 seconds or more, it will automatically be canceled.

3. Adjusting the volume

Adjusting the main volume

1 Press the VOLUME button.

- Adjustment levels from 0 to 80 are available.
  - + (up) : Volume UP (louder)
  - − (down) : Volume DOWN (quieter)



Setting the BEEP tone

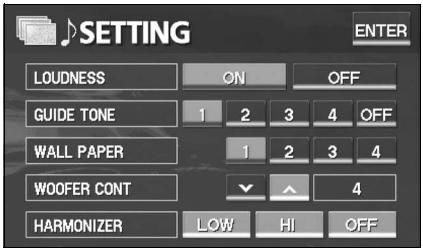
The guide tone that is emitted when touching a panel switch or touch switch can be set.

1 Touch **SETTING** in the INFORMATION screen.

2 Touch **1** , **2** , **3** , **4** , or **OFF** for GUIDE TONE.

- The selected touch switch will turn green.
- Touch **OFF** to cancel (turn off) the guide tone.

3 Touch **ENTER** .



ATTENTION

- Set the volume at a level which will not adversely affect your safety while driving.
- The volume level may change after switching sources. Adjust the volume to match the source being used.
- If the volume is adjusting during DVD playback, this adjusted volume can be saved as the volume level for the DVD player.
- A volume adjustment made during DVD playback will not affect other sources. The volume will return to the level set for the source used prior to the DVD.

4. Adjusting sound quality

By adjusting the DSP settings, equalizer, and the volume balance you can simulate a favored sound environment within the vehicle.

Sound quality can be adjusted in all audio operation screens as well as in the information screen.

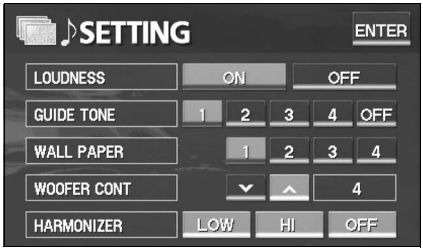
Displaying the sound adjustment screen

■ **From an operation screen**

Touch **SET** in the VTR operation screen, or **NEXT** in the DVD operation screen followed by **SET** to display the switch for sound quality adjustment.

■ **From the information screen**

Press **INFO**, then touch **SETTING** .



The following settings/adjustments can be made in operation screens and setting screens.

Touch switch/item	Function	Page
DSP	It is possible to recreate acoustics (concert hall) that match the music genre or source you are going to play.	31
EQ	Each factory set equalizer curve can be adjusted to create a customized curve.	32
Circle Surround II	Circle surround can easily be simulated using the existing speaker system in your vehicle (when the vehicle has 4 speakers).	30
POS	Sound localization can be adjusted according to the number and position of passengers in order to obtain optimum acoustic effects.	34
FADER BALANCE	The left/right/front/rear balance can be adjusted.	35
LOUDNESS	It is possible to emphasize bass/treble when listening at low volume.	36
HARMONIZER	It is possible to set the harmonizer level so that compressed data is played back with a sound quality corrected to a level as close as possible to that of the original data.	37
WOOFER CONT	The sub woofer output can be adjusted.	36

Adjusting sound quality

Setting Circle Surround II

The Circle Surround II function enables surround sound and boosts bass even if the center speaker and sub woofer are not connected. It can also be applied to dialog data when listening to the radio.

1 Touch LOW (●) in an audio operation screen or the VTR/DVD screen.

- Each touch of the switch switches the status in the order shown below.

OFF → LOW → HI

- LOW : Low re-creation effect
  HI : High re-creation effect
  OFF : The function is disabled.

ATTENTION

- You cannot set Circle Surround II at the same time as DSP, EQ or POS.
- Circle Surround II, SRS, and the (●) symbol are trademarks of SRS Labs, Inc.
- Circle Surround II technology is manufactured under license from SRS Labs, Inc.

Setting DSP (acoustics)

The DSP function reproduces the sensation of various factory set performance environments by adding reverberation to the music being played.

DSP mode setting

1 Touching the DSP touch switch brings up the acoustics mode screen as shown.

- Touch **BACK** after making settings. The acoustics mode adjustments will be saved and the system will return to the previous operation screen.

Touch switch	DSP Environment	Touch switch	DSP Environment
CONCERT	Concert hall	**CLUB**	Disco/Club
LIVE	Live performance arena	**THEATER**	Movie theater/theater
CATHEDRAL	Church with echo	**OFF**	DSP OFF

Adjusting, saving DSP (acoustics)

The factory set DSP (acoustics) level for each mode can be adjusted to preference and saved.

1 Touch ∧ or ∨ at the left of the screen while in the preferred acoustics mode.

- There are five + and five - adjustment levels available.

2 Touch the switch for the acoustics mode that has been adjusted until you hear a beep.

ATTENTION

- When adjusting the level for the currently selected DSP (acoustics) mode, the level will not be saved for other acoustics modes.
- You cannot set DSP (acoustics) at the same time as Circle Surround II.

Adjusting sound quality

Resetting DSP (acoustics) levels

Default settings for the currently adjusted and saved DSP (acoustics) level can be reset.

1 Touch **OFF** until you hear a beep.

- The acoustics level will be returned to default value.

Adjusting EQ (equalizer)

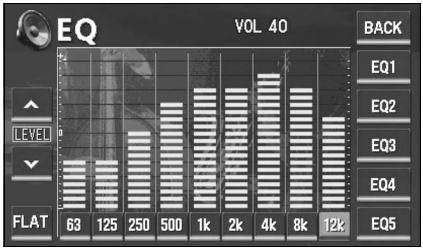
Adjusts sound quality to preferred characteristics according to the music genre and audio source.

Setting sound quality

Each factory set equalizer curve can be set to a preferred curve.

1 Touching the EQ touch switch brings up the equalizer mode screen as shown in the illustration.

- Touch **BACK** after making settings. The equalizer mode adjustments will be saved and the system will return to the previous operation screen.



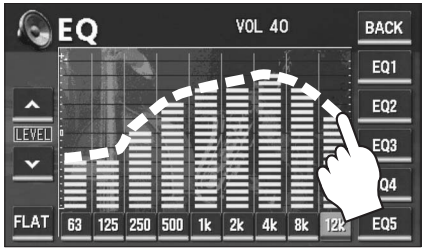
Touch switch	Equalizer mode types
FLAT	No EQ correction
EQ1	POPS effect curve
EQ2	ROCK effect curve
EQ3	JAZZ effect curve
EQ4	CLASSIC effect curve
EQ5	VOCAL effect curve

ATTENTION

You cannot set EQ at the same time as Circle Surround II.

Adjusting/Saving an EQ curve

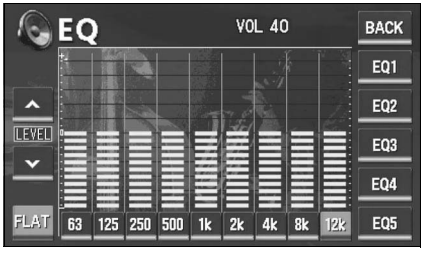
Each factory set equalizer curve can be adjusted according to user preference and saved.



1. Touch the screen and slowly draw the image of the preferred equalizer curve with your finger.
2. To make fine adjustments, touch the switch for the frequency to be adjusted.
3. Touch ∧ or ∨ at the left of the screen to perform fine adjustments.
4. Touch the switch you want to use to save (**EQ1** to **EQ5**) until you hear a beep.
   - The saved equalizer curve can be used for other settings.
   - Touch **BACK** after making settings. The equalizer mode adjustments will be saved and the system will return to the previous operation screen.

Resetting EQ curves

Currently saved equalizer curves and factory set equalizer curves can be returned to the default values.



1. Touch **FLAT** until you hear a beep.
   - The equalizer curve will be reset to default values.

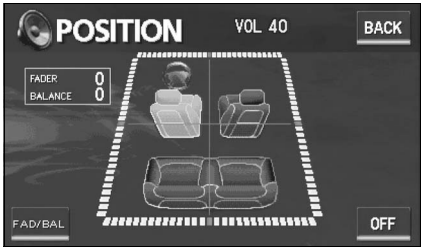
Adjusting sound quality

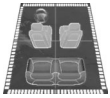
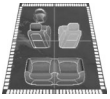
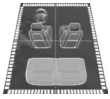
Adjusting POS (Positioning selector)

Sound localization can be adjusted according to the number and position of passengers in order to obtain optimum acoustic effects.
A seat's sound localization can be adjusted simply by touching the switch.

1 Touch each seat image displayed in the POSITION setting screen to switch the sound localization for that seat.

- The selected position will turn Light-blue. Touch the seat again to cancel the selection. The four positions shown by the table below can be set.
- Touch **OFF** to cancel all settings.
- Touch **BACK** after making settings. The position will be saved and the system will return to the previous operation screen.



Touch switch	Function	Touch switch	Function
	Acoustics optimized for driver's seat		Acoustics optimized for both front seats
	Acoustics optimized for passenger's seat		Acoustics optimized for rear seats

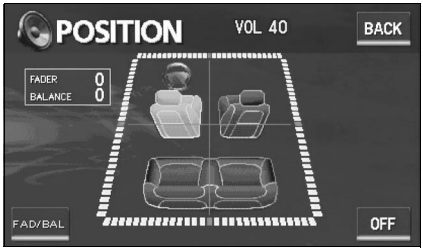
ATTENTION

- You cannot set POS (Positioning selector) at the same time as adjusting Circle Surround II or the balance (next page).
- This product is configured for vehicles with left-hand drive.

Setting the balance

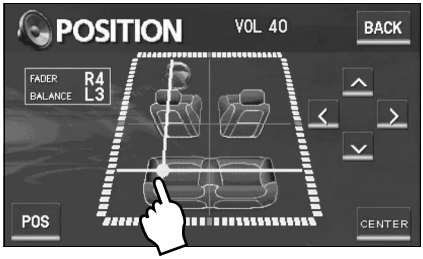
The left/right/front/rear balance can be adjusted so that sound from all speakers arrives at the listener's ears at the same time.

1 Touch **FAD/BAL** in the POSITION setting screen to display the volume balance adjustment screen.



2 Touch the screen at the preferred balance point.

- To make fine adjustments, touch ∧, ∨, <, or >.
- Touch **CENTER** to set the volume balance to the center position.
- Touch **BACK** after making settings. The set volume balance will be saved and the system will return to the previous operation screen.
- To set the position again, touch **POS** and repeat the steps above.



ATTENTION

- You cannot set the balance at the same time as adjusting POS (Positioning selector) (previous page).
- Touch and hold ∧, ∨, <, or > while making fine adjustments to adjust values continuously. Adjustment will lock when it reaches the center value, and <, >, ∧ or ∨ must be touched again to continue adjustment.

Adjusting sound quality

Setting LOUDNESS

Audio can be modulated to correct for insufficient bass and treble when listening at low volume.

1 Touch **SETTING** in the INFORMATION screen.

2 Touch **ON** , or **OFF** for LOUDNESS.

- The selected touch switch will turn green.

3 Touch **ENTER** .

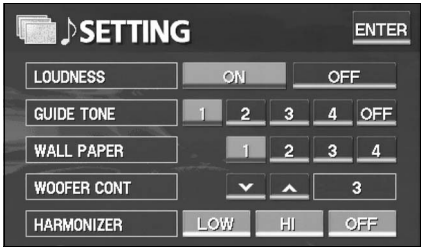
Setting sub woofer

When a sub woofer is connected, the preferred output level for the audio can be set.

1 Touch **SETTING** in the INFORMATION screen.

2 Touch **∧** or **∨** for WOOFER CONT.

3 Touch **ENTER** .



Setting the harmonizer

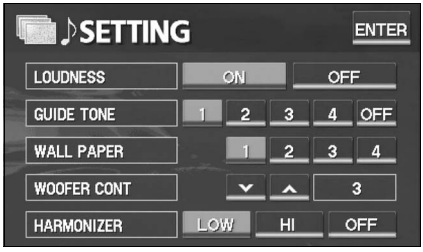
It is possible to set the sound quality boost level to automatically regenerate harmonics such as reverberation, depth, and tone lost in compression, producing a much clearer sound.

1 Touch **SETTING** in the INFORMATION screen.

2 Touch **LOW** or **HI** for HARMONIZER.

- **LOW** : Low level of correction
  HI : High level of correction
  OFF : No correction

3 Touch **ENTER** .



ATTENTION

You cannot set LOUDNESS at the same time as Circle Surround II.

5. Setting background screen

The background for the audio operation screen, information screen and navigation screen can be changed to a preferred wallpaper.

Setting the wallpaper

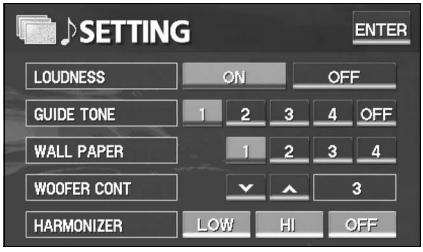
1 Press **INFO** and the INFORMATION screen will appear.

2 Touch **SETTING** .

3 Touch **1** , **2** , **3** , or **4** for WALLPAPER.

- The selected touch switch will turn green and the wallpaper (background) will switch.

4 Touch **ENTER** .



6. Adjusting/setting the screen

Switching the FUNCTION switch display

Touch switches not frequently used are not displayed in the audio operation screens and DVD screens. These switches can be displayed as follows.

1 Touch **FUNC** .

- The FUNCTION switches appear.
- The FUNCTION switches are different in each audio mode.

- The FUNCTION switches can be hidden by touching **FUNC** again or by touching an area of the screen outside of the FUNCTION switch box.
- If the FUNCTION switches are displayed, operations corresponding to other switches cannot be performed. Hide the FUNCTION switches, then try the operation again.

Adjusting/setting the screen

Quality adjustments can be made for images such as the audio operation screen, navigation screen and DVD or VTR (optional).

Displaying the image adjustment screen

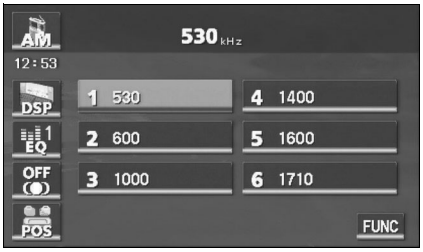
Contrast, brightness and other picture settings can be adjusted to match preferences for viewing DVD video or the audio operation screen.

To make viewing easier, the display switches between daytime display/nighttime display according to whether the vehicle lights (parking lights, taillights, license plate lights) are on/off.

(Default settings)

- Vehicle lights are on . . <Nighttime display>
- Vehicle lights are off . . <Daytime display>

[Audio operation screen]



●Daytime display [Vehicle lights are off]

●Nighttime display [Vehicle lights are on]

[DVD/VTR Screen]

●Daytime display [Vehicle lights are off]

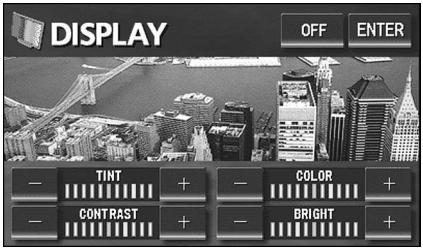
●Nighttime display [Vehicle lights are on]

1 Press **DISP** on the audio mode operation screen or DVD/VTR screen.

2 Touch **ENTER** after making any adjustments.

- If no operations are made after about 20 seconds, the display will return to the previous screen.

●When adjusting audio operation screen



●When adjusting DVD/VTR screen

Setting daytime display to display when vehicle lights are on

1 The screen will be switched between daytime display and nighttime display each time **DAY** is touched.

●When adjusting audio operation screen

●When adjusting DVD/VTR screen

Turning the screen off

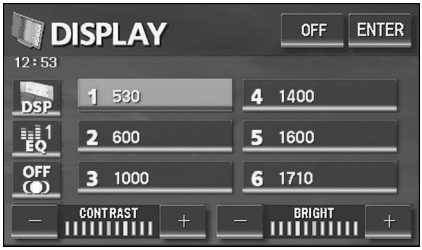
1 Touch **OFF** .

- Press **AUDIO CONT** or **NAVI** to turn the screen back on.

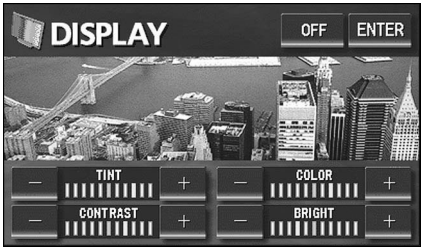
Adjusting/setting the screen

Adjusting image quality

The daytime display and nighttime display can be separately adjusted.



●When adjusting audio operation screen or navigation screen



●When adjusting DVD/VTR screen

■ CONTRAST

1 Touch + to increase contrast, or − to decrease contrast.

■ BRIGHT

1 Touch + to increase brightness, or − to decrease brightness.

■ COLOR (for DVD/VTR screen only)

1 Touch + to increase green, or − to increase red.

■ TINT (for DVD/VTR screen only)

1 Touch + for a darker tint, or − for a lighter tint.

Switching screen mode

1 Touch **WIDE** .

● DVD : Touch NEXT followed by **SET** in the operation screen.

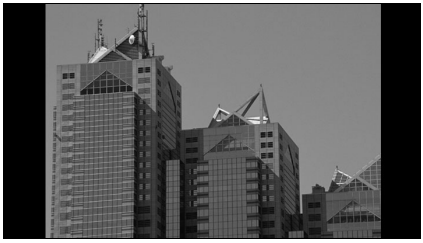
VTR : Touch **SET** in the operation screen.

2 Touch **NORMAL** , **WIDE1** , **WIDE2** or **WIDE3** .

● This selects the wide mode.

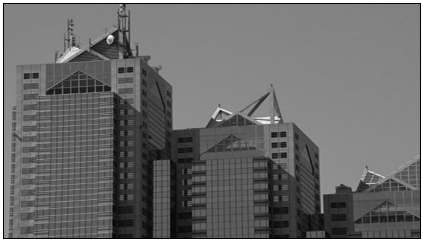
3 Touch **BACK** .

● Returns to the DVD or VTR operation screen.



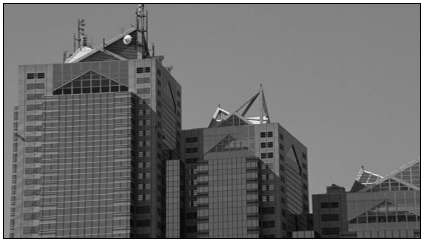
■ NORMAL mode

The screen is shown with a vertical to horizontal ratio of 3 to 4. The side edges are black.



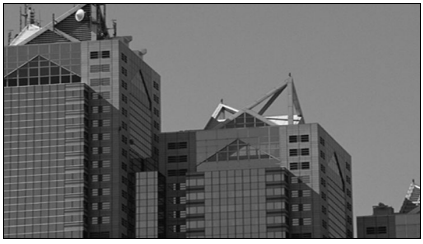
■ WIDE 1 mode

The screen is shown with a vertical to horizontal ratio of 3 to 4 and is expanded in the left and right directions. A wide screen effect can be displayed without any image loss.



■ WIDE 2 mode

Only the left and right edges of the screen are stretched out. However, the vertical to horizontal ratio of 3 to 4 is maintained at the center of the screen to provide a comfortable wide screen image.



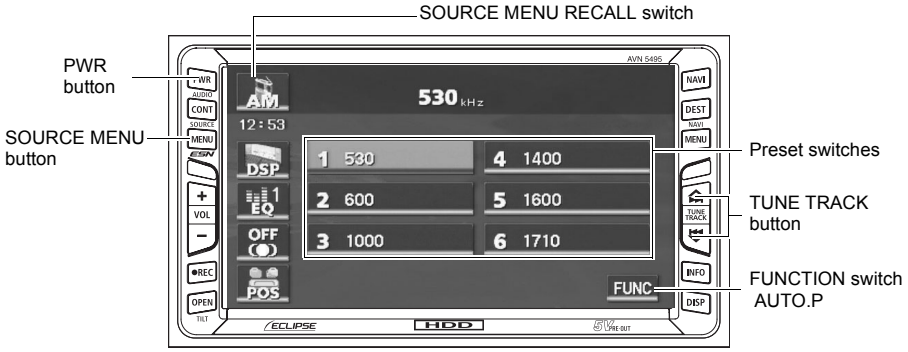
■ WIDE 3 mode

The screen is expanded in both the vertical and horizontal directions by the same ratio. The image is clipped slightly at the top and bottom edges.

Caution

Viewing of wide screen modes is permitted when limited to the personal entertainment of the user, but exercise caution as using technologies such as image compression and expansion for the purpose of commercial benefit or public presentation may infringe upon the rights of the copyright holder protected by applicable copyright law.

1. How to use the AM/FM radio



Listening to the AM/FM radio

1 Press **SOURCE MENU** or touch the SOURCE MENU RECALL switch.

2 Touch **AM** for AM radio, or **FM** for FM radio.

Selecting radio stations

Manual selection

1 Press or .

- Pressing the switch once moves the frequency one step up or down. (One step on the AM band is 10kHz. One step on the FM band is 0.2MHz)
- (up) : Raises the frequency
  (down) : Lowers the frequency

Automatic selection

1 Press and hold or until you hear a beep.

- The station that is closest to the current frequency will be searched for automatically, and searching will stop when the station is received. To stop the search before a station is found, press the button again.

Selection using preset switches

1 Touch a preset switch that already has a station recorded.

- See **"Saving radio stations"** on next page for more information.

If the reception for a particular station is weak in the area you are in, the automatic selection may not work.

How to use the AM/FM radio

Saving radio stations

There are two modes for saving radio stations, manual and AUTO. P. These modes operate independently.

Saving manually

Make sure "AUTO. P" is not displayed in the upper part of the screen.

● If displayed, display the FUNCTION switch and touch **AUTO.P** to switch to manual.

1 Use manual tuning or automatic tuning to select the station to be saved.

2 Choose a preset switch and touch it until you hear a beep.

● The radio station (frequency) is set. Touch the preset switch to tune in the selected station.

Saving with AUTO.P

1 Touch **FUNC** .

2 Touch **AUTO.P** until you hear a beep.

● The AUTO.P function will activate and start automatically selecting stations. You will hear a beep when the automatic selection of stations is completed. Touch **AUTO.P** again to switch the display back to the broadcast station originally saved.

Changing stations saved by AUTO.P

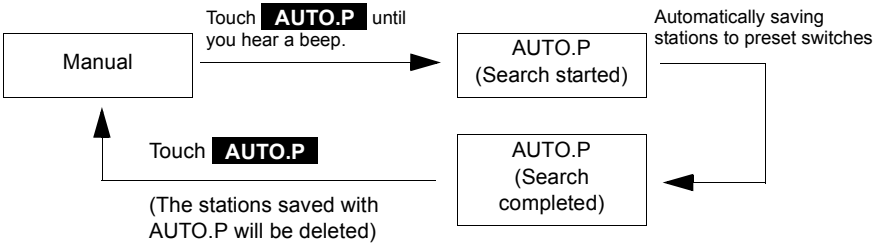
1 Use manual tuning or automatic tuning to select the station to be saved.

2 Touch the preferred preset switch until you hear a beep.

About AUTO.P

Because the AUTO. P function can be used to temporarily save stations for the preset switches, stations saved manually will remain in memory even if AUTO. P is used. Manually saving stations that are used regularly allows them to be restored even after AUTO. P has been used, such as after traveling.

Touching **AUTO.P** while AUTO.P is operating or after it has been used will return the preset memories to their previous settings. (The stations saved with AUTO. P will be deleted.) The diagram below shows how to switch from AUTO. P to manual.



ATTENTION

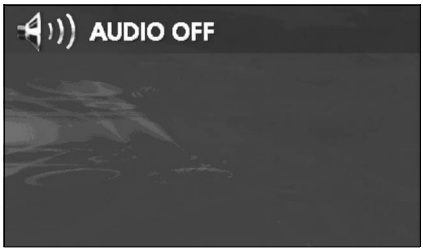
- AUTO. P may not automatically receive stations if radio waves in the surrounding area are weak.
- A frequency saved with the tuning switch may not match the frequency saved with AUTO. P even though the signal is received from the same station.
- Due to conditions for receiving radio waves, saved stations may differ even when the AUTO. P switch is operated repeatedly in the same location.
- Up to six stations with good signal reception are automatically saved in order of frequency (low to high).
- When less than six stations capable of reception are found, nothing is saved for the remaining preset switches.

How to use the AM/FM radio

Turning off the radio

1 Press **PWR** .

- Press **PWR** again to turn on the radio and resume reception of the radio station (frequency) received before power was turned off.



1. How to use the CD player

Listening to a CD

Playback starts when a CD is inserted into the disc slot.

- The default setting for MUSIC JUKE in digital recording mode is AUTO. When a CD is inserted into the disc slot, MUSIC JUKE automatically starts recording at the same time as playback begins. Press **● REC** for at least one second to stop recording.
- " ● REC" is displayed while recording is in progress. While waiting for recording to start " ● REC" changes to " ● ". See **"Recording with MUSIC JUKE"** (page 80).

1 Press **SOURCE MENU** or touch the SOURCE MENU RECALL switch when a CD has been inserted.

2 Touch **CD** .

- Playback will begin.

ATTENTION

- Titles and track names can be displayed when they are recorded on a CD. Up to 28 characters can be shown in the display.
- Only characters recorded by ASCII code can be shown on the CD-TEXT display.
- The CD-TEXT display may not be able to show characters for discs recorded with many title characters.
- There may be occasions when CD-R/RW CD-TEXT cannot be displayed.
- Even if the title track is not contained on the music CD itself, the title will still be displayed if the corresponding information is stored in MUSIC JUKE database. If there is multiple data corresponding to a single track, the title is not displayed.

How to use the CD player

Selecting a track

You can jump to the opening of a track you want to hear.

1 Press ⏭ or ⏮ .

- ⏭ (up) : Selects next track
  ⏮ (down) : Selects previous track

Fast-forwarding/rewinding

It is possible to fast-forward/rewind the track being played.

1 Press and hold ⏭ or ⏮ until you hear a beep.

- ⏭ (up) : Fast-forward
  ⏮ (down) : Rewind
  If you hear a beep while rewinding (fast-forwarding), the deck has switched to fast-forward (rewind) mode and will continue you remove until your finger from the button.

Searching for a track

1 Touch **FUNC** .

2 Touch **SCAN** .

- The deck will play the first 10 seconds of each track. Touch **SCAN** again to continue playing the current track.

Repeating a track

1 Touch **FUNC** .

2 Touch **RPT** .

- Repeats the current track.
- The track will repeat until the function is canceled. Touch **RPT** again to cancel.

Playing tracks in random order

1 Touch **FUNC** .

2 Touch **RAND** .

- Plays tracks in random order.
- Random playback will continue until the function is canceled. Touch **RAND** again to cancel.
- At the end of each track the system arbitrarily chooses which track to play next. As a result, it is possible for the same track to be played multiple times in a row.

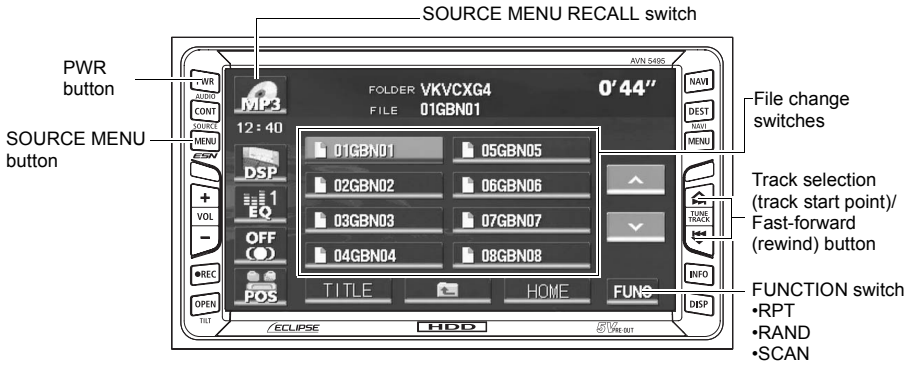
Turning off the CD player

1 Press **PWR** .

- Press again to resume playback.
- MUSIC JUKE will continue to record even if the CD is turned OFF while recording is in progress. Press ● **REC** for at least one second to stop recording.

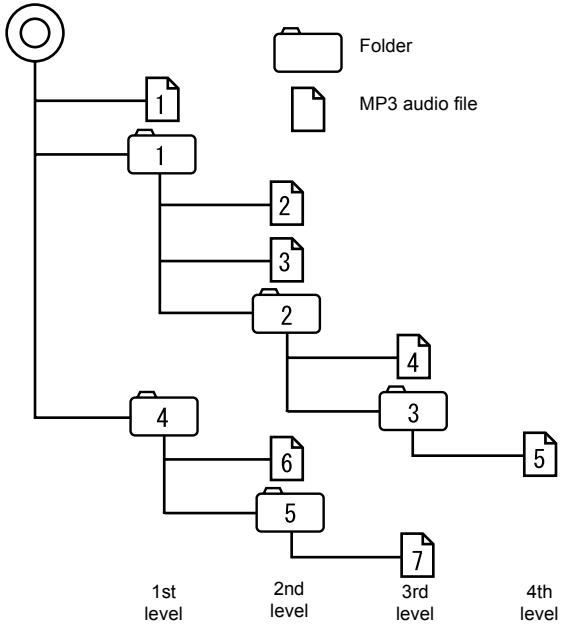
1. How to use the MP3 player

For safety considerations, some functions are disabled while the vehicle is in motion.



Example of MP3 file structure

Explanations are based on this example of MP3 file structure.



Playing MP3

Playback starts automatically when a CD is inserted into the disc slot.

1 Press **SOURCE MENU** or touch the SOURCE MENU RECALL switch when a disc has been inserted.

2 Touch **MP3** .

- Playback will begin.
- The CD player screen will be shown for about 2 seconds as the system checks whether the inserted CD is a music CD or an MP3.
- Normally, tracks are played back in the order 1 → 2 → 3 → 4 → 5 → 6 → 7.
- When multiple MP3 files and folders are on the same level, they are played in ascending order by folder and file names.

Selecting a music file

A music file located within a folder can be selected.

Selecting with file change switches

1 Touch the music file.

- The currently selected file name and folder name will be shown in the display.
- When 9 or more music files are located in the same folder, touch ▲ or ▼ to show data not currently displayed. (This function is not available when the vehicle is in motion)

Selecting with TUNE/TRACK button

When several music files are located in the same folder, the next music file or previous music file can be selected with the track selection (track start point).

1 Press ⏭ or ⏮ .

- ⏭ (up): Selects next music file
  ⏮ (down): Selects previous music file

ATTENTION

- If music data and MP3 data have been recorded on the same disc, playback is not possible.
- When an MP3 is being played, navigation operation will become slower. This is not a malfunction of the system.

How to use the MP3 player

Fast-forwarding/rewinding

It is possible to fast-forward/rewind within the current file.

1 Press and hold ⏭ or ⏮ until you hear a beep.

- ⏭ (up) : Fast-forward
  ⏮ (down): Rewind
  If you hear a beep while rewinding (fast-forwarding), the deck has switched to the fast-forward (rewind) mode and will continue until you remove your finger from the button.

Changing display of the current level

The folder level can be switched and displayed.

1 Touch ⮌ or **HOME** .

- ⮌ : Displays the next folder level up.
- **HOME** : Displays the level of the file currently being played.

Displaying the current level

Displays the file currently being played.

1 Touch **HOME** .

Searching for a music file

1 Touch **FUNC** .

2 Touch **SCAN** .

- The system will play the first 10 seconds of each file located within the same layer of the folder currently being played. Touch **SCAN** again to continue playing the current file.

Repeating the same music file

1 Touch **FUNC** .

2 Touch **RPT** .

- Repeats the current file.
- The file will repeat until the function is canceled. Touch **RPT** again to cancel.

Playing music files in random order

1 Touch **FUNC** .

2 Touch **RAND** .

- Files will be randomly selected from among all files at the same level as the folder currently being played.
- Plays files in random order.
- Random playback will continue until canceled. Touch **RAND** again to cancel.
- Touch **RPT** during random playback to repeat the file currently being playing. Touch **RPT** again to return to random playback.
- At the end of each file the system arbitrarily chooses which file to play next. As a result, it is possible for the same file to be played multiple times in a row.

ATTENTION

See page 52 for an example MP3 file structure.
If 4 of the third level is being played and the display shows the folder and files of the second level (2 3 , and 2), touch **HOME** to display the folder and file of the third level (4 and 3).

How to use the MP3 player

About display of file information

Folder names and file information (album name and track titles) recorded on the disc can be displayed. The number of characters that can be displayed is shown below.

Screen Display	
Folder/file names	Music file information
8 characters max.	28 characters max.

Displaying folder/file names

1 Press **CONT** to display the operation screen.

Displaying file information

1 Touch **TITLE** .

- The **TITLE** switch will change to **TITLE OFF** when the file information is being displayed. Touch **TITLE OFF** to change the display to a folder/file switch.

Turning off the MP3 player

1 Press **PWR** .

- Press **PWR** again to resume playback.

About MP3s

MP3 (MPEG-1 Audio Layer III) is a standard format for audio compression technology. By using MP3, a file can be compressed to one-tenth its original size.

This unit has limitations on MP3 file standards and the recorded media and formats that can be used. Be aware of the following points when recording MP3 files.

Playable MP3 file standards

- Supported standards : MPEG1 Audio Layer III
- Supported sampling frequencies: 44.1, 48 (kHz)
- Supported bit rates : 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps)
  * Supports VBR.
  * Does not support free format.
  * Bit rates vary for MPEG-1 and MPEG-2.
- Supported channel modes : stereo

ID3 tags

MP3 files have an "ID3 Tag" that allows input of information so that data such as track title and artist can be saved.

This unit supports ID3v. 1. 0 and ID3v. 1. 1 tags. Use only ASCII code to record tags, since only ASCII code is supported by this deck. Recording of characters not included in ASCII code will result in display of garbled characters.

Media

Media capable of playing MP3 include CD-ROM, CD-R and CD-RW discs.

Compared to CD-ROM media commonly used for music discs, CD-R discs are fragile in high temperature/high humidity environments and sections of the CD-R may become incapable of playback. Fingerprints or scratches on the disc may prevent playback or cause skipping.

Sections of a CD-R may deteriorate if left inside a vehicle for long periods of time.

It is also recommended that CD-R discs be kept in a light-blocking case because the discs are vulnerable to ultra-violet light.

Use 128kbps or lower for the MP3 bit rate. If the bit rate exceeds 128kbps, there may be sound jumping during MP3 playback.

How to use the MP3 player

Format of discs

The format of discs to be used must be ISO9660 Level 1 or Level 2. Also, be sure to record in "MODE 1". Discs recorded in "MODE 2" are not supported.

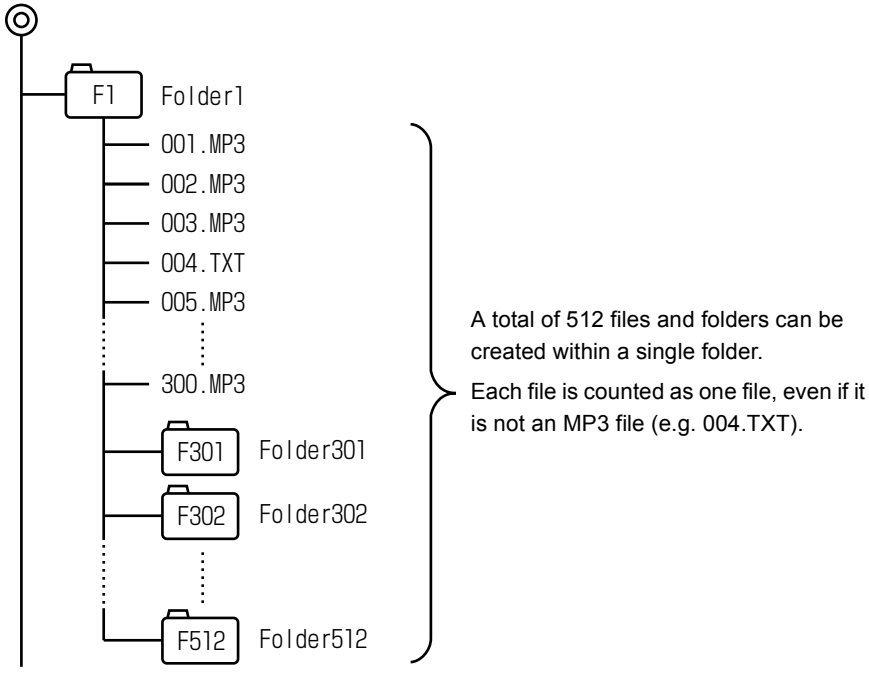
MP3 files recorded in formats other than those outlined above may result in files that cannot be played normally and file names and folder names that do not display properly.

The following additional limitations apply:

- Maximum directory layers : 8 levels
- Maximum characters for folder names/file names: 31 (including "." and the 3 letters of the file extension)
- Allowable characters for folder names/file names: A-Z, 0-9, _ (underscore), all ASCII characters
- Number of files/folders possible in a single folder : 512*

* Each file is counted as one file, even if it is not an MP3 file (i. e. files with extensions other than ".MP3").

[Configuration example for CD supporting MP3]



- Total number of files/folders that can be recorded on a single disc: 1023

File names

Only files with the MP3 file extension ".mp3" will be recognized as MP3 and played in the unit. Be sure to save MP3 files with the ".mp3" file extension.

Use capital letters for "MP".

Multi-sessions

Multi sessions are supported and CD-R/RW with recorded MP3 files can be played. When recording using "Track at once", however, finalize the disc with session close or write protect.

Playing MP3

When a disc containing an MP3 file is inserted, all files on the disc will be checked before playback can begin. The check will be completed within approximately 10 seconds of the disc being inserted, and the first MP3 file will begin playing. If the check is not completed within this period, the music or audio previously being played will resume. MP3 playback can be started by touching **MP3** .

Sound is not emitted from the system while it is checking the files on the disc.

In order to speed up completion of the file check, it is recommended that you avoid recording files that are not MP3 files and avoid creating unnecessary folders.

In addition, it is recommended that you record all data in a single session because a multi session disc takes time for CD control information acquisition.

While an MP3 is being played, navigation operation will become slower. This is not a malfunction of the system.

MP3 playing time display

It is possible that playing time will not be correct, depending on the writing condition of the MP3 file.

* It is possible that playing time will not be correct when VBR Fast Up/Down is operated.

Display order of MP3 file/folder names

Names of MP3 folders and files within the same level are displayed in the following order.

1. MP3 files displayed first, by ascending order of numbers, letters.
2. Folders displayed next, by ascending order of numbers, letters.

If the ".mp3" file extension is attached to a file other than an MP3 file, that file will be mistakenly recognized by the unit as an MP3 file and played, resulting in noise and static that can damage the speakers. Do not attach the ".mp3" extension to any non-MP3 files.

How to use the MP3 player

Making and playing MP3 files

MP3 files created by recording broadcasts, records, audio recordings, video recordings or live performances cannot be used for purposes other than personal entertainment without permission of the copyright holder as set forth in copyright law.

Downloading from Internet MP3 music sites

There are many kinds of sites that distribute MP3 files on the Internet, such as "pay per download" online shopping sites, "try before you buy" listening sites and free download sites. Follow the rules for each site (such as paying fees) and download according to site instructions.

Converting CD music to MP3 files

Prepare a computer with commercially available MP3 encoding software (conversion software). (Some encoding programs available on the Internet do not require payment.) Music data files in MP3 format can be made by inserting the music CD into the CD-ROM drive of the computer and following the procedures of the MP3 encoding software to compress the songs of the music CD. A 12cm music CD (having a maximum of 74 minutes of recording/650MB of data) can be compressed to 65MB (about 1/10 of the original size).

When writing to CD-R/RW

MP3 files can be recorded on CD-R/RW by using a CD-R/RW drive connected to a computer. Record by setting the recording format of the recording software to ISO9660 level 1 or level 2 (not including extension format).

Select CD-ROM (mode 1) for the disc format. Discs recorded with CD-ROM xA (mode 2) cannot be played on this deck.

When playing back CD-R/RW

Insert a CD-R/RW containing recorded MP3 files. The system will automatically determine whether the disc is a music CD or a CD-R/RW with MP3 files and begin playing the disc. A music CD recorded onto a CD-R/RW can also be played. However, depending on the type of disc being used, playback may not be possible.

ATTENTION

- A fixed bit rate of 128kbps and sampling frequency of 44.1kHz is recommended for obtaining stable audio quality at playback.
- Depending on the characteristics of a disc, the system may not be able to read CD-R and CD-RW discs.
- Because there are many types of MP3 encoding software available, including commercial and freeware programs, audio quality may deteriorate, noise may be generated when playing starts and some recordings may not play, depending on the condition of the encoder and the file format.
- When files other than MP3 files are recorded on a disc, the system may take some time to recognize the disc or it may not play.

1. How to use the Memory Stick player

The unit can play music data recorded on the Memory Stick using ATRAC3 (audio compression technology).

Listening to Memory Stick data

Insert a Memory Stick into the slot and touch **CLOSE** .

1 Press **SOURCE MENU** or touch the SOURCE MENU RECALL switch when a Memory Stick has been inserted.

2 Touch **MEMORY STICK** .

● Playback will begin.

ATTENTION

- This unit can only play music data recorded on MG Memory Sticks (white).
- This unit cannot play music data recorded using ATRAC3 Plus.
- The unit cannot be operated for about 4 seconds after an MG Memory Stick has been inserted as while system is checking the data.
- If recorded in the Memory Stick, the artist name, song title (track name), and other details can be displayed on the screen. Up to 28 characters can be shown in the display.
- If the number of plays and/or playback period is restricted, the relevant number/ period is displayed in the screen.
- A message is displayed if the number of remaining plays reaches 0 or if the playback period has expired. (See page 142)

How to use the Memory Stick player

Selecting a track

You can jump to the opening of a track you want to hear.

1 Press or .

- (up) : Selects next track
  (down) : Selects previous track

Fast-forwarding/rewinding

It is possible to fast-forward/rewind within the current track.

1 Press and hold or until you hear a beep.

- (up) : Fast-forward
  (down) : Rewind
  If you hear a beep while rewinding (fast-forwarding), the deck switched to fast-forward (rewind) mode and will continue until you remove your finger from the button.

Searching for a track

1 Touch **FUNC** .

2 Touch **SCAN** .

- The deck will play the first 10 seconds of each track. Touch **SCAN** again to continue playing the current track.

Repeating a track

1 Touch **FUNC** .

2 Touch **RPT** .

- Repeats the current track.
- The track will repeat until the function is canceled. Touch **RPT** again to cancel.

Playing tracks in random order

1 Touch **FUNC** .

2 Touch **RAND** .

- Plays tracks in random order.
- Random playback will continue until the function is canceled. Touch **RAND** again to cancel.
- At the end of each track the system arbitrarily chooses which track to play next. As a result, it is possible for the same track to be played multiple times in a row.

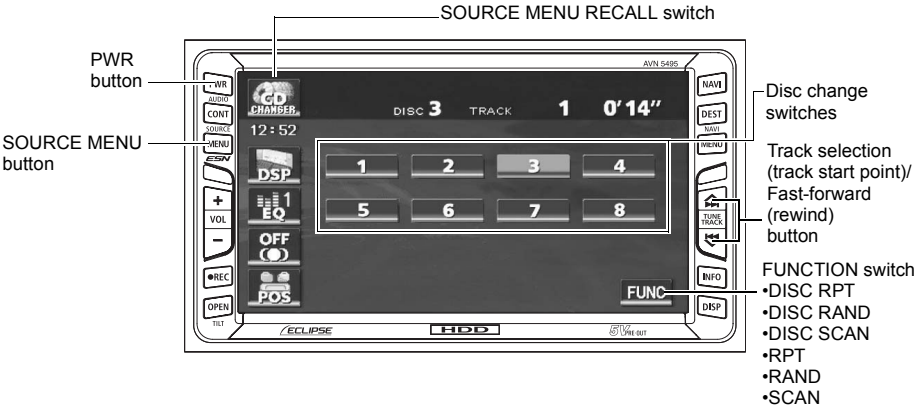
Turning the Memory Stick off

1 Press **PWR** .

- Press **PWR** again to resume playback.

1. How to use the CD changer

An optional CD changer can be connected and used.



Listening to a CD

1 Press **SOURCE MENU** or touch the SOURCE MENU RECALL switch.

2 When only one CD changer is connected, touch **CD CHANGER1** . When two CD changers are connected, touch **CD CHANGER1** or **CD CHANGER2** .

Selecting a track

See **"How to use the CD player"** (Page 50).

Fast-forwarding/rewinding

See **"How to use the CD player"** (Page 50).

Selecting a CD

A CD can be selected from among all the discs in the changer.

1 Touch one of the disc change switches.

● The number for the selected CD will change color.

Searching for a track or CD from all CDs in the changer

Searching for a track

See **"How to use the CD player"** (Page 50).

Searching for a CD

1 Touch **FUNC** .

2 Touch **DISC SCAN** .

- The system will play the first 10 seconds of the first track of each CD in the changer. Touch **DISC SCAN** again to continue playing the current track.

Repeating a track or CD

Repeating the current track

See **"How to use the CD player"** (Page 50).

Repeating the current CD

1 Touch **FUNC** .

2 Touch **DISC RPT** .

- Touch once to continue repeating the CD. Repeat will continue until canceled. Touch **DISC RPT** again to cancel.

ATTENTION

- A disc change switch is displayed for each disc tray in the changer but only the disc change switches that correspond to a currently loaded tray can be selected.
- No operation is possible when there are no discs loaded into the CD changer.
- If there are 2 CD changers connected, use **CD CHANGER1** and **CD CHANGER2** to switch between the optional CD changer deck and the main CD changer.

How to use the CD changer

Playing tracks in random order

Playing tracks on current CD in random order

See **"How to use the CD player"** (Page 51).

Playing tracks on all CDs in random order

1 Touch **FUNC** .

2 Touch **DISC RAND** .

- Setting once will start random playback which will not stop until the function is canceled. Touch **DISC RAND** again to cancel.
- At the end of each track the system arbitrarily chooses which track to play next. As a result, it is possible for the same track to be played multiple times in a row.

Turning off the CD changer

1 Press **PWR** .

- Press **PWR** again to resume playback.

1. Before using MUSIC JUKE

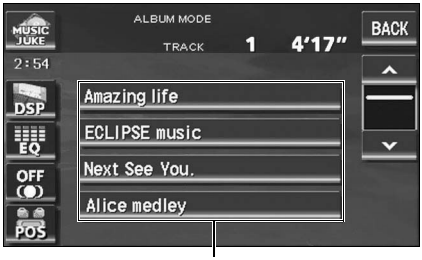
Description of MUSIC JUKE

MUSIC JUKE can record music or audio from a CD, radio etc. Using ATRAC3 audio compression technology. There are two types of recording available, digital and analog. When you digitally record an album from the CD player, "Gracenote CDDB® Music Recognition Service" will search for the album name, artist name and genre and automatically create a list (playlist) displaying the relevant data. Recording from any other source is done in analog and a playlist is created for the recorded source/date recorded.

*...When the relevant name cannot be found, a playlist will be created in the same way as analog recording.

About the structure of MUSIC JUKE

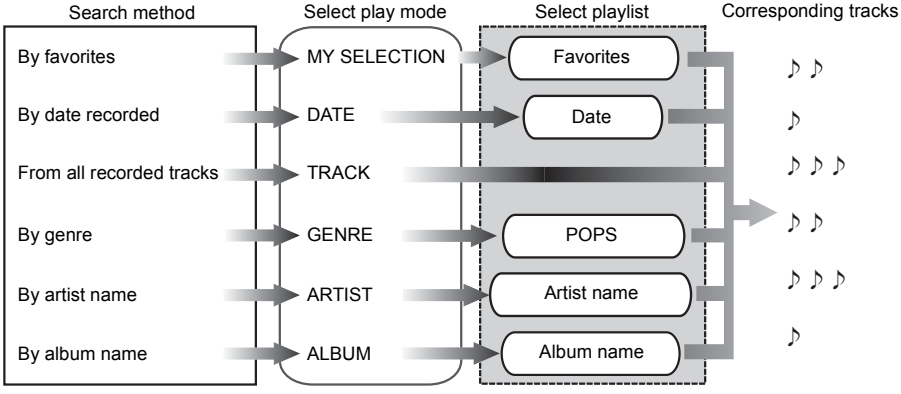
In MUSIC JUKE, music/audio is recorded into 6 different play modes and then stored into playlists created in each play mode for managing your data. Being able to narrow down from play modes and playlists before searching for the music you want to listen to makes the listening experience even more comfortable and rewarding.



PLAY MODE
Recorded music (tracks) are divided into 6 play modes (ALBUM, ARTIST, GENRE, etc.)

PLAYLIST
Recorded music (tracks) stored in each of the play modes is sorted into playlists.

TRACK
Title of recorded music/audio data



Before using MUSIC JUKE

About Play Modes/Playlists

The system sorts recorded music into groups depending on type and recording conditions and saves it to MUSIC JUKE.

Recorded music can be sorted into automatically created playlists within the 6 play modes, based on album name, artist name, or genre. It is also possible to create a personal group containing a collection of preferred songs.

PLAY MODE	PLAYLIST
ALBUM	● When recording has finished, a playlist containing the recorded tracks is created. If the album name has been retrieved using Auto-titling, it will be set as the playlist name. If the album name has not been retrieved using Auto-titling, the source/ALBUM/number will be set as the playlist name. ● It is possible to select a song by album name.
MY SELECTION	● This is an original playlist containing a collection of your preferred songs. A new list can be created by editing the information of the recorded tracks. ● It is possible to select a song by an original playlist name.
TRACK	● There are no playlists. ● It is possible to select a track by song name.
ARTIST	● When the artist name for the recorded song has been retrieved using Auto-titling, a playlist is created for that artist. ● It is possible to create a playlist by entering the artist name in the information for the recorded track. ● It is possible to select a song by artist name. When more than one album by the same artist has been recorded, a list of albums is displayed from which to make a selection.
GENRE	● When the genre for the recorded song has been retrieved using Auto-titling, a playlist will be created for this genre. ● It is possible to select a song by genre. When more than one album in the same genre has been recorded, a list of albums is displayed from which to make a selection.
DATE	● A playlist is created for a recording date.

ATTENTION

Up to 999* playlists can be created in MUSIC JUKE with a maximum of 99 tracks recorded in each playlist. The total number of recordable tracks is 3000*.

* The number of playlists that can be created and tracks that can be recorded differs according to recording time and recording mode.

About databases

When recording a CD album (album/single disc) digitally from the built-in CD player to MUSIC JUKE, the system searches the hard disc database and automatically retrieves any available information such as album name, artist name, genre, and title for the recorded album.

The information recorded in the unit uses data from the Gracenote CDDB database.

About Gracenote CDDB

Gracenote is CDDB, Inc. d/b/a "Gracenote."
CD and music-related data from Gracenote CDDB®
Music Recognition Service © 2000, 2001, 2002 Gracenote. Gracenote CDDB Client Software © 2000, 2001, 2002 Gracenote.
U.S. Patent No. 5,987,525, 6,061,680, 6,154,773 and others granted or under application.

CDDB is a registered trademark of Gracenote. The logos and logotypes of Gracenote, Gracenote CDDB, and "Powered by Gracenote CDDB" are trademarks of Gracenote. Music Recognition Service and MRS are service marks of Gracenote.
Music recognition technology and related data provided by Gracenote and the Gracenote CDDB
Music Service. Gracenote is the industry standard for music recognition technology and relevant content delivery.

For more details, see www.gracenote.com.

ATTENTION

- The information recorded in the unit uses data from the Gracenote CDDB 207 database (updated November, 2004).
- The content of data provided courtesy of "Gracenote CDDB® Music Recognition Service" cannot be 100% guaranteed.

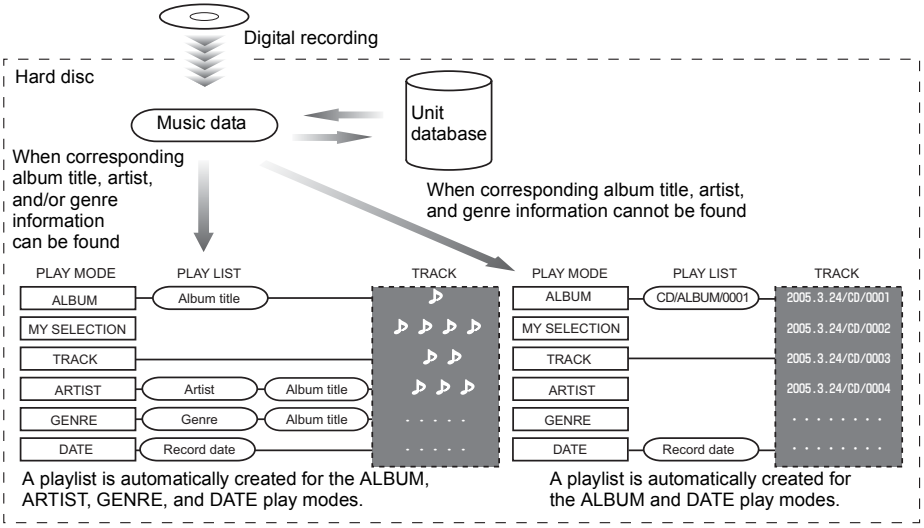
Before using MUSIC JUKE

About Auto-titling

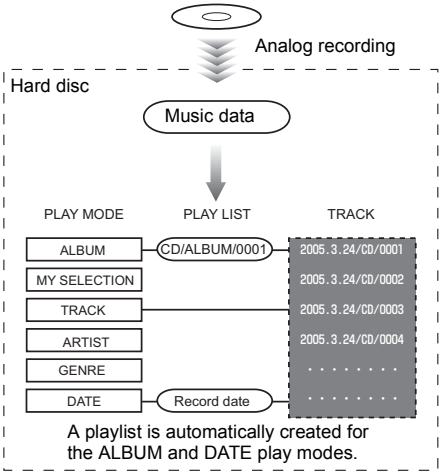
The system automatically sorts and groups recorded music into playlists based on recording conditions and title information retrieved from the database.

* The data retrieved using Auto-titling may differ from the actual title information.

Digital recording



Analog recording



ATTENTION

In analog recording, or when title information can not be found for digital recording, the following information is assigned and a playlist is created in the play modes shown below.

ALBUM play mode...Source/ALBUM/4-digit number*

TRACK play mode...Date/Source/4-digit number*

* When the date has changed, a number is assigned in ascending order from 1.

Before using MUSIC JUKE

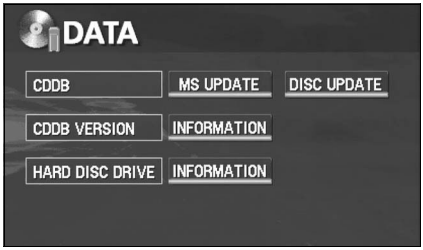
About displaying database information

It is possible to see the version information stored in the hard disc's title database.

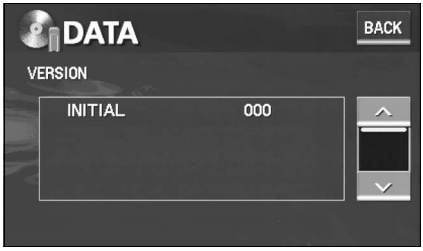
1 Press **INFO** .

2 Touch **DATA** .

3 Touch **INFORMATION** for CDDB VERSION.



● Information regarding the Gracenote CDDB database will appear.



About updating the database

The database in the unit (Gracenote CDDB database) can be updated using provided data. We will provide information regarding updates at a later date.

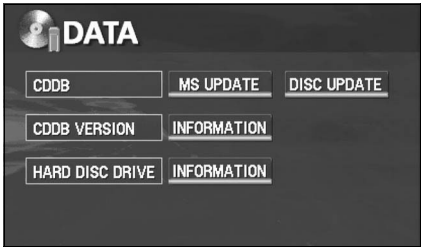
1 Press **INFO** .

2 Touch **DATA** .

3 Insert a Memory Stick or CD-R/RW containing update information.

4 Touch **MS UPDATE** or **DISC UPDATE** .

- The database update begins.



ATTENTION

Once title information for a file has been retrieved it will not be automatically changed even if the updated Gracenote CDDB database contains relevant data. This information can be updated when editing. For details, see "Retrieving title information from the database" on page 95.

Before using MUSIC JUKE

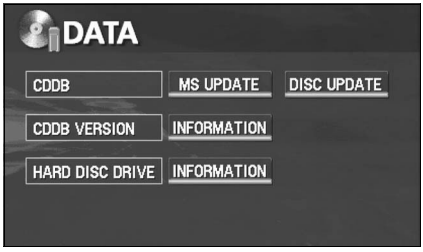
Checking hard disc capacity

It is possible to display the number of recorded tracks and playlists on the hard disc. You can also check the number of tracks that can still be recorded and number of playlists that can still be created.

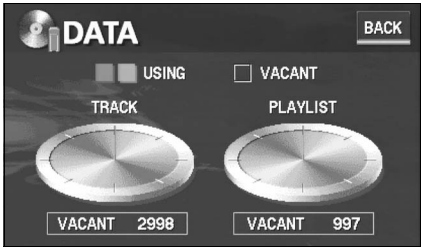
1 Press **INFO** .

2 Touch **DATA** .

3 Touch **INFORMATION** for HARD DISC DRIVE.

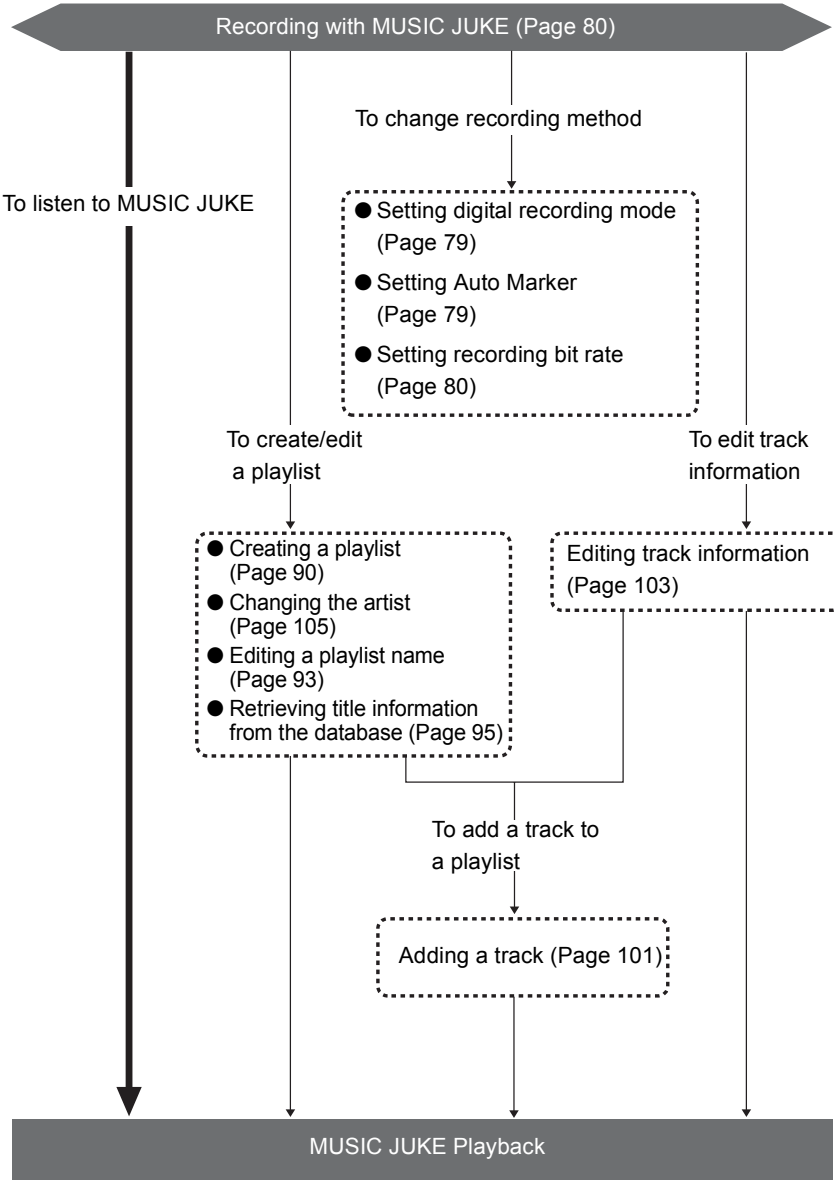


● Hard disc capacity is displayed.



How to operate MUSIC JUKE

This flow chart explains operations such as recording with MUSIC JUKE, playlist and track editing, and listening to MUSIC JUKE.



2. Recording with MUSIC JUKE

About recording with MUSIC JUKE

- MUSIC JUKE can record music from the built-in CD player or optional CD changer as well as music and audio output from the radio or VTR (audio).
- MUSIC JUKE cannot record from MP3 files, the Memory Stick, or DVDs.

About sources and recording styles that allow recording

The recording method used by MUSIC JUKE changes depending the source type.

Recording style	Recordable sources
Digital recording	CD player
Analog recording	FM, AM, VTR (audio), CD changer, CD player (only CDs with digital recording restriction)

Notes regarding recording

- We cannot be held responsible for content that can not be recorded or music/audio data lost as a result of malfunction, improper use, or defects.
- Recorded files may not be used for purposes other than personal entertainment without permission of the copyright holder as set forth in copyright law.
- When recording content that will only be played once, try recording something in advance to check that the system is functioning properly.
- If recording is in progress when the ignition is set to ACC ON and the engine is started, recorded data may be lost.
- When recording from a gap less CD (no gaps between songs) pauses will be recorded between songs and this may create unnatural gaps. Please be aware that this a result of the type of disc being used.
- The music/audio will become inaudible for approximately 2 seconds at the start and finish of recording.
    - The music/audio will become inaudible for approximately 2 seconds at the start and finish of analog recording.
    - If switching to another mode (for example radio) while digital recording from a music CD is in progress, recording is stopped and there is a 2 second pause before the radio broadcast becomes audible.
- MUSIC JUKE will play tracks in order starting from the most recently recorded. When recording a music CD, the order in which the songs are played may be the opposite to that in which they are recorded on the CD depending on the selected play mode. See **"To select a track (song)"** on page 83 for information regarding playback order. It is also possible to change the playback order. See **"Switching playlist order"** on page 97 for information on changing the playback order.
- When CD recording starts, the recorded sound is output. When CD recording finishes, as long as you do not turn off the engine (ACC OFF) or switch sources, the recorded sound will continue to be output.

- If the battery terminal has been disconnected then reconnected, the map screen will appear and recording is not possible for approximately 2 minutes.
- If recording cannot be completed due to jumping or some other problem, ⊠ is displayed on the screen.

About digital recording

- This system is SCMS (Serial Copy Management System)-compliant. As a result, the following CDs cannot, in principle, be digitally recorded.
  - CD-R or CD-RW digitally recorded from a music CD*
  - Protected CDs*

  * Can be recorded in analog by pressing REC.
- The track (song) currently being recorded is deleted in the following cases.
  - The engine is turned off (ACC OFF)
  - The CD is ejected
- Recording automatically resumes in the following cases.
  - The engine is switched on*1
  - The CD is inserted*2

  *1 Record: Recording is resumed from the unrecorded track (song) with the lowest track number
  Play: Playback starts from the beginning of the interrupted track (song)
  Recording only resumes when the engine is turned back on if recording had been in progress when it was turned off
  *2 Record: Recording is resumed from the unrecorded track (song) with the lowest track number
  Play: Playback starts from the beginning of the inserted CD
- Recording continues in the following cases.
  - Source is switched during recording
  - Audio is turned off during recording
- An already recorded song cannot be recorded again.
- When recording has been stopped manually, only those songs that have been completely recorded can be played back. To play songs not completely recorded, switch the source then switch back to CD mode.

About analog recording

- Analog cannot be used for continuous recording exceeding 5 hours. To continue, press ● **REC** again to record.
- If the engine is turned off (ACC OFF) during analog recording, recording is stopped. Analog recording will also stop if the source is switched while still in progress.

Recording with MUSIC JUKE

Setting recording method

It is possible to switch the recording method used in MUSIC JUKE.

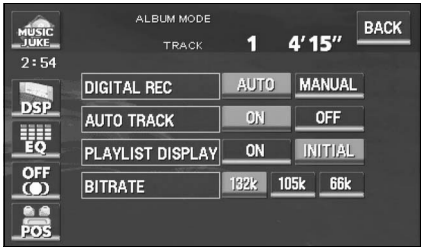
1 Touch **FUNC** .

2 Touch **SET** .

- MUSIC JUKE operation screen appears.

●MUSIC JUKE operation screen

- The following settings can be switched in MUSIC JUKE setting screen.



●MUSIC JUKE setting screen

Item	Function	Page
DIGITAL REC	Sets digital recording to AUTO/MANUAL	Next page
AUTO TRACK	Sets track markers for recorded tracks (songs)	Next page
PLAYLIST DISPLAY	Reorders display/playback order for playlists/tracks	Page 97
BITRATE	Sets sound quality for recording	Page 80

Setting digital recording mode

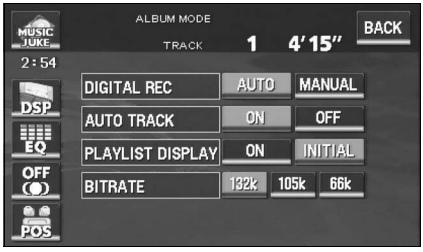
When **AUTO** is set, digital recording begins as soon as a CD is inserted. When **MANUAL** is set, recording starts from the beginning of the track currently playing once the panel button (**● REC**) has been pressed. It is possible to switch between these two settings.

1 Touch **FUNC** .

2 Touch **SET** .

3 Touch **AUTO** or **MANUAL** .

- **AUTO** . . . . . Recording automatically starts when a CD is inserted.
- **MANUAL** . . Press **● REC** to start recording.



Setting Auto Marker

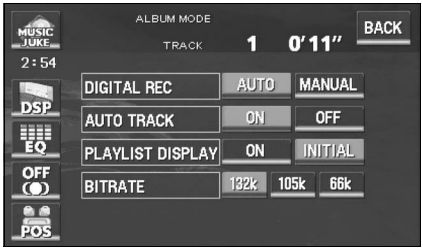
Set track markers between tracks (songs) when recording a CD in analog.

1 Touch **FUNC** .

2 Touch **SET** .

3 Touch **ON** or **OFF** .

- **ON** . . . . . Tracks are set on a CD based on the gaps between songs. For sources other than CDs, tracks are set once all recording is complete.
- **OFF** . . . . . Set the entire section between the start of recording to completion as one track.



ATTENTION

It is possible that some tracks cannot be delimited using track markers even if Auto Marker is set to ON.

Recording with MUSIC JUKE

Setting the recording bit rate

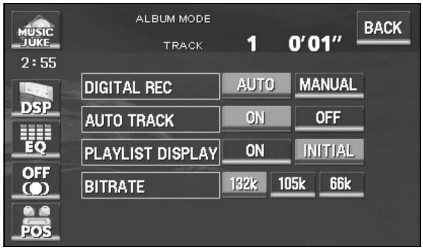
The sound quality for recording can be selected. A higher bit rate means a higher sound quality but also a larger file size.

1 Touch **FUNC** .

2 Touch **SET** .

3 Touch **132k** , **105k** or **66k** .

- Digital recording is fixed at a bit rate of 132k.



Recording with MUSIC JUKE

MUSIC JUKE allows digital recording from the CD player and analog recording from all other sources.

Digital recording can be either AUTO or MANUAL. When AUTO is set, recording automatically starts when playback begins. When MANUAL is set, recording starts when ● **REC** is pressed.

" ● REC" is displayed while recording is in progress.

The following switches cannot be used while recording is in progress.

Recording method	Source (Audio)	Touch switch	Panel buttons
Digital recording	CD	**RPT** **RAND** **SCAN**	Press and hold only Press and hold only
	Other sources*	Unrestricted	Unrestricted
Analog recording	AM, FM, CD, CD changer, VTR	**RPT** **RAND** **SCAN** **DISC RPT** **DISC RAND** **DISC SCAN** Preset switches **AUTO.P** ∧ ∨	

* When the source has been switched to radio or CD changer during digital recording.

Automatically recording a CD during playback

As soon as a CD is inserted, recording automatically starts when playback begins.

1 Insert a CD.

- Recording and playback are automatically started.
- Press **● REC** for at least one second to stop recording.

MUSIC JUKE

ATTENTION

- When a CD is re-inserted after having been ejected during recording, the system plays the tracks that have been completely recorded while waiting for recording to start. " ● " is displayed while waiting for recording to start.
- Recording from copy-restricted CD-R/RWs and sources other than the CD player to MUSIC JUKE can only be done manually and in analog.
- If a CD is already inserted, recording will not automatically start even if the source is switched to CD. Press **● REC** to start recording. (See next page for **"Recording preferred tracks (songs) from a CD"**)
- Set Record Mode in **"Setting digital recording mode"** to **MANUAL** start recording from a preferred song (see page 79).

Recording with MUSIC JUKE

Recording preferred tracks (songs) from a CD

Records preferred tracks (songs).

1 Play the CD.

2 Press ●**REC** for at least one second.

- Returns to the start of the track and starts recording to MUSIC JUKE.
- Press ●**REC** for at least one second to stop recording.

Recording from sources other than a CD

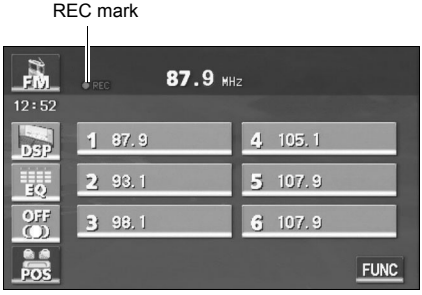
Start recording whenever you like while playing the radio, VTR, or CD changer.

1 Switch to the source for recording.

- See **"Switching modes"** (Page 24).

2 Press ●**REC** for at least one second.

- Start recording to MUSIC JUKE.
- Press ●**REC** for at least one second to stop recording.



ATTENTION

- Already recorded tracks (songs) cannot be selected.
- To start recording at the same time as playback begins on a CD, set Record mode in **"Setting digital recording mode"** (see page 79) to **AUTO** .

3. How to use MUSIC JUKE

To listen to MUSIC JUKE

1 Press **SOURCE MENU** or touch the SOURCE MENU RECALL switch.

2 Touch **MUSIC JUKE** .

- Playback will begin.
- If the power was turned off during playback, MUSIC JUKE will resume playback from the beginning of the last track that was played.

To select a track (song)

Several tracks (songs) can be selected from all those recorded in MUSIC JUKE by group such as name, genre etc. The display and playback order of playlists and tracks may differ depending on the play mode chosen.

- The table below shows play modes with corresponding display and playback orders.

PLAY MODE	Playlist display/playback order
ALBUM	Automatically created playlists displayed/played back in reverse chronological order (newest on top)
MY SELECTION	Original playlists displayed/played back in reverse chronological order (newest on top)
TRACK	Displays all recorded music.
ARTIST	Automatically created playlists displayed/played back in alphabetical order
GENRE	Displayed/played back in preset order
DATE	Automatically created playlists displayed/played back in reverse chronological order (newest on top)

ATTENTION

playlist names, track names, and other details recorded in MUSIC JUKE can be displayed. Up to 28 characters can be shown in the display.

How to use MUSIC JUKE

● The table below shows display and playback orders for tracks.

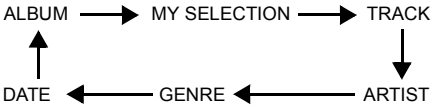
PLAY MODE	Track display/playback order
ALBUM	Tracks displayed/played back in the same order as they are recorded on the music CD.
MY SELECTION	Tracks displayed/played back in the order they were added to the playlist
TRACK	Tracks displayed/played back in chronological order (oldest recorded track on top)
ARTIST	Tracks displayed/played back in the same order as they are recorded on the music CD.*
GENRE	Tracks displayed/played back in the same order as they are recorded on the music CD.*
DATE	Tracks displayed/played back in chronological order (oldest recorded track on top)

*: When all the tracks for the same ARTIST/GENRE have been played, MUSIC JUKE switches to the next ARTIST/GENRE.

Selecting with track selection (track start point) button

1 Touch **PLAY MODE** and select play mode.

- When play mode is switched, the first playlist recorded in the selected mode is played.
- If MUSIC JUKE was last used for playback, the playlist listened to most recently will be played.
- Each time **PLAY MODE** is touched, the play mode will be changed in the order shown below.



ATTENTION

Play modes cannot be selected if there are no playlists created for that mode.

2 Touch **PLAYLIST ∧** or **PLAYLIST ∨** to select a playlist.

- Displays/plays back track information for the first track recorded in the playlist.

3 Press ⏭ or ⏮ to select a track.

- Switches/plays back tracks recorded in the playlist in order.

Selecting with Play mode/Playlist change switch

1 Touch **PLAYLIST** .

- The playlist screen appears.

2 Touch a play mode.

- Displays the playlists recorded in that play mode.
- When the ARTIST or GENRE play mode has been selected, a list of album names for each artist/genre can be displayed.
- Touch **TRACK** to display a list of all tracks recorded in MUSIC JUKE.

●PLAYLIST screen

Continue to the next page

How to use MUSIC JUKE

3 Touch a playlist.

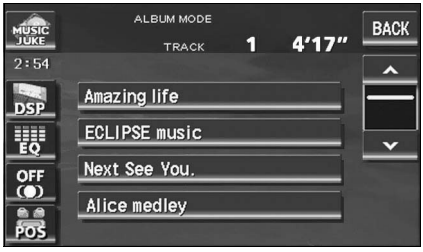
- When an artist or genre playlist has been selected, touch **ALBUM** to display a list of album names assigned to that artist/genre.

4 Touch **TRACK** .

- Displays a list of the tracks in the selected playlist.
- Touch ▶ to start playback from the first track recorded in the playlist.

5 Touch a track (song) name.

- Plays the selected track.



●Track list screen

ATTENTION

- When there are 4 or more playlists in the same play mode, touch ∧ or ∨ to switch to playlists that are not displayed.
- When there are 4 or more tracks (songs) in the same playlist, touch ∧ or ∨ to switch to track names that are not displayed.

Fast-forwarding/rewinding

It is possible to fast-forward/rewind in the track (song) being played.

1 Press and hold or until you hear a beep.

- (up) : Fast-forward
   (down) : Rewind

  The deck switches to fast-forward (rewind) mode when you hear a beep and continues fast-forwarding (rewinding) until you remove your finger from the button.

Searching for a track (song)

Searching for a track (song) from a playlist

1 Touch **FUNC** .

2 Touch **SCAN** .

- The system will play the first 10 seconds of each track located within the current playlist. Touch **SCAN** again to continue playing the current track.

Searching for a playlist from a play mode

1 Touch **FUNC** .

2 Touch **PLAYLIST SCAN** .

- The system will play the first 10 seconds of the first track of each playlist located within the current play mode. Touch **PLAYLIST SCAN** again to continue playing the current playlist.

How to use MUSIC JUKE

Repeating a track (song)

Repeating the current track

1 Touch **FUNC** .

2 Touch **RPT** .

- Repeats the current track.
- The track will repeat until the function is canceled. Touch **RPT** again to cancel.

Repeating the current playlist

1 Touch **FUNC** .

2 Touch **PLAYLIST RPT** .

- Touch **PLAYLIST RPT** once to continue repeating the playlist. Repeat will continue until canceled. Touch **PLAYLIST RPT** again to cancel.

Playing tracks (songs) in random order

Play tracks in current playlist in random order

1 Touch **FUNC** .

2 Touch **RAND** .

- Plays tracks in randam order.
- Random playback will continue until the function is canceled. Touch **RAND** again to cancel.

Playing all tracks recorded in MUSIC JUKE in random order

1 Touch **FUNC** .

2 Touch **ALL RAND** .

- Touch **ALL RAND** to play all recorded tracks in random order. Random playback will continue until canceled. Touch **ALL RAND** again to cancel.
- The track to be played next is randomly selected at the end of the current track. As a result, it is possible for the same track to be played multiple times in a row.

Turning MUSIC JUKE off

1 Press **PWR** .

● Press **PWR** again to resume playback.

4. Editing a playlist

Music recorded into MUSIC JUKE is grouped into automatically created playlists according to album name, artist name etc. However, it is also possible to create original playlists containing a collection of your preferred tracks (songs). The playlist name can be edited and the playlist order switched.

● Playback pauses while editing is in progress.

Creating a playlist

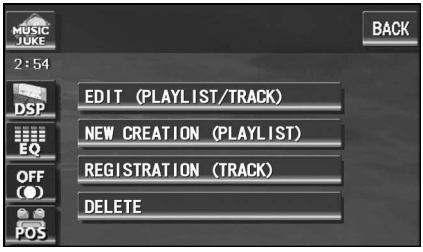
The MY SELECTION play mode allows you to create a playlist containing only your preferred tracks. When creating a new playlist in the ARTIST play mode, see **"Changing the artist"** (page 105).

1 Touch **FUNC** .

2 Touch **EDIT** .

● The Edit menu screen appears.

3 Touch **NEW CREATION (PLAYLIST)** .



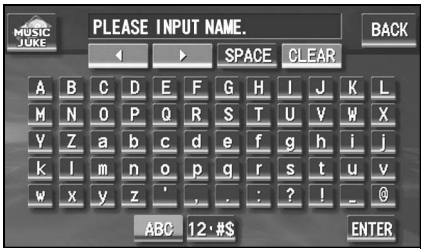
■ **Entering the playlist name**

4 Touch **TITLE** .

● The character input screen appears.

5 Enter the title.

● See **"Entering playlist name"** (next page) for information regarding entering names.



6 Touch **ENTER** .

■ **Adding a track to a created playlist**

7 Select a track.

● See **"Track search"** (page 103) for information regarding track searching.

8 Touch **ENTER** .

ATTENTION

- Always enter a track into a newly created playlist. A playlist cannot be created if it does not contain at least one track.
- To select multiple tracks simultaneously, touch all of the relevant tracks.
- Up to 99 tracks can be selected at one time.

Editing a playlist

Entering playlist name

1 Enter one letter at a time by touching the switches on the screen.

- Touch **ABC** or **12·#$** (numeric/symbols) to switch to the corresponding input screen.
- If you make a mistake (or if the name is already entered), touch **CLEAR** to delete one letter at a time.

2 Touch **ENTER** .

ATTENTION

- Up to 32 characters can be entered.
- The same name cannot be registered twice.

Editing a playlist name

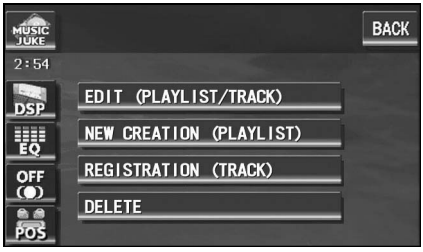
The names of playlists recorded in the ALBUM or MY SELECTION play modes can be edited.

1 Touch **FUNC** .

2 Touch **EDIT** .

● The Edit menu screen appears.

3 Touch **EDIT (PLAYLIST/TRACK)** .



4 Touch **PLAYLIST** .

5 Touch **ALBUM** or **MY SELECTION** .

Continue to the next page

Editing a playlist

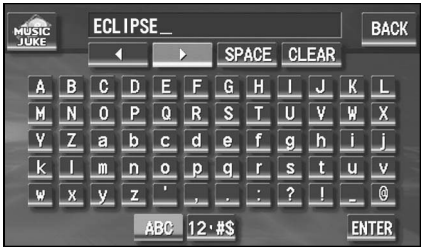
6 Touch the playlist you want to edit.

7 Touch **TITLE** .

- The character input screen appears.

8 Enter the title.

- See **"Entering playlist name"** (page 92) for information regarding entering names.



9 Touch **ENTER** .

Retrieving title information from the database

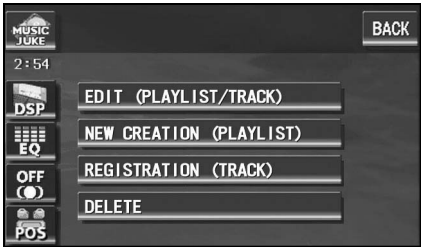
If title information cannot be assigned during digital recording, or the assigned information is incorrect, the relevant information will be searched from the database and assigned to the track (song).

1 Touch **FUNC** .

2 Touch **EDIT** .

● The Edit menu screen appears.

3 Touch **EDIT (PLAYLIST/TRACK)** .



4 Touch **PLAYLIST** .

5 Touch **ALBUM** .

Continue to the next page

Editing a playlist

6 Touch the playlist you want to edit.

7 Touch **SEARCH** .

- The display returns to the previous screen once the title information has been received.

■ **When there are multiple sets of title information**

8 Touch the relevant title.

- Up to 10 titles can be displayed.
- Touch **BACK** to return to the previous screen without retrieving title information.
- Touch **INFO** to display a list of track (songs) names included in the title list. After checking, touch **ENTER** to retrieve the title information and return to screen **7** .

Switching playlist order

Playlists and tracks are displayed and played back in the order they were recorded. The playback order can be changed by switching the way the playlist is displayed.

- Playlist order can only be changed if "PLAYLIST DISPLAY" is set to SELECT in MUSIC JUKE setting screen. If "PLAYLIST DISPLAY" is set to SELECT, touch **SELECT** for "PLAYLIST DISPLAY" as explained in **"Switching to chronological order"** (next page).

Reorder according to your own preference

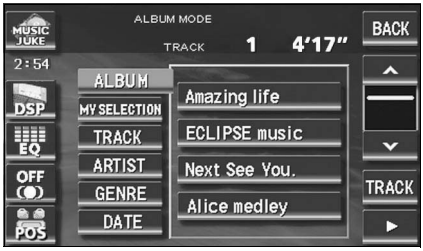
1 Touch **PLAYLIST** .

2 Touch the preferred play mode.

3 Touch the preferred playlist.

4 Touch ► .

- Playback of the tracks in the selected playlist begins and the playlist display switches.



Editing a playlist

Switching to chronological order

It is possible to return to chronological (starting from playlist created/recorded first) order after having reordered according to your own preference.

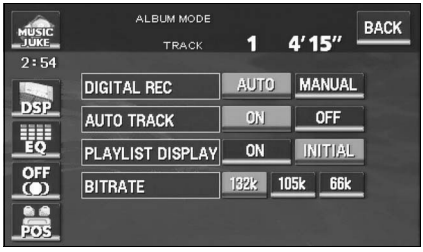
1 Touch **FUNC** .

2 Touch **SET** .

● MUSIC JUKE setting screen appears.

3 Touch **INITIAL** in PLAYLIST DISPLAY.

● Switches to chronological order.



Deleting a playlist

Playlists recorded in the ALBUM or MY SELECTION play modes can be deleted. The data deleted will differ depending on the selected play mode.

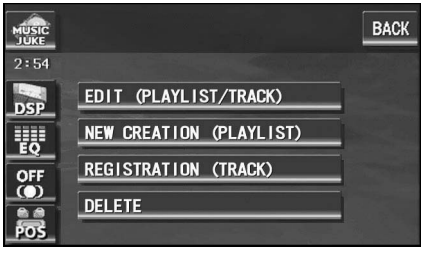
Selected play mode	Data that will be deleted
ALBUM	The selected playlist and tracks (songs) will be deleted and will no longer appear as results even if searched for in a different play mode.
MY SELECTION	The selected playlist will be deleted but tracks will not. They will still appear in results if searched for in a different play mode.

1 Touch **FUNC** .

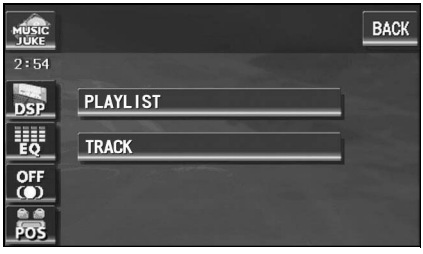
2 Touch **EDIT** .

● The Edit menu screen appears.

3 Touch **DELETE** .



4 Touch **PLAYLIST** .



Continue to the next page

Editing a playlist

5 Touch **ALBUM** or **MY SELECTION** .

6 Touch a playlist.

- The delete confirmation screen appears.

7 Touch **YES** .

ATTENTION

When all relevant tracks (song data) are deleted from artist, genre, and date recorded playlists, the playlist itself is automatically deleted.

5. Editing a track

This section will explain how to edit track information. Set the artist name or genre for a track so that you can retrieve if by entering this information when performing a search.

● Playback pauses while editing is in progress.

Adding a track

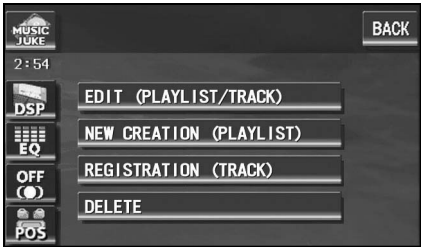
Recorded tracks can be added to a MY SELECTION play mode. Tracks cannot be added in any other play mode.

1 Touch **FUNC** .

2 Touch **EDIT** .

● The Edit menu screen appears.

3 Touch **REGISTRATION (TRACK)** .



■ **Selecting the preferred playlist when adding a track**

4 Touch a playlist.

Continue to the next page

Editing a track

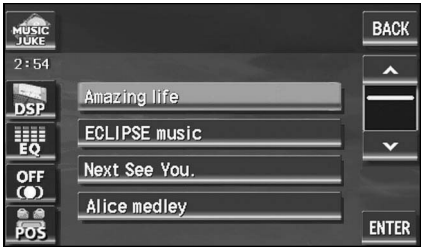
■ **Selecting the track to be added**

5 Select the track to be added.

● See **"Track search"** (next page) for information regarding track searching.

6 Touch **ENTER** .

● The track has been added to the playlist.



ATTENTION

- To add multiple tracks simultaneously, touch all of the relevant tracks.
- Touch an already selected track again to cancel the selection.
- Up to 99 tracks can be selected at one time.

Track search

Search for a preferred track from among multiple tracks.

When a track search is performed in the Edit menu screen, the following screen appears.

1 Touch a play mode.

- Touch **TRACK** to display the track list screen.

2 Touch the preferred playlist.

- The track list screen is displayed.

3 Touch the preferred track.

- Track list screen

Editing track information

It is possible to change the artist name, album name, track title, and genre.

Displaying the track edit screen

1 Touch **FUNC** .

2 Touch **EDIT** .

- The Edit menu screen appears.

Continue to the next page

Editing a track

3 Touch **EDIT (PLAYLIST/TRACK)** .

4 Touch **TRACK** .

5 Select the track you want to edit.

- See **"Track search"** (previous page) for information regarding track searching.

ATTENTION

When 4 or more lists are located in the same play mode, touch ∧ or ∨ to show lists not currently displayed.

Changing the track title

1 Touch **TITLE** in the track edit screen.

- The character input screen appears.

●Track edit screen

2 Enter the title.

- See **"Entering playlist name"** (page 92) for information regarding entering names.

3 Touch **ENTER** .

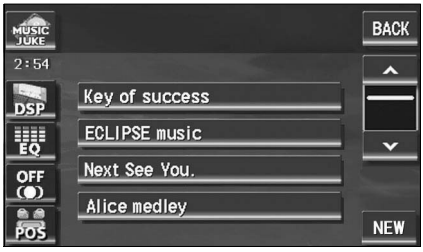
Changing the artist

1 Touch **ARTIST** .

- The artist list screen appears.

2 Touch the preferred artist name.

- Touch **NEW** to register a new artist. See **"Entering playlist name"** (page 92) for information regarding entering names.



Editing a track

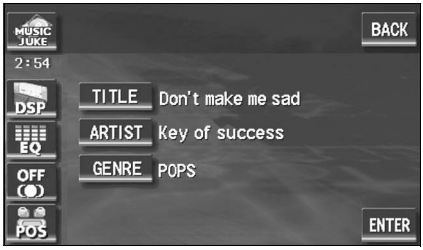
Changing the genre

1 Touch **GENRE** .

2 Touch a genre.

- Touch **OFF** to register without setting a genre.

3 Touch **ENTER** .



ATTENTION

Touch ∧ or ∨ to display different lists.

Deleting a track

Recorded tracks can be deleted.

The data deleted will differ depending on the selected play mode (playlist) or track.

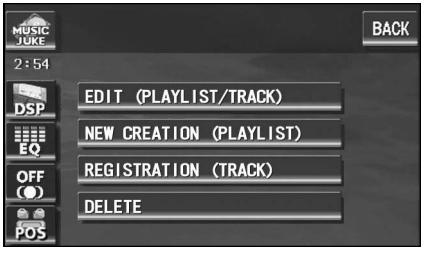
Selected play mode	Selected track	Data that will be deleted
Playlist in MY SELECTION	Track in a list	Selected tracks will be deleted from the list only. The tracks (song data) will not be deleted from the system and will still appear in results if searched for in a different play mode/playlist.
	Only track in a list	The selected playlist will be deleted. The track (song data) will not be deleted from the system and will still appear in results if searched for in a different play mode/playlist.
Other playlist	Track in a list	Selected tracks (song data) will be deleted. The tracks will not appear in results even if searched for in a different play mode/playlist.
	Only track in a list	Selected playlist and track (song data) will be deleted. The tracks will not appear in results even if searched for in a different play mode/playlist.

1 Touch **FUNC** .

2 Touch **EDIT** .

● The Edit menu screen appears.

3 Touch **DELETE** .



Continue to the next page

Editing a track

4 Touch **TRACK** .

5 Touch a track.

- See **"Track search"** (page 103) for information regarding track searching.

6 Touch **DELETE** .

- The delete confirmation screen appears.

7 Touch **YES** .

ATTENTION

- To delete multiple tracks simultaneously, touch all of the relevant tracks.
- Touch an already selected track again to cancel the selection.

1. Before using the DVD player

This unit can output the high quality images and high quality digital sound of DVD videos. It is also possible to switch between different languages recorded on the DVD video (dubbing, subtitles, etc.), and with videos having several angles of the same scene recorded, the preferred angle can be selected and played.

DVD video characteristics

About multiple languages

Some DVD discs have dialog recorded in several different languages, and the language can be switched during playback in the same way as multilingual TV broadcasts.

This river, which runs through the center of the town is...

Cette riviere, laquelle court au travers le centre de la ville est...

About multiple angles

Some DVD discs have a single scene recorded from several different angles (multiple angle), and the preferred angle can be switched during playback.

* Depending on the disc, multiple angles may not be recorded.

The angle of the image is changed.

Caution

This unit includes copyright protection technology used in accordance with US patents and other intellectual property rights owned by Macrovision Corporation and other entities. Use of this copyright protected technology requires approval from Macrovision Corporation and the technology must not be used for audiovisual purposes aside from general household use without special approval from Macrovision Corporation. Modification and disassembly of this technology is prohibited.

Before using the DVD player

About subtitles

Some DVD discs have subtitles recorded in several different languages, and the subtitles can be switched during playback. The video can also be played without any subtitles displayed.

About discs

About playable discs

This unit conforms to NTSC color television methods, so please use discs that display "NTSC" on the disc or package.

Playable disc types and their marks	Size/Playing surface	Maximum playing time
DVD VIDEO	12cm/single-sided single-layer double-layer	<MPEG2> 133 min. 242 min.
DVD VIDEO	12cm/double-sided single-layer double-layer	 266 min. 484 min.

About region codes of playable discs

Some DVD discs display a ("Region Code"). This mark (a number) shows the geographical region where the disc can be played. This unit can only play discs with region codes "1" or "ALL". If you play discs with any region code other than those shown above, a "This disc cannot be played" message is displayed. It is possible that discs bearing no region code can not be played as a result of geographical restrictions.

About marks displayed on discs

The following marks may be displayed on a DVD disc or its package.

Mark		Meaning
		Shows number of voice tracks.
		Shows number of subtitle languages.
		Shows number of filmed angles.
		Shows available aspect ratio (television screen horizontal to vertical ratio). ●"16 : 9" is wide screen, "4 : 3" is standard screen.
		Shows playable region code. ●ALL indicates worldwide. A number indicates a specific region code. "1" is the region number for North America.

ATTENTION

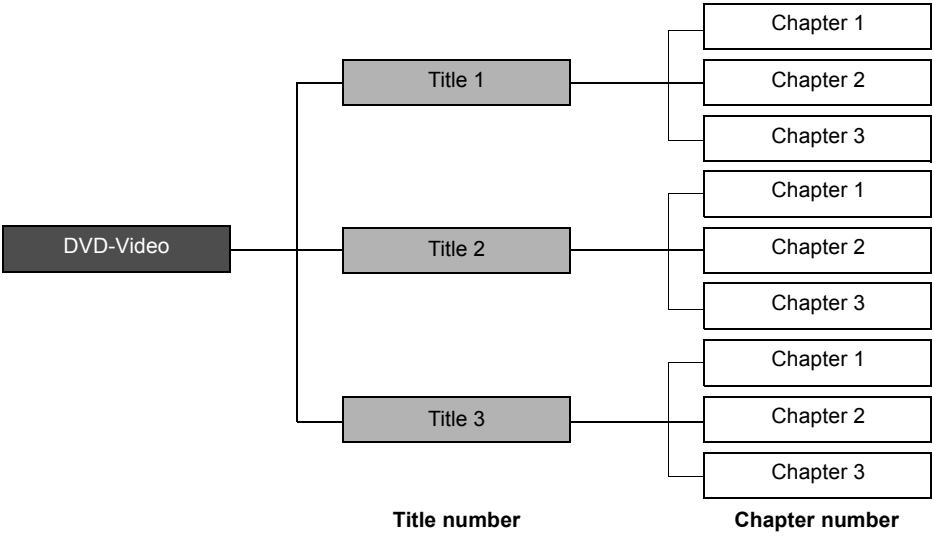
The playing condition is determined by the creator of the DVD/software. Some functions may not perform during operation because the unit is playing the disc according to content specifications intended by the software creator. Be sure to consult the explanatory material provided with the disc to be played.

Before using the DVD player

About DVD disc structures

Videos and tracks recorded on a DVD are divided into many segments.

Large segments are called "titles", and each title has a number ("title number"). Title segments are further divided into smaller segments called "chapters", and each chapter has a number ("chapter number").



How to operate the DVD player

The section below describes the flow for functions such as operation and search of images and setting defaults for the DVD player.

Touch switches used to switch between the operation screens are shown below.

●DVD operation screen

SEARCH

BACK

●Title screen

BACK

NEXT

BACK

DVD operation screen

SET

BACK

●Menu operation screen

BACK

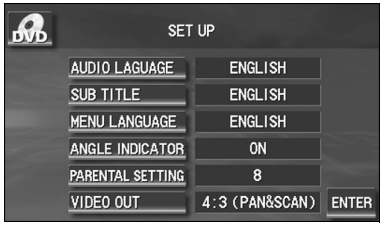
NUMBER

ENTER

SETUP

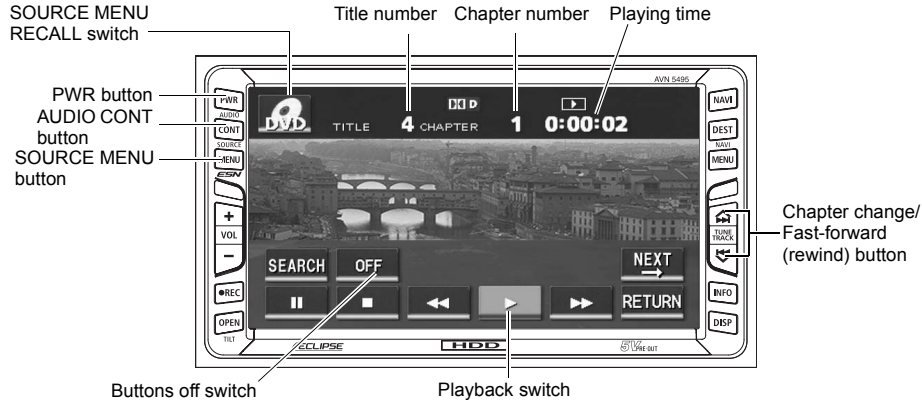
●Menu number search screen

●Default settings screen



2. How to use the DVD player

For safety reasons, DVDs can only be played when the ignition is switched to ON or ACC and the vehicle is completely stopped with the parking brake applied. (Only sound is output if a DVD is played while the car is in motion.)



Watching a DVD

Playback starts automatically when a DVD is inserted into the disc slot.

1 Press **SOURCE MENU** or touch the SOURCE MENU RECALL switch when a DVD has been inserted.

2 Touch **DVD** .

- Playback will begin.
- To display the operation switches (touch switches), press **AUDIO CONT** or touch the screen.

ATTENTION

- Information for items such as touch switches will be displayed for about 6 seconds. Press **AUDIO CONT** or touch the screen to display again.
- Depending on the disc, automatic playback or playback may not function unless a menu recorded on the disc is selected. (See **"Operating the disc menu"** on page 117)

Operating the video

Playing the video

1 Touch ► .

Fast-forwarding/rewinding

It is possible to fast-forward or rewind through the video being played.

Fast-forwarding/rewinding using the panel buttons

1 Press and hold ⏭ or ⏮ until you hear a beep.

- ⏭ (up) : Fast-forward
  ⏮ (down) : Rewind
  If you hear a beep while rewinding (fast-forwarding), the deck has switched to the fast-forward (rewind) mode and will continue until you remove your finger from the button.

Fast-forwarding/rewinding using the touch switches

1 Touch ◄◄ or ►► .

- If you hear a beep while rewinding (fast-forwarding), the deck has switched to the fast-forward (rewind) mode and will continue until you remove your finger from the switch.

How to use the DVD player

Pausing the video

1 Touch ⏸ .

- While paused (⏸), briefly touch ⏩ for slow motion playback, or ⏸ for frame-by-frame playback.

Stopping the video

1 Touch ■ .

Operating the disc menu

It is possible to use the menu recorded on the disc.

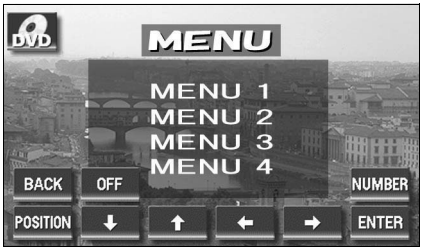
1 Touch NEXT in the DVD operation screen.

2 Touch **MENU** or **TOP MENU** .

3 Touch ✥ .

4 Touch ↑ , ↓ , ← , or → to select the video you want to play.

5 Touch **ENTER** .



Turning off the DVD

1 Press **PWR** .

● Press **PWR** again to resume playback (audio only).

ATTENTION

Recorded menu items will differ by disc. The disc is played according to its content so all functions may not be available.

How to use the DVD player

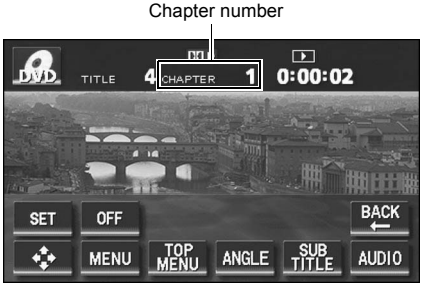
Searching for a desired chapter

It is possible to search for a particular video segment by title and chapter or by menu number (number for divided segments).

Searching by chapter

1 Press or .

- (up) : Selects next chapter
  (down) : Selects previous chapter



Searching by title number

1 Touch **SEARCH** in the DVD operation screen.

- The title number input screen will be displayed.

2 Enter the title number by touching **−** , **+** , **-10** , and **+10** .

- Touch **−** or **+** to change the title number in steps of one.
- Touch **-10** or **+10** to change the title number in steps of ten.

3 Touch **ENTER** .

Searching by menu number

1 Touch NEXT in the DVD operation screen.

2 Touch ✥ .

3 Touch **NUMBER** .

- The menu number input screen will be displayed.

4 Enter the menu number by touching **−** , **+** , **-10** , and **+10** .

- Touch **−** or **+** to change the menu number in steps of one.
- Touch **-10** or **+10** to change the menu number in steps of ten.

5 Touch **ENTER** .

How to use the DVD player

Changing the touch switch display

Display of the touch switches can be changed or turned off.

Turning off the touch switches

1 Touch **OFF** in the DVD operation screen.

- Press **AUDIO CONT** or touch the screen to display the touch switches again.

Changing the touch switch display locations

1 Touch NEXT in the DVD operation screen.

2 Touch ✥ .

3 Touch **POSITION** .

- The position of the touch switch will move up or down as you touch the screen.

Switching screen display/audio

It is possible to change the language for subtitles and audio, as well as, the display angle for the video being played.

Changing the angle

When several angles of a scene are recorded on a disc, the angle can be switched.

1 Touch NEXT in the DVD operation screen.

2 Touch **ANGLE** when the multiple angle mark is displayed.

- The angle number will be displayed.

Multi-angle mark

3 Touch **ANGLE** .

- The angle number will change and the angle of the video will be switched.

Angle number

ATTENTION

Each time **ANGLE** is touched, the angle will change in order from among the angles recorded on the disc.

How to use the DVD player

Switching subtitle language

When subtitles in several languages are recorded on a disc, the subtitles can be switched.

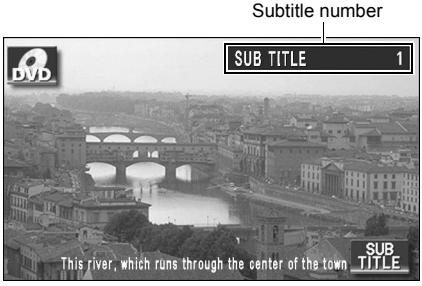
1 Touch NEXT in the DVD operation screen.

2 Touch **SUB TITLE** .

- The subtitle number will be displayed.

3 Touch **SUB TITLE** .

- The subtitle number will switch and the subtitle language will change.



ATTENTION

- Each time **SUB TITLE** is touched, the subtitle language will change in order from among the subtitles recorded on the disc.
- Depending on the disc, it may only be possible to change subtitles in the top menu.

Switching dubbed audio language

If several audio languages are recorded on a disc, the languages can be switched.

1 Touch NEXT in the DVD operation screen.

2 Touch **AUDIO** .

- The audio number and language will be displayed.

3 Touch **AUDIO** .

- The audio number will change and the audio language will be switched.

ATTENTION

- Each time **AUDIO** is touched, the audio language will change in order from among the languages recorded on the disc.

  Language 1 → Language 2 → Language…

- Depending on the disc, it may only be possible to change audio languages in the top menu.
- The dts format is not supported by this deck, so no audio will be emitted if "dts audio" is selected on a disc that enable it. In this case, select "Dolby Digital audio", which should also be recorded on the DVD video.
- dts is a registered trademark of the US company Digital Theater Systems, Inc.

How to use the DVD player

Setting the DVD player

The language preferences for voices, subtitles and menu display used during DVD playback can be set in advance. Optional display of the multiple angle mark, viewer restriction and other functions can also be set.

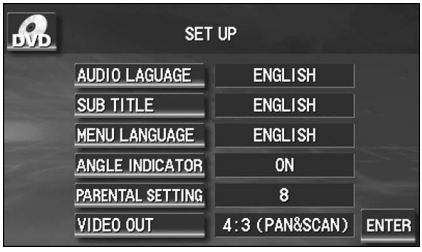
1 Touch NEXT in the DVD operation screen.

2 Touch **SET** .

3 Touch **SETUP** .

● The SET UP screen will be displayed.

4 Touch the appropriate touch switch to progress to the next page and perform settings.



Touch switch	Function	Page
AUDIO LANGUAGE	Sets the voice language for video playback.	See below
SUB TITLE	Sets the subtitle language for video playback.	Next page
MENU LANGUAGE	Sets the language of displayed menus.	page 127
ANGLE INDICATOR	Sets display/non-display of multiple angle mark.	page 128
PARENTAL SETTING	Restricts the types of DVD videos that can be played.	page 129
VIDEO OUT	Sets screen size.	page 130

Setting the audio language

The preferred language for video playback can be selected.

1 Touch **AUDIO LANGUAGE** in the SET UP screen.

2 Touch the preferred language.

- Touch **OTHER** to set a language other than those displayed on the screen.

Input a code

1 Touch **OTHER** in the AUDIO LANGUAGE setting screen.

2 Input a language code.

- For language codes see **"Table of language codes"** on page 131.

3 Touch **ENTER** .

ATTENTION

After changing settings in the SET UP screen, the DVD will stop if you press one of the buttons that switch screens (**AUDIO CONT** or **SOURCE MENU**) without touching **ENTER** . Touch ► in the operation screen to start playback again. (See page 115)

How to use the DVD player

Subtitle language setting

The preferred subtitles for the video playback can be selected.

1 Touch **SUB TITLE** in the SET UP screen.

2 Touch the preferred language.

- Touch **OTHER** to set a language other than those displayed on the screen.
- Touch **OFF** for playback without subtitles.

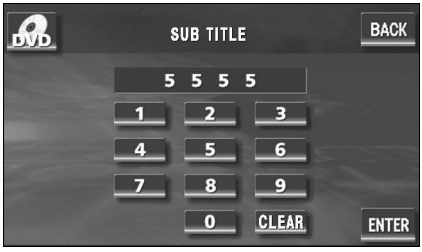
Input a code

1 Touch **OTHER** in the SUB TITLE setting screen.

2 Input a language code.

- For language codes see **"Table of language codes"** on page 131.

3 Touch **ENTER** .



ATTENTION

Language switching cannot be performed if the selected language is not recorded on the disc.

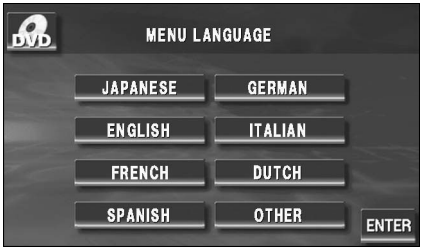
Menu language setting

Allows selection of a preferred menu language from those recorded on the disc.

1 Touch **MENU LANGUAGE** in the SET UP screen.

2 Touch the preferred language.

- Touch **OTHER** to set a language other than those displayed on the screen.



Input a code

1 Touch **OTHER** in the MENU LANGUAGE setting screen.

2 Input a language code.

- For language codes see **"Table of language codes"** on page 131.

3 Touch **ENTER** .

DVD

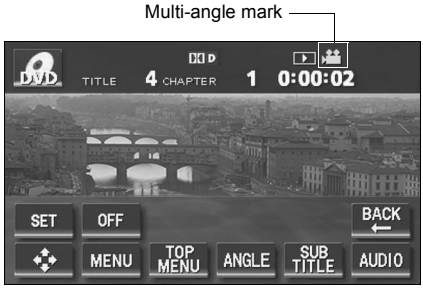
ATTENTION

Language switching cannot be performed if the selected language is not recorded on the disc.

How to use the DVD player

Setting display of multi-angle mark (angle selection mark)

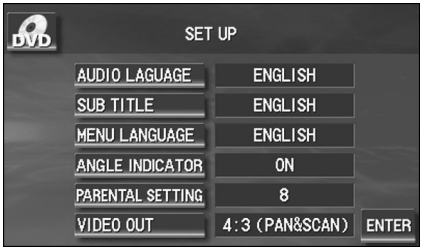
The multi-angle mark can be set to display/not display during video playback.



1 Touch **ANGLE INDICATOR** in the SET UP screen.

- Touching the switch switches between "ON" and "OFF" mode.

2 Touch **ENTER** .



ATTENTION

Setting the multi-angle mark display to "ON" will display the multi-angle mark in the upper right corner of the screen when multiple angles are available on the disc.

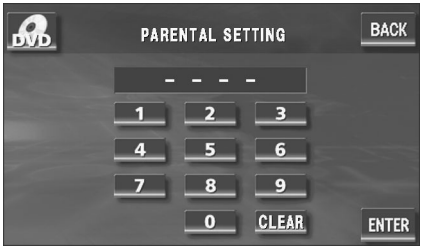
Viewer restriction setting

This function allows viewing restriction to be set so that discs with adult content or violence will not be available to children. Viewer restriction can be set at different levels to match restriction ratings.

1 Touch **PARENTAL SETTING** in the SET UP screen.

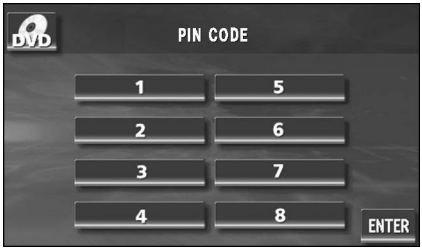
2 Enter a pass code by touching one number at a time.

3 Touch **ENTER** .



4 Touch the preferred restriction level.

5 Touch **ENTER** .



ATTENTION

- Restriction cannot be set for discs that do not have a viewer restriction level recorded.
- Be sure to enter a pass code number. If a number is not entered, setting viewer restriction will not be possible.
- The pin code shown in the upper section will be displayed as [----] when a pin code has not yet been set.
- Once the pass code has been set, the pass code will be required for subsequent use of this function. Please do not forget the pass code. If you forget your pass code, the default setting (no pass code set) can be restored by touching **CLEAR** 10 times.
- Viewer restriction levels are classified in 3 types.

Level 1 . . . . . Plays only DVD software intended for children. (Playing of DVD software intended for general audiences or adult audiences is prohibited.)

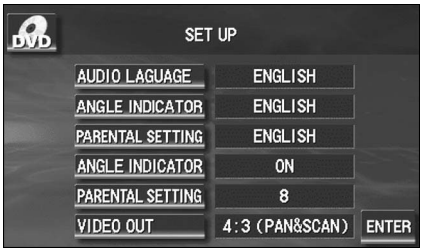
Levels 2 - 7 . . . Plays only DVD software intended for children or general audiences. (Playing of DVD software intended for adult audiences is prohibited.)

Level 8 . . . . . Plays all DVD software. (Factory setting)

How to use the DVD player

Changing video output

1 Touch **VIDEO OUT** in the SET UP screen.



- Each time the switch is touched, the screen size changes in the order shown below.

16 : 9 → 4 : 3 LETTER BOX → 4 : 3 PAN & SCAN → (back to 16 : 9)

- **16 : 9**

  The video is displayed at normal width. DVD software recorded in 4 : 3 size will be displayed with black left and right edges or will be expanded to the left and right.

- **4 : 3 (letter box)**

  The video is displayed with black upper and lower edges.

  DVD software recorded in 4 : 3 size will be displayed exactly at screen size (4 : 3).

- **4 : 3 (pan & scan)**

  The video is displayed with right and left edges cut off. DVD software recorded in 4 : 3 size will be displayed exactly at screen size (4 : 3).

2 Touch **ENTER** .

ATTENTION

When another monitor such as a rear seat monitor is being used, the size of the video being displayed in the rear seat monitor will differ according to the video output size set by the deck (front).

Caution

There are no problems with using this function as long as the customer views images privately in wide-screen format. However, if the images are compressed or enlarged for viewing for any commercial or public purpose, it may infringe upon the rights of the copyright holder under applicable copyright laws.

Table of language codes

These codes are used to specify the language for audio tracks, subtitles and on-screen menu displays.

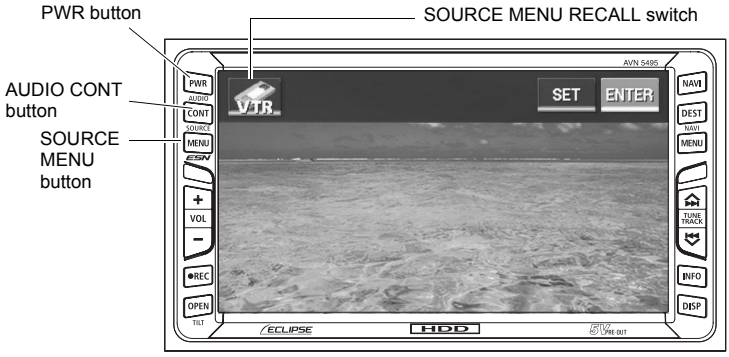
Input code	Language
1001	Japanese
0514	English
0618	French
0405	German
0920	Italian
0519	Spanish
1412	Dutch
1821	Russian
2608	Chinese
1115	Korean
0512	Greek
0101	Afar
0102	Abkhazian
0106	Afrikaans
0113	Amharic
0118	Arabic
0119	Assamese
0125	Aymara
0126	Azerbaijani
0201	Bashkir
0205	Byelorussian
0207	Bulgarian
0208	Bihari
0209	Bislama
0214	Bengali
0215	Tibetan
0218	Breton
0301	Catalan
0315	Corsican
0319	Czech
0325	Welsh
0401	Danish
0426	Bhutani
0515	Esperanto
0520	Estonian
0521	Basque
0601	Persian
0609	Finnish
0610	Fiji
0615	Faroese
0625	Frisian
0701	Irish
0704	Scots- Gaelic
0712	Galician
0714	Guarani
0721	Gujarati

Input code	Language
0801	Hausa
0809	Hindi
0818	Croatian
0821	Hungarian
0825	Armenian
0901	Interlingua
0905	Interlingue
0911	Inupiak
0914	Indonesian
0919	Icelandic
0923	Hebrew
1009	Yiddish
1023	Javanese
1101	Georgian
1111	Kazakh
1112	Greenlandic
1113	Cambodian
1114	Kannada
1119	Kashmiri
1121	Kurdish
1125	Kirghiz
1201	Latin
1214	Lingala
1215	Laothian
1220	Lithuanian
1222	Latvian
1307	Malagasy
1309	Maori
1311	Macedonian
1312	Malayalam
1314	Mongolian
1315	Moldavian
1318	Marathi
1319	Malay
1320	Maltese
1325	Burmese
1401	Nauru
1405	Nepali
1415	Norwegian
1503	Occitan
1513	Oromo
1518	Oriya
1601	Panjabi
1612	Polish
1619	Pashto
1620	Portuguese

Input code	Language
1721	Quechua
1813	Rhaeto-Romance
1814	Kirundi
1815	Romanian
1823	Kinyarwanda
1901	Sanskrit
1904	Sindhi
1907	Sangho
1908	Serbo-Croatian
1909	Sinhalese
1911	Slovak
1912	Slovenian
1913	Samoan
1914	Shona
1915	Somali
1917	Albanian
1918	Serbian
1919	Siswati
1920	Sesotho
1921	Sundanese
1922	Swedish
1923	Swahili
2001	Tamil
2005	Telugu
2007	Tajik
2008	Thai
2009	Tigrinya
2011	Turkmen
2012	Tagalog
2014	Setswana
2015	Tonga
2018	Turkish
2019	Tsonga
2020	Tatar
2023	Twi
2111	Ukrainian
2118	Urdu
2126	Uzbek
2209	Vietnamese
2215	Volapuk
2315	Wolof
2408	Xhosa
2515	Yoruba
2621	Zulu

1. How to use the VTR

Video tapes can be played by connecting a commercially available VTR deck. For safety reasons, videos can be played only when the ignition is switched to ON or ACC and the vehicle is completely stopped with the parking brake set. (If the VTR mode is activated while the vehicle is in motion, only the audio will be played.)



Viewing the VTR

1 Press **SOURCE MENU** or touch the SOURCE MENU RECALL switch.

2 Touch **VTR** .

- The VTR screen will be displayed.
- Press **AUDIO CONT** or touch the screen to display the VTR operation screen.

Switching to the VTR setting screen

Switch to the VTR setting screen in VTR mode to perform the following operations.

- To adjust sound quality (DSP, EQ, POS etc.)
- To switch screen mode (Wide mode)

1 Touch **SET** .

- Touch **BACK** to return to the VTR operation screen.

ATTENTION

- After switching to the VTR operation screen, touch switches will be displayed for about 6 seconds. Pressing **AUDIO CONT** will display them again.
- The VTR operation screen can be displayed by touching the screen, even when the VTR is playing.
- It is possible that the image may not be displayed correctly depending on the connected devices.

Turning off the VTR mode

1 Press **PWR** .

- Press **PWR** again to resume playback.
- Press **SOURCE MENU** and then touch **VTR** to resume playback of the video that was being played before the power was turned off.

1. How to use the card remote control

The card remote control is sold separately. You can obtain a card remote from your local retailer.

Warning

- Be sure to properly store the remote control when not in use. An improperly stored remote control could shift during braking or cornering and interfere with driving operation (for example, by becoming lodged under the brake pedal) and cause an accident.
- Do not expose the remote control to extreme heat or direct sunlight, especially when it is in the vehicle. Doing so could cause a fire.

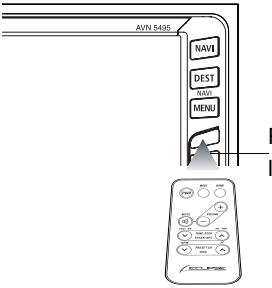
Caution

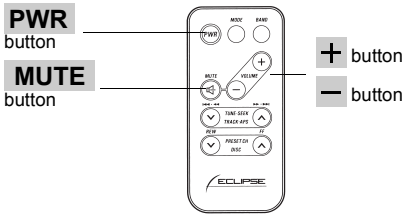
Precautions when using the remote control

- Be careful when handling the control, especially because it is small and light. Dropping or striking it may damage it, wear out the battery or cause a malfunction.
- Keep the remote control free of moisture, dust and water. Do not subject it to shock.
- Do not place the remote control unit where it will get hot, such as on the dashboard or near a heater vent. Allowing the remote control unit to overheat may warp its case or cause other problems.
- Do not operate the remote control unit while driving because doing so could cause an accident.
- When using the remote control, point it directly at the remote control light receptor.
- The light receptor may not operate correctly if it is exposed to bright light such as direct sunlight.
- Be sure to press the [PWR] button on the main unit for more than two seconds to shut it down before leaving the car, or the car battery may be run down. When the main unit is shut down, the remote control will not work.
- Remove the batteries from the remote control unit whenever it is not to be used for a long time.
- Store the remote control away from direct sunlight, extreme heat, and high pressure. Exposure to these elements could result in warping of the casing, battery rupture, or battery leakage.

Cleaning the remote control

- Use a dry cloth to keep the unit clean. If the remote control unit gets extremely dirty, clean it with a cloth moistened in dilute liquid detergent. Do not use alcohol or thinner; these compounds may damage the finish.
- In no event should benzine or thinner be used. These substances will damage the case or finish.





Turning the power on/off

When the power is turned on, the unit resumes whatever operation was being performed when the power was turned off (CD, tuner, etc.)

1 Press **PWR** .

- The power turns on or off each time the button is pressed.

Adjusting the audio volume

1 Press + or − .

- + button: Increases the volume.
  − button: Decreases the volume.

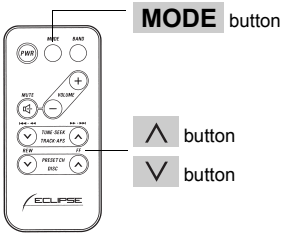
Muting the volume

Press **MUTE** to silence the volume or restore it instantly.

ATTENTION

When the main unit is off, the remote control will not work.

How to use the card remote control



Switching playback modes

1 Press **MODE** .

● Press the button to switch modes in the following sequence:

→ AM — FM — CD — MP3 — Music Juke — Memory Stick

VTR — DVD — CD Changer ←

How to play the tuner

Select the tuner mode first.

Selecting the FM/AM band

1 Press **MODE** .

Selecting a station (manually or automatically)

A short press of the button will allow manual station tuning.

1 Press ∨ **TUNE·SEEK** ∧ .

● ∧ button: Tunes to higher frequency stations.
∨ button: Tunes to lower frequency stations.

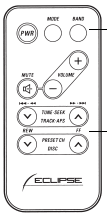
Selecting preset stations

A total of six stations may be selected (preset tuning) out of those already set in memory through the main unit. (See **"Saving radio stations"**, on page 46)

1 Press ∨ **PRESET CH** ∧ .

- ∧ button: Select the next higher number preset button.
  ∨ button: Select the next lower number preset button.

How to use the card remote control



BAND button

∨ **TRACK·APS** ∧ button

∨ **DISC** ∧ button

How to play CDs

● Select the CD mode first.

Switching disc modes

1 Press **BAND** .

When two CD changers are connected, press **BAND** to change modes from the CD Changer 1 to CD Changer 2.

The indicator will skip a changer or player that has no discs loaded.

Advancing to the next track or returning to the beginning of the track being played

1 Press ∨ **TRACK·APS** ∧ .

● ∧ button: Skips to the next track.

∨ button: Returns to the beginning of the track being played. (Press repeatedly to move to previous tracks.)

Skipping to the next or previous disc

1 Press ∨ **DISC** ∧ .

● ∧ button: Selects the next higher number disc.

∨ button: Selects the next lower number disc.

ATTENTION

Hold ∧ down to fast forward, or ∨ to rewind through the track being played.

Replacing the battery

Keep batteries out of reach of children. If a child should accidentally swallow a battery, consult a physician immediately.

- Do not attempt to recharge dry-cell batteries. Doing so may cause the battery to rupture and result in an injury.
- Do not use battery types other than specified or mix new and old batteries. Doing so may result battery rupture or leakage of contaminants, and could cause injury.
- Pay close attention when inserting the battery to ensure that the positive and negative terminals are aligned correctly. Incorrect placement could result battery rupture or leakage of contaminants, and could cause injury.
- Replace worn batteries immediately. Worn batteries could leak contaminants onto the surrounding area.
- When disposing of lithium dry-cell batteries, cover the positive and negative terminals with electrical tape or another insulating substance and follow your local regulations for disposal. Disposing lithium batteries along with metal or other conductive materials could result in a short, causing a fire or explosion.
- Do not cause a battery short by heating or disassembling a battery, or exposing it to fire or water. Battery rupture or leakage could result, causing a fire and/or injury.

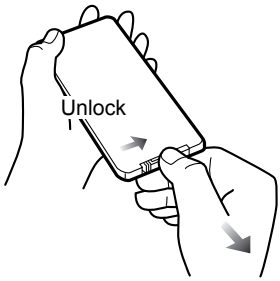
How to use the card remote control

Warning

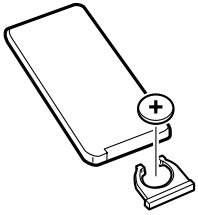
To prevent accidents, store batteries out of reach of children. If a child swallows a battery, consult a doctor immediately.

Use one CR2025 battery.

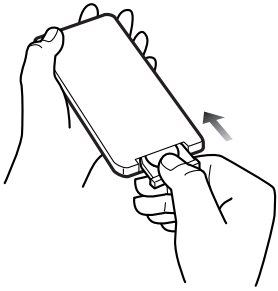
1 On the back of the remote control, pull out the battery carrier with your fingernail while pressing the locking knob on the battery slot cover toward your right.



2 Remove the old battery, then place the new one in the carrier with the + mark facing up.



3 Push in the carrier until it snaps into place.



ATTENTION

Be extremely careful not to swallow the battery.

1. Important Points

If one of these messages appears

If any of the following messages are displayed, check the unit while referring to the cause and corrective action columns.

Messages	Cause	Corrective action
CD SEEK	The CD changer is searching for discs when a magazine has been inserted in the CD changer.	Wait until the unit has finished identifying the type of disc.
CD DOOR OPEN	The door of the CD changer is open.	Close the door of the CD changer.
CHECK DISC	The CD/MP3/DVD is dirty or has been inserted upside down.	Clean the disc if it is dirty. Insert the disc correctly if it is upside down.
NO DISC NO CD	There is no disc in the CD/MP3/DVD player or CD changer.	Load a music disc.
CD ERROR DVD ERROR DISC ERROR	The CD/MP3/DVD player or CD changer will not move for some reason.	Eject the disc. *1
	The temperature of the CD/MP3/DVD player or CD changer has become unusually high.	Wait a moment for the unit to cool down. Do not perform any other operations. *2
NO CD MAGAZINE	There is no magazine in the CD changer.	Load a magazine.
CD OO CHECK	The OO spot in the CD changer has a CD that cannot be read.	Check for a properly loaded music CD.
PASS CODE INCORRECT	Displayed when the pass code has been entered incorrectly.	Enter the correct pass code.
This Memory Stick is not available.	The inserted Memory Stick type is not supported.	Check that the Memory Stick is a type supported by this unit. (See page 22)
No Memory Stick.	An MG Memory Stick has not been inserted.	Insert an MG Memory Stick.
No Music data.	There is no playable music data recorded on the MG Memory Stick.	Insert an MG Memory Stick containing playable music data.
Checking Memory Stick.	The Memory Stick is being checked.	Checking the Memory Stick may take a short while. Wait a moment for the message to disappear before using.
Please check Memory Stick.	The Memory Stick cannot be played because of static electricity.	Wait a moment then re-insert and attempt to play again.

*1 If the unit still will not work after the disc is ejected, contact your local retailer.

*2 If this error occurs, wait a moment for the changer to cool down. When the temperature inside the unit returns to normal, the message will disappear and playback will start. If the message does not disappear after waiting for a long period, contact your local retailer.

Continue to the next page

Important Points

Messages	Cause	Corrective action
This Memory Stick is not available.	You have tried to save data to the hard disc from a Memory Stick not supported by this unit.	Check that the Memory Stick is a type supported by this unit. (See page 22)
There are no playable files.	There is no playable music data on the MG Memory Stick.	Check that the Memory Stick contains recorded music data.
Memory Stick mode cannot be turned on during recording.	You tried to switch to Memory Stick mode during recording.	Stop recording and switch to Memory Stick mode. (See page 81, 82)
Can not read disc due to guard.	You tried to play data protected by playback restriction.	Try playback again after retrieving the data.
No Music data.	You tried to switch to Music Juke mode when it contains no recorded data.	Switch to Music Juke mode after data has been recorded in Music Juke. (See page 81)
Recording is canceled. (HDD capacity is full.)	The hard disc became full during recording.	Try recording again after deleting music data from the hard disc. (See page 99, 107)
Can not record. (This CD is already recorded.)	You tried to record a CD album which has already been recorded.	A music CD cannot be recorded twice. To record, first delete the already recorded data, then try again. (See page 99, 107)
Recording is canceled. (Time over)	The 300-minute limit for analog recording has been reached.	Press ●REC again to resume recording.
There are no completely recorded tracks. CD playback will begin.	Digital recording has been started and ended without a single track being completely recorded.	To record, press ●REC again (for at least one second).
Jumping occurred. Start recording again.	Jumping occurred while track in playback was being recorded.	Wait a moment. Start recording again.
Wait a moment. No tracks have been recorded yet.	You returned to CD mode after starting recording without recording any tracks. Recording has been canceled and will start again from the beginning.	Recording has started. Wait a moment until the first track has been recorded.
Can not record.	The CD you are trying to record is protected.	Press ●REC to record. Analog recording will begin.
Please carry out a recording start after deleting a playlist. (Playlist is full.)	No more playlists can be automatically created in MUSIC JUKE because the playlist limit has been reached.	Try recording again after deleting a playlist. (See page 99)
Please carry out a recording start after deleting a track. (Track is full.)	No more music can be recorded in Music Juke because the track limit has been reached.	Try recording again after deleting a track. (See page 107)
The number of playlists is full.	No more new playlists can be created in Music Juke because the playlist limit has been reached.	Try creating a new playlist again after deleting an old one. (See page 90, 99)
The number of tracks is full.	No more tracks can be added. The playlist is full.	Try adding a track again after deleting an old one. (See page 107)
Edit mode cannot be turned on during recording.	You tried to perform editing during recording.	Stop recording and perform editing. (See page 81, 90)

Messages	Cause	Corrective action
MusicJuke has stopped. (Abnormalities)	An abnormality has been detected.	Turn the engine OFF (ACC OFF).
Recording has stopped. (Abnormalities)	An abnormality has been detected.	Turn Audio OFF.
Preparing for MUSIC JUKE. (Caution!) Do not turn off the power.	You switched to MUSIC JUKE mode, but MUSIC JUKE is still being initialized.	Wait a moment for the message to disappear before using.
Preparing for recording. (Caution!) Do not turn off the power, and do not eject DVD/ CD/Memory Stick.	The vehicle engine was turned OFF (ACC OFF) then ON (ACC ON) again during recording.	Wait a moment for the message to disappear before using.
Recording has stopped. (Overheating)	The temperature inside the hard disc has become unusually high.	Wait a moment for the unit to cool down. Do not perform any other operations.
Recording has stopped. (Cooling)	The temperature inside the hard disc has become unusually low.	Wait a moment. Do not perform any other operations until the unit warms up.
Updating Gracenote CDDB. (Caution!) Do not turn off the power, and do not eject DVD/ CD/Memory Stick.	Data may be lost if the power is turned off or media is ejected during update.	Wait a moment for the message to disappear before using.
It is already updated.	You tried to update a database that is already fully updated.	The same update cannot be performed twice for the same database.
Updating has gone wrong.	The database update has failed.	Try updating again. If update cannot be completed, contact your local retailer.
HDD has stopped. (Overheating)	The temperature inside the hard disc has become unusually high.	Wait a moment for the unit to cool down. Do not perform any other operations.
HDD has stopped. (Cooling)	The temperature inside the hard disc has become unusually low.	Wait a moment. Do not perform any other operations until the unit warms up.
There is no database to update.	There is no update data on the MG Memory Stick.	Check that the Memory Stick contains update data.
PARENTAL LOCK ENABLED	Viewing restrictions are enabled.	Change the setting for viewing restrictions and start again. (See page 129)
THIS FUNCTION IS CURRENTLY DISABLED	A function that has been disabled was selected with the menu.	Follow the directions on the screen and start again.
	A function that cannot be used while the vehicle is in motion was selected.	Stop the vehicle.
INVALID CODE	A number not supported was input for selecting a language code.	Input a valid language code.
REGION CODE ERROR	The region code (controlled region for playback) of the disc isn't acceptable.	Check that the DVD is a type supported by this unit. (See page 111)
Requested chapter or title not found	The selected chapter/title does not exist.	Select a chapter/title that is on the disc.

Important Points

Before asking for repairs

Slight differences in operation can sometimes be mistaken for malfunctions, so check the following table before requesting any repairs.

If the following fail to solve the problem, contact your local retailer.

Symptom	Possible reason	Corrective action
The screen is dark for a brief period when the power is turned on at low temperatures.	This is a characteristic of LCDs.	This is not a malfunction. Wait for a brief period.
The display is distorted for a brief period after the power is turned on.	This is a characteristic of LCD backlighting.	This is not a malfunction. The display will stabilize after a brief period.
No sound comes out.	Volume is poorly adjusted.	Press the volume switch and check volume.
Sound comes out of only one side (left or right, front or back).	A speaker cord is disconnected.	Check the connections of the speaker cords.
	Volume is poorly adjusted.	Check the left/right volume adjustments.
Sound quality does not change even after making adjustments.	The adjusted audio quality is not included in the radio broadcast or disc.	Check by changing the radio station or disc.
A CD/DVD will not go into the deck.	Power is not turned on.	Turn the vehicle ignition switch to [ACC] or [ON].
	A disc is already inserted and you are trying to insert a second disc.	Eject the previously inserted CD/DVD and insert the preferred CD/DVD.
A CD/DVD cannot be played.	There is water condensation in the deck.	Do not use the deck for a while and then try using it again. (See page 19)
	There is a large scratch or warp in the CD/DVD.	Insert a different CD/DVD.
	The CD/DVD is very dirty.	Clean the CD/DVD. (See page 20)
	The CD/DVD is upside down.	Insert the CD/DVD the right way up. (See page 20)
	The inserted CD/DVD type is not supported.	Insert a CD/DVD that is supported by the unit. (See page 19, page 20)
Memory Stick playback not possible	The inserted Memory Stick type is not supported.	Insert a Memory Stick that is supported by the unit. (See page 22)
CD CHANGER1 / **CD CHANGER2** not displayed on the screen.	The CD changer is not completely connected.	Check the connections to the CD changer.
Automatic recording does not start after CD playback has begun.	Digital recording is set to “Manual”.	Set digital recording to “Auto”. (See page 79)
	MP3 playing.	Cannot record MP3.
Audio is output, but not video.	The screen has been turned off with the screen OFF button.	Press **AUDIO CONT** or **NAVI**. (See page 41)

Symptom	Possible reason	Corrective action
Audio is output, but not DVD video. (With vehicle stopped.)	The parking brake has not be set.	Set the parking brake.
Neither video nor audio is output.	The vehicle ignition switch has not been turned on.	Turn the vehicle ignition switch to [ACC] or [ON].
	The connection cord is not completely connected.	Check the connections to each connection cord.
There is a point of light on the display.	At least 99. 99% of the pixels on the LCD panel are effective, but it is possible that 0. 01% of the pixels may not light or may stay lighted.	This is not a defect, so please use the deck in this condition.
The Audio screen is distorted by electrical noise.	Are electrical devices that generate electrical noise being used in the vicinity of the unit? For example, devices generating high voltage (such as those that generate negative icons) or high frequency electromagnetic waves (cell phones or two-way radios)	Use such equipment as far away from the unit as possible. If such equipment continues to affect the unit, even from a distance, refrain from using such equipment while the unit is in operation.

2. Other

Products equipped with Dolby Digital

Manufactured under license from Dolby Laboratories.

"Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

Confidential Unpublished Works. ©1992-1997 Dolby Laboratories, Inc. All rights reserved.

Manufactured under license from Dolby Laboratories, Inc.

Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Confidential Unpublished Works. ©1992-1997 Dolby Laboratories, Inc. All rights reserved.

Products equipped with Macrovision

This unit includes copyright protection technology used in accordance with US patents and other intellectual property rights owned by Macrovision Corporation and other entities. Use of this copyright protection technology requires approval from Macrovision Corporation and the technology must not be used for audiovisual purposes aside from general household use without special approval from Macrovision Corporation. Modification and disassembly of this technology is prohibited.

3. Glossary

CD-R
(Compact Disc Recordable)
This is a disc that can only be recorded once. Recorded data cannot be deleted. There are two types of CD-R, one having a capacity of 650MB (74 minutes of music), the same as a regular CD, and the other having a capacity of 700MB (80 minutes of music).

CD-DA
(Compact Disc Digital Audio)
This disc is the standard for recording and playing of music data. One track is recorded with one song, and a maximum of 74 minutes can be used with the CD.

CD-RW
(Compact Disc ReWritable)
This disc uses a phase transformation method that enables recording and deleting of data as many times needed. The capacity is 700MB (80 minutes of music).

EQ (Equalizer)
This enables setting of emphasis on certain sounds in the bass-treble range to achieve the preferred tonal profile. Levels can be adjusted to personal preference, enhancing enjoyment of the music.

MP3
(MPEG-1 Audio Layer-3)
MP3 stands for MPEG Audio Layer III, the standard format for audio compression technology. MP3 can compress files to one-tenth the original size because they compress inaudible sounds found in areas of the spectrum beyond human hearing.

LPCM
(Linear PCM)
This is an abbreviation for Linear Pulse Code Modulation, a signal recording method used with music CDs. A music CD is recorded at 44.1kHz/16 bit, but a DVD is recorded at 48kHz/16 bit ~ 96kHz/24 bit, enabling a DVD to be played with higher sound quality than a music CD.

MPEG
This is an abbreviation for Moving Picture Experts Group and is pronounced “empeg”. It is the international standard for moving image compression. With DVDs, this method is also used to compress and record digital audio.

Copy Control CD
This is a CD that has controls for preventing computers from copying and ripping (taking audio information recorded on a compact disc and using it as data to create a file).

UDF
(Universal Disc Format)
This is one format for use with optical discs not reliant on the OS. It is used with media such as DVD and CD-RW.

Continue to the next page

Glossary

Track

The single division for a song on a music CD is called a track.

SCMS (Serial Copy Management System)

With digital recording, the deterioration of audio quality is very low. Therefore digital recording equipment regulates, for the sake of copyright protection, the using of a sound source copied using a digital signal to be used to make further copies of the same data. This is what SCMS (Serial Copy Management System) does.

Gracenote CDDB

CDDB is a registered trademark of Gracenote. The logos and logotypes of Gracenote, Gracenote CDDB, and “Powered by Gracenote CDDB” are trademarks of Gracenote. Music Recognition Service and MRS are service marks of Gracenote.
Music recognition technology and related data provided by Gracenote and the Gracenote CDDB Music Service. Gracenote is the industry standard for music recognition technology and relevant content delivery.

For more detail, see www.gracenote.com.

Viewing Restriction

This is a DVD video function that “Restricts playing of discs that support viewing restrictions, in accordance with the regulated levels of each country.” Restrictions differ by DVD video and may completely prevent playing of the video or may skip or insert alternate scenes for extreme scenes.

Title

This is the largest unit for divisions of video or songs recorded on a DVD video. Usually a single movie is treated as a title by video software and a single album (or song) is treated as a single title by music software. The consecutive numbers attached to titles are called title numbers.

Chapter

This is a unit for divisions of video or songs recorded on a DVD video, but it is a smaller unit than a title. A single title is made up of several chapters, and the consecutive numbers attached to chapters are called chapter numbers.

Multi-Angle

This is one feature of DVD video, where viewpoints of the same scene are changed by recording from several different angles (camera positions), allowing the viewer to select the preferred angle.

Multi-Language

This is one feature of DVD video, where the same scene is recorded with several different languages and subtitles, allowing the viewer to select the preferred language.

Region code

(Region code)

DVD players and DVD discs have a region code that enables playing by geographic marketing regions, and a disc cannot be played if the number recorded on the disc is not included in the region codes of the player. See page xx for details on region codes.

4. Using Gracenote CDDB

By using this product you agree to be bound by the following terms of use.

This product contains technology and data provided by Gracenote of Berkeley, CA. Gracenote technology ("Gracenote Embedded Software") enables disc recognition as well as retrieval of music information such as name, artist, track and title ("Gracenote Data"). This technology is incorporated in "Gracenote Database".

- You will not use Gracenote Data, Gracenote Database and Gracenote Embedded Software except for personal and non-commercial purposes.
- You will only access Gracenote Data using standard end-user functions and the functions of this product.
- You will not assign, copy, or transfer Gracenote Embedded Software or Gracenote Data to any third party.
- You will not use or apply Gracenote Data, Gracenote Database, or Gracenote Embedded Software for any purpose not expressly permitted herein.
- In the event that you violate any of the these restrictions, your non exclusive license to use Gracenote Data, Gracenote Database, and Gracenote Embedded Software will be terminated. In the event that your license is terminated, you will cease all use of Gracenote Data and Gracenote Database.
- Gracenote retains all rights pertaining to Gracenote Data, Gracenote Database, and Gracenote Embedded Software, including but not limited to property rights.
- Gracenote can, in it's own name, on the basis of this agreement, fully exercise its rights against any offending user.

You are hereby licensed to use Gracenote Embedded Software and Gracenote Data. Gracenote hereby disclaims all warranties and statements, express or implied, with regard to the truth of Gracenote Data accuracy. Gracenote can modify data categories or delete data in the event that Gracenote has judged items to represent a clear problem or that an update is required. Gracenote does not guarantee that Gracenote Embedded Software is free of errors nor does it guarantee that Gracenote Embedded Software functions will be uninterrupted. Gracenote bears no obligation to provide you with any new extensions of, or additions to, available data types. Nor does Gracenote bear any obligation to provide you with any categories offered in the future.

Gracenote makes no warranty whatsoever, whether express or implied, including but not limited to implied warranties of merchantability, fitness for a particular purpose and non infringement of rights. Gracenote makes no warranty regarding the results obtained by using Gracenote Component or any Gracenote Server. Gracenote does not, under any circumstances, accept responsibility for damage, be it consequential or incidental in nature, nor does Gracenote accept responsibility for lost benefit or income.

5. Topic index

About screen and sound adjustment

[Regarding screen adjustment]

■ To make the audio operation screen or VTR screen easier to see

"Displaying the image adjustment screen" P40

■ To turn off the screen

"Turning the screen off" P41

■ To change the wallpaper

"Setting the wallpaper" P38

■ To set the screen to wide mode

"Switching screen mode" P42

[Regarding audio adjustment]

■ To change the volume

"Adjusting the main volume" P27

■ To turn on/off the guide tone used at switch operation

"Setting the BEEP tone" P27

■ To adjust sound quality

● To simulate Multichannel

"Setting Circle Surround II" P30

● To change the acoustic environment of a performance

"Setting DSP (acoustics)" P31

● To adjust high and low sounds

"Adjusting EQ (equalizer)" P32

● To switch the sound image localization to match the position of passengers

"Adjusting POS (Positioning selector)" P34

● To adjust the left/right/front/rear balance

"Setting the balance" P35

Continue to the next page

Topic index

● To adjust the MP3 sound

"Setting the harmonizer" P37

● To add sharpness when listening at low/high volumes

"Setting LOUDNESS" P36

● To change the sub woofer settings

"Setting sub woofer" P36

About using AM/FM radio

■ To play the radio

"Listening to the AM/FM radio" P44

■ To search for a radio station

"Selecting radio stations" P45

■ To save radio stations

"Saving radio stations" P46

About using the CD player and CD changer

■ To play a CD

"Listening to a CD" P49

■ To select a song or CD

"Selecting a track" P50

"Selecting a CD" P64

■ When you don't know a song number or on what CD a song is located

"Searching for a track" P50

"Searching for a track or CD from all CDs in the changer" P65

■ To repeat the song or CD currently being played

"Repeating a track" P50

"Repeating a track or CD" P65

■ To play songs in a different order

"Playing tracks in random order" P51, 66

■ To fast-forward or rewind

"Fast-forwarding/rewinding" P50

About using the MP3 player

■ To play an MP3 file

"Playing MP3" P53

■ To select a music file or folder to listen to

"Selecting a music file" P53

■ When you want to return to a level or don't know the current level

"Changing display of the current level" P54

■ To search for a music file

"Searching for a music file" P54

■ To repeat the same music file

"Repeating the same music file" P55

■ To play songs in a different order

"Playing music files in random order" P55

■ To change the file information

"About display of file information" P56

■ To learn about MP3

"About MP3s" P57

■ To learn about making MP3 files

"Making and playing MP3 files" P60

About using the Memory Stick player

■ To listen to Memory Stick data

"Listening to Memory Stick data" P61

■ To select a song

"Selecting a track" P62

■ To search for a song

"Searching for a track" P62

■ To repeat the current song

"Repeating a track" P62

■ To play songs in a different order

"Playing tracks in random order" P63

Topic index

About using MUSIC JUKE

■ To listen to MUSIC JUKE

"To listen to MUSIC JUKE" P83

■ To learn about MUSIC JUKE

"Description of MUSIC JUKE" P67

"About the structure of MUSIC JUKE" P67

■ To learn about recording

"About recording with MUSIC JUKE" P76

"Notes regarding recording" P76

● To learn about recording possible in Audio mode

"About sources and recording styles that allow recording" P76

● To switch recording settings

"Setting recording method" P78

■ To learn about databases

"About databases" P69

■ To learn about Auto-titling

"About Auto-titling" P70

■ To update the title database

"About updating the database" P73

■ To display the hard disc capacity

"Checking hard disc capacity" P74

■ To record in MUSIC JUKE

● To automatically record a CD album

"Automatically recording a CD during playback" P81

● To start recording during CD playback

"Recording preferred tracks (songs) from a CD" P82

● To record from other audio modes

"Recording from sources other than a CD" P82

■ To edit a playlist

● To create a new playlist

"Creating a playlist" P90

● To add a new artist to a list

"Changing the artist" P105

● To edit a playlist you already created

"Editing a playlist name" P93

● To delete a playlist

"Deleting a playlist" P99

● To reorder playlists/tracks

"Switching playlist order" P97

■ To edit a track (song)

● To add a track (song) to a playlist you already created

"Adding a track" P101

● To edit an already recorded track (song)

"Editing track information" P103

● To delete a track (song)

"Deleting a track" P107

● To update information

"Retrieving title information from the database" P95

■ To select a track (song)

"Selecting with track selection (track start point) button" P84
"Selecting with Play mode/Playlist change switch" P85

■ To search for a track (song)

"Searching for a track (song) from a playlist" P87
"Searching for a playlist from a play mode" P87

■ To repeat the playlist or track (song) currently being played

"Repeating the current track" P88
"Repeating the current playlist" P88

■ To play songs in a different order

"Play tracks in current playlist in random order" P88
"Playing all tracks recorded in MUSIC JUKE in random order" P88

Topic index

About using the DVD player

■ To play a DVD video

"Watching a DVD" P114

■ To learn about discs

● To learn about the marks displayed on discs and packages

"About marks displayed on discs" P111

● To learn about discs that can be played

"About playable discs" P110

● To learn about disc structures

"About DVD disc structures" P112

■ To operate the menu recorded on a disc

"Operating the disc menu" P117

■ To operate the video being played

"Operating the video" P115

■ To select/search for a video

"Searching by chapter" P118
"Searching by title number" P118
"Searching by menu number" P119

■ To change the display of touch switches

"Changing the touch switch display locations" P120

■ To change subtitles, audio or the video angle

"Changing the angle" P121
"Switching subtitle language" P122
"Switching dubbed audio language" P123

■ To set the player

"Setting the audio language" P125
"Subtitle language setting" P126
"Menu language setting" P127
"Setting display of multi-angle mark (angle selection mark)" P128
"Viewer restriction setting" P129
"Changing video output" P130

■ To use the VTR

"How to use the VTR" P132

When something isn't clear

■ When you don't understand a screen message

"If one of these messages appears" P141

■ When you think the deck may have a problem

"Before asking for repairs" P144

6. Index

A

Adjusting the main volume 27
Adjusting sound quality 28
ANGLE 121
AUTO.P 46

B

BRIGHT 42

C

CD-R (CD-Recordable) 19
CD-RW (CD-ReWritable) 19
Circle Surround II 30
COLOR 42
CONT 24
CONTRAST 42

D

Daytime display 40
DISC RAND 66
DISC RPT 65
DISC SCAN 65
DSP 31

E

Editing a playlist 90
Editing a track 101

H

HOME 54
How to use the card remote control 134
How to use the AM/FM radio 44
How to use the CD changer 64
How to use the CD player 49
How to use the DVD player 114
How to use the Memory Stick player 61
How to use the MP3 player 52
How to use MUSIC JUKE 83
How to use the VTR 132

M

Multi-angle mark 121

N

Nighttime display 40
NORMAL mode 43

P

POS (position selector) 34

R

RAND 51, 55, 63, 66, 88
RPT 50, 55, 62, 65, 88

S

Saving radio stations 46
SCAN 50, 54, 62, 65, 87
Setting LOUDNESS 36
Setting the BEEP tone 27
Switching dubbed audio language 123
Switching subtitle languages 122

T

TINT 42
Turning the screen off 41

V

Volume balance 35
VOLUME button 27

W

Wallpaper (background) 38
WIDE 1 mode 43
WIDE 2 mode 43
WIDE 3 mode 43
Woofer 36

MEMO

MEMO

This device complies with part 15
of the FCC Rules. Operation is subject
to the condition that this device
does not cause harmful interference.

CUSTOMER NOTICE

Please retain this booklet and write in the serial number of your AVN5495 for identification.
The serial number is labeled or stamped on the chassis.

Serial No.

FUJITSU TEN LIMITED

Contact:FUJITSU TEN CORP. OF AMERICA
19600 So. Vermont Avenue, Torrance, CA 90502
Call:1-800-55-ECLIPSE(Dealer Locator)
:1-800-233-2216(Information)

www.eclipse-web.com

090002-27800700 0503C(N)