2008 Brochure (SPRING Vol.1)

ECLIPSE

2008 Mobile Entertainment Brochure

FUJITSU TEN

Making driving a pleasure

The gap between a true specialist mobile electronics manufacturer and others widens as technologies continue to evolve. ECLIPSE products are created and perfected using all the considerable resources only a comprehensive manufacturer can tap. Proprietary research and development, manufacturing, evaluating and testing at every stage are what differentiates the brand and sets it apart. ECLIPSE products enhance the driving experience like no other. See exactly how we do it in the following pages.

Introduction 2

AVN Series 4

CD Receivers 8

Accessories 12

Amplifiers 14

Speakers 18

Features & Specifications 24

AVN – getting there is more fun.

The source for quality mobile entertainment and navigation

AVN

AUDIO VISUAL NAVIGATION

AVN6620 NEW

DVD Navigation System with 7˝Wide TFT Display and Dual DVD Multi-Source Receiver

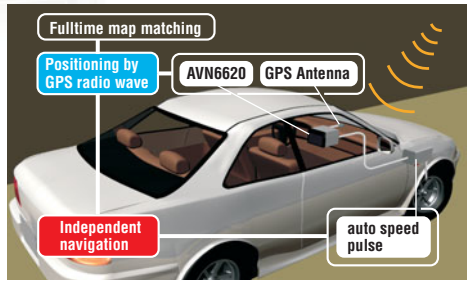
7˝wide display | DVD Video | CD/CD-R/CD-RW | MP3/WMA | Traffic Information -ready | SAT Radio-ready | Parrot Bluetooth® -ready | iPod® Full control -ready

Factory-fit widescreen

Gracing any compatible console with a perfect fit creates a factory-fit look and the sleek design enhances car interiors. The wider 7˝screen size allows large, easy-to-see icons for operation.

Precise navigation

Equipped with a speed sensor and gyro control for uninterrupted navigation.



Music, video and more

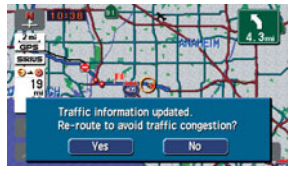
Versatile input/outputs allow system expansion for various program sources that entertain everyone in the vehicle. A sliding front panel reveals twin DVD slots for movies and music. The AVN6620 also provides full iPod® controls through an on-screen display. Add even more sources of music with XM/SIRIUS satellite radio receiving options.

*iPod video is unsupported.

Search for destinations the way you want

11 separate search modes make sure you get to your destination.

- Address Search
- Map Search
- Freeway Search
- Emergency
- POI Name
- Intersection Search
- Memory Points
- Previous Points
- Coordinates Search
- Quick Access Point
- Home Search



SIRIUS Traffic

Using the SIR-ECL2nt option allows realtime onscreen traffic conditions, congestion, open streets and other useful driving information to complement AVN navigation and reduce driving stress.

Dual play for simultaneous navigation and entertainment options

The AVN6620 features 2 DVD decks (1 for navigation) that allow simultaneous rear seat entertainment for passengers to enjoy as well as navigation. Dual play provides independent front and rear entertainment options.

Assists driving

The AVN6620's navigation directions are conveniently heard through the car speakers so the driver can always keep eyes on the road and not on the screen. Views from optional front view and back view cameras are also seen onscreen, helping the driver out of tight spots. The AVN6620's emergency search function will provide detailed information for police and hospitals in emergency situations.

• DVD Navigation • 7˝wide display • Touch control • approx. 8.76 million POIs • City map • Traffic Information • DVD Video • Dual zone operation • Multiple search modes • Split screen displays in navigation • Map scale from 150 feet to 250 miles • Time zone (4 areas) • Voice guidance in English, French and Spanish • 50W × 4 • Circle Surround II • FM/AM • Advanced 24-bit ΔΣ DAC • 7-band PEQ • Crossover • Listening Position Selector • 5V preamp output • AV output for rear monitor • AV input • Accessories : CD Changer (2 units), TV Tuner, XM Satellite Radio Tuner, SIRIUS Satellite Radio Tuner, SIRIUS Traffic Radio Tuner, HD Radio Tuner, Rear view camera, Side view camera, TEL Mute, Parrot Bluetooth®, Full iPod® control • ESN(Key CD security)

5V PRE-OUT ESN WMA MP3 DVD VIDEO DOLBY DIGITAL SRS Circle Surround II HD Radio READY SAT RADIO READY

Full-featured navigation and entertainment in a compact configuration

AVN7000

HDD Navigation System with 7″ Wide TFT Display and DVD/MS Multi-Source Receiver

20GB 1.8″HDD	7″wide display	DVD Video	CD/CD-R/CD-RW
MP3/WMA/ATRAC3	SIRIUS Satellite Radio-ready	5.1ch. SOUND (option)	Time alignment
Crossover	7-band PEQ	iPod® control-ready	Twin Security

A benchmark head unit that shows ECLIPSE is capable of installing an amazing list of features in a compact single-DIN and also achieving outstanding performance for each separate feature.

DCU105

5.1ch. Decoder/AV Matrix Unit

Allows full theater surround sound from surround-encoded material and also upmixes 2-channel material to surround. Expands connectivity and flexible system routing.

• 20GB 1.8″HDD • 7″wide display • Touch control • over 32,000 map colors • approx. 4 million POIs • Multiple search modes • Split screen displays in navigation • Map scale from 150 feet to 250 miles • Time zone (7 areas including Hawaii) • Voice guidance in English and French • DVD Video • Dual zone operation • MOSFET 50W × 4 • 5.1 ch. SOUND (option) • E-iSERV connectivity (option) • Dual color illumination • FM/AM • Advanced 24-bit ΔΣ DAC • 7-band PEQ • Time alignment • Crossover • Listening Position Selector • Memory Stick DUO • MS ESN security • Detachable front panel • 5V preamp output (with DCU105) • AV output for rear monitor • AV input • Accessories: CD Changer (up to 2 units), TV Tuner, SIRIUS Satellite Radio Tuner, HD Radio Tuner, Rear view camera, Side view camera*1, TEL Mute, iPod®control*2, MDV-087D navigation update for HDD

*1: Operation requires CAB106 Power Supply.
*2: Some operations may be limited. Please refer to all control details on p28.

HDD-navigation and a 3,000-track Music Juke feature

AVN5495

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

30GB HDD	6.5″wide display	DVD Video	CD/CD-R/CD-RW
MP3	SIRIUS Satellite Radio-ready	3,000 track Music Juke	iPod® control-ready

Capably satisfying navigation requirements as well as in-car music demands, this head unit boasts a Music Juke feature that stores up to 3,000 tracks, making it a perennial favorite head unit.

• 30GB HDD • 6.5″wide display • Touch control • approx. 3 million POIs • Multiple search modes • Split screen displays in navigation • Map scale from 150 feet to 250 miles • Time zone (5 areas including Hawaii) • Voice guidance in English and French • DVD Video • 50W × 4 • 3,000 track Music Juke • CDDB-enabled • Circle Surround II • FM/AM • Advanced 24-bit ΔΣ DAC • 5-mode acoustic control • 9-band GEQ • Listening Position Selector • Memory Stick • MS ESN security • 5V preamp output • Video output for rear monitor • AV input • Accessories: CD Changer (up to 2 units), SIRIUS Satellite Radio Tuner, HD Radio Tuner, Rear view camera, Side view camera*1, iPod®control*2, MDV-085D navigation update for HDD

*1: Operation requires CAB106 Power Supply.
*2: Some operations may be limited. Please refer to all control details on p28.

Entertainment integrates with portable navigation

AVN2210p mkII NEW

In-Dash Portable Navigation with CD/USB Multi-Source Receiver

Detachable TomTom PND | CD/CD-R/CD-RW | MP3(CD/USB) | WMA(CD)
Built-in Bluetooth® | iPod® Full control -ready | USB Connection | SAT Radio-ready

TOMTOM

Innovative solution delivers more possibilities

Takes portable navigation to a whole new place by combining a detachable, advanced navigation screen with an ECLIPSE receiver that delivers high-quality multi-format audio. Includes a Travel Kit that facilitates optimal use of the detachable navigation screen in other cars.

TRK-107p

Navigation optimized

With a smart factory-fit appearance that eliminates dashboard and console clutter, the AVN2210p mkII is also effective when used out of the car. Its navigation screen works to provide the best routes and allows accessing TomTom PLUS's enhanced services and content.

Traffic

Voices

Points of Interest

Weather

More advantages

Bluetooth® wireless technology is built-in so a headset is not required.

Full iPod® control* as well as USB connectivity expands music listening choices.

ECLIPSE uses a high standard of components including custom Elna capacitors, premium resistors, and gold-plated connectors.

• Detachable TomTom Navigation • Factory-fit in-dash appearance • Spoken instructions from car speaker • Touch control • Choose preferred route • Multi-language selection • 4-direction, Rotary & Push Knob • 8-digit LCD • 3.5inch TFT Monitor • Built-in Bluetooth® wireless technology for hands-free operation • USB connection • TomTom PLUS services • USB Interface • Automatic night mode illumination • 5V PRE-OUT • Multiformat-capable (CD, CD-R/RW, MP3 and WMA) • Separate Bass/Mid/Treble controls • Source Volume Control • Crossover (low pass filter) • 50W × 4
• Accessories: XM Satellite Radio Tuner, SIRIUS Satellite Radio Tuner, Full iPod® control, AUX input, Travel Kit

5V PRE-OUT WMA MP3 Bluetooth® SAT RADIO READY USB

*iPod® use requires a separately available connecting cable.
*iPod® video is unsupported.

The sound and looks for a winning combination

Great sound begins with good basics

DESIGN & ENGINEERING SHOWCASE HONORS INNOVATIONS INTERNATIONAL CES 2008

CD7200 mkII NEW

CD/USB Multi-Source Tuner with Bluetooth® wireless technology

w/o amplifier | 8V High voltage | Built-in Bluetooth® | iPod® Full control -ready | USB Connection | SAT Radio-ready | VF Display | w/ Remote | Advanced DSP | 6-pattern illumination | Twin Security

Basics done right

The CD7200 mkII takes solid audio basics and refined circuits for a product that meets rigorous audio demands for high sound and perfectionist build qualities. These include the copper-plated chassis to minimize noise and stray electrical interference as well as gold-plated RCA pins for maximum electrical signal integrity.

To ensure the best possible sound quality and to allow using an amplifier of choice, the CD7200 mkII does not contain any power circuitry and provides only dedicated preamp level outputs.

24-bit DSP

At the heart of the CD7200 mkII is a 24-bit DSP that takes care of various audio processing tasks including unit input level and precision EQ settings. ECLIPSE makes sure its no-compromise audio technologies deliver extraordinary audio performance.

Audio parameter customizing online using E-iSERV

Detailed audio parameters can be set online using E-iSERV as well as creating personalized animated wallpapers for the display screen.

Bluetooth® wireless technology built-in

Bluetooth® wireless technology is a lot more convenient when calls do not require a headset. Phonebook functions are easily accessible through the unit. Sound quality for incoming calls improves since calls are heard through the car's speaker system.

Bluetooth®

High performance component design

Designed to complement the finest power amplifiers, the CD7200 mkII delivers a high 8V output to 3 pairs of output connectors to easily create a no-compromise multi-amp system.

Expansion as needed

The CD7200 mkII makes it easy to enjoy music stored on any popular device whether iPod®, USB memory device or other personal music player as it plays back with the system's high sound quality.

Illuminated patterns

Select the pattern that best suits a particular car's interior or your own preferences from 6 choices.

Blue / Red | Blue / Green | Blue / Amber | All red | All green | All amber

• No power amplification • Copper-plated chassis • Gold-plated RCA pins • Built-in Bluetooth® wireless technology • USB Connection • Fulldot VF display • E-iSERV connectivity • 11-band / 7-band PEQ • Time alignment • Crossover • Circle Surround II • Multi Harmonizer • 8V Pre-Out • 6-pattern illumination • Remote Control • E-LAN data link system • AUX Input
• Accessories: 1 AUX Input, Full iPod® control, XM Satellite Radio Tuner, SIRIUS Satellite Radio Tuner, HD Radio Tuner, CD Changer (up to 2 units) • Detachable Front Panel/ESN(Key CD Security)

8V PRE-OUT | E-iSERV | ESN | WMA | MP3 | Bluetooth® | COMPACT DISC DIGITAL AUDIO TEXT | SRS Circle Surround II | HD Radio READY | SAT RADIO READY | USB

Solid performance with a full feature set

CD3200 NEW

CD/USB Multi-Source Receiver with Bluetooth® wireless technology

MOSFET 50W × 4 | 5V High voltage | VF Display | Built-in Bluetooth® | iPod® Full control -ready | USB Connection | SAT Radio-ready | w/ Remote | 3-band PEQ | 6-pattern illumination | Twin Security

Concentrates on music features with performance that exceeds others in its class.

• Built-in Bluetooth® wireless technology • USB Connection • Fulldot VF display • E-iSERV connectivity • MOSFET 50W × 4 • 3-band PEQ • Crossover • 5V Pre-Out • 6-pattern illumination • Twin Security System • Remote Control • E-LAN data link system • AUX Input • Accessories: 1 AUX Input, Full iPod® control, XM Satellite Radio Tuner, SIRIUS Satellite Radio Tuner, HD Radio Tuner, CD Changer (up to 2 units) • Detachable Front Panel/ESN(Key CD Security)

5V PRE-OUT · ESN · WMA · MP3 · Bluetooth® · COMPACT DISC DIGITAL AUDIO TEXT · HD Radio READY · SAT RADIO READY · USB

Extraordinary performance value

CD1200 NEW

CD/USB Multi-Source Receiver

40W × 4 | iPod® Direct cable* | USB Connection | 3-band EQ | Red/Green switchable illumination | Detachable Front Panel

Switched to green illumination

The basics have never been better executed, allowing the CD1200 to equal premium units for sound.

• USB Connection • 40W × 4 • 3-band EQ • Remote Control-ready • AUX Input • Options: Full iPod® control • Detachable Front Panel • Red/Green switchable illumination

WMA · MP3 · COMPACT DISC DIGITAL AUDIO TEXT · USB

* full control, no interface needed.

The most entertainment in the least space

AVX5000

DVD/MS Muliti-Source Receiver with 7˝ Wide TFT Display

MOSFET 50W × 4	7˝wide display	DVD Video	CD/CD-R/CD-RW
MP3/WMA/ATRAC3	SIRIUS Satellite Radio-ready	5.1 ch. Decoder	Time alignment
Crossover	7-band PEQ	iPod® control-ready*1	Twin Security

Master performance

Whatever the format, the AVX5000 continues to deliver exceptional performance values in a slim, good-looking design for a stylish factory-fit appearance that graces any car. Program material on DVDs and CDs are all accommodated. It's easy to enjoy genuine surround sound features and functions when the compact DCU105 Audio Video Matrix is utilized. This option also adds versatile signal routing capabilities to create independent front/rear entertainment zones as well as more sophisticated speaker time alignment and crossover parameter control.

Mapping/routing assistance

Map displays and routing can be downloaded from ECLIPSE's E-iSERV and used in the AVX5000. An onscreen moving car location is possible when the GPS105 option is used.

Versatile signal processing ensures best sound

Powerful processing offers maximum control over the system's response through a 7-band parametric equalizer, speaker time alignment adjustment and low frequency crossover setting for ideal subwoofer/system integration and bandwidth extension.

Audio parameter customizing online using E-iSERV

DCU105 Audio Video Matrix

Adding the optional DCU105 transforms a front 3-way system to a full theater-level 5.1 ch. surround system.

DCU105

5.1ch. Decoder/AV Matrix Unit

Dimensions (W × H × D)
6-15/16˝ × 1-7/16˝ × 6-5/16˝ 175 × 36.5 × 160mm
(for AVN7000, AVX5000)

Time Alignment Pro

Synchronizes all speaker sound arrival times at listener.

Crossover Pro

Optimizes speaker to speaker transitions for a smoother system response.

• 7˝ wide display • Touch control • MOSFET 50W × 4 • 5.1 ch. SOUND (option) • E-iSERV connectivity (option) • Dual color illumination • FM/AM • Advanced 24-bit ΔΣ DAC • 7-band PEQ • Time alignment • Crossover • Listening Position Selector • Memory Stick DUO • MS ESN security • Detachable front panel • 5V preamp output (with DCU105) • AV output for rear monitor • AV input • Accessories: CD Changer (up to 2 units) , TV Tuner, SIRIUS Satellite Radio Tuner, HD Radio Tuner, Rear view camera, Side view camera*2, iPod®control*1

*1: Some operations may be limited. Please refer to all control details on p28.
*2: Operation requires CAB106 Power Supply.

Digital radio options

SIR-ECL2nt
ECLIPSE COMPATIBLE
SIRIUS SATELLITE RADIO TUNER

For instant realtime traffic information with the AVN6620

Dimensions (W × H × D)
5-7/16″ × 1-7/16″ × 4-3/16″ (126 × 35 × 105mm)

ECL-SC1 NEW
SIRIUS SATELLITE RADIO INTERFACE

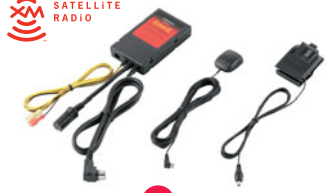
To be used in conjunction with the SC-C1 for receiving satellite broadcast content.
Use with: AVN7000, AVN5495, AVN6620, AVN2210p mkII, AVX5000, CD7200 mkII, CD3200

Dimensions (W × H × D)
4-15/16″ × 1-7/16″ × 4-3/16″ (125 × 35 × 105mm)

HDR105
HD Radio Tuner Unit

For terrestrial digital radio broadcast content.
Use with: AVN7000, AVN5495, AVN6620, AVX5000, CD7200 mkII, CD3200

Dimensions (W × H × D)
6-15/16″ × 1-7/16″ × 6-5/16″ (175 × 36.5 × 160mm)



XM Tuner NEW
***not an ECLIPSE product**

This option from Audiovox allows receiving XM satellite radio broadcasts. A separate cable is required.

Note: for details about this product, please consult your dealer.

Dimensions (W × H × D)
5-7/16″ × 1-7/16″ × 4-3/16″ (126 × 35 × 105mm)

Interface Adapter for iPod®

iPod® full control: AVN6620, CD7200 mkII and CD3200

iPC-008 NEW
Direct Cable for iPod® for CD Receiver

For connecting an iPod® to specific ECLIPSE headunits to integrate an iPod's contents and controls with the car's system.
Use with the CD1200

iPC-107p/007
Direct Cable for iPod®

For connecting an iPod® to specific ECLIPSE headunits to integrate an iPod's contents and controls with the car's system.
Use with the AVN2210p mkII

Note: 007 cable will not charge the iPod®.

iPC-106
Interface Adapter for iPod®

For connecting an iPod® to specific ECLIPSE headunits to integrate an iPod's contents and controls with the car's system.
Use with: AVN7000, AVN5495, AVN6620, AVX5000, CD7200 mkII, CD3200

Dimensions (W × H × D)
4-11/16″ × 1-5/16″ × 3-9/16″ (120 × 32 × 90mm)

See p. 28 for details.

AV Matrix Unit

DCU105
5.1ch. Decoder/AV Matrix Unit

Use with: AVN7000, AVX5000

Dimensions (W × H × D)
6-15/16″ × 1-7/16″ × 6-5/16″ 175 × 36.5 × 160mm

For expanding entertainment options

MRE-700
7″ Widescreen Monitor

Delivers stunning quality for rear sear entertainment, with automatic dimming and built-in speaker.

Dimensions (W × H × D)
6-3/4″ × 1-1/16″ × 4-9/16″ (171.5 × 25.5 × 115.1mm)

MRE-700W
7″ Widescreen Monitor Package

All components and hardware to assemble and configure a rear seat entertainment system.

Includes: MRE-700 × 2, RAS-100 (AV Matrix), dedicated wireless remote control.

WHP-100
Wireless Headphones

Useful for enjoying independent rear seat entertainment. Works on 2 different frequencies.

E505CSP
Center Speaker with Power Amplifier

Enhance surround sound center channel output with this unobtrusive powered speaker.

TVR105
TV Tuner Unit

For enjoying terrestrial TV broadcasts with select ECLIPSE headunits.
Use with: AVN7000, AVN6620, AVX5000

Consumer warning: Analog TV broadcasting will be discontinued as of 2/17/2009. From this date all broadcasting will be digital.

Dimensions (W × H × D): 5-15/16″ × 1-3/16″ × 4-3/16″ (150 × 30 × 105.2mm)

BT-E600
Hands-Free Car Kits
Parrot Bluetooth®

Allows hands-free operation with AVN6620

MDV-08D NEW
2008 Version Update Navigation Disc

For: AVN2454, AVN5435, AVN6600 and AVN5500

MDV-78D NEW
2008 Version Update Navigation Disc

For: AVN6610 and AVN5510

MDV-08D/78D data compiled as of December 2006. POI category now increased to 8.76 million points and City Maps* cover more areas.

*For City Map coverage details please go to the ECLIPSE website.

MDV-087H NEW
2008 Version Update Navi Hard Disc

For: AVN7000

MDV-085H NEW
2008 Version Update Navi Hard Disc

For: AVN5495

MDV-087D/085D data compiled as of December 2006.

Note: Please consult your dealer regarding hard disk navigation update procedures.

Cassette Tuner

4502
ESN E5 Cassette Tuner with CDC/DSP Control and Remote

A cassette-based music library can still return significant musical enjoyment when played on this dedicated unit which also connects to an ECLIPSE CD Changer to allow CD listening as well.

- DSP EQ
- Full logic Hybrideck tape mechanism
- FM/AM tuner
- Large 13-segment LCD
- 5V preamp output with low 55Ω impedance
- 3 prs. pre outputs
- CD Changer-ready (2 units)
- E-LAN data link system
- ESN security with CD changer

Equalizers

EQ 1000
5-Band Graphic/1-Band Parametric Equalizer/Crossover

Versatile unit for achieving a smooth, well-integrated speaker response over the full frequency bandwidth.

- Master gain and defeat switch
- Input level and selector
- Front/rear fader
- 5-band Graphic EQ
- Low frequency-dedicated
- 1-band Parametric EQ
- Subsonic and low/high pass filters
- Dedicated subwoofer crossover control
- Adjustable 0 to 4 second turn-on delay protection

CD Changer

CH3083
8-Disc CD Changer with Magazine Unit

Whether holding up to 8 CDs or CD-R/RW discs, this unit offers the easiest way to significantly increase an in-car music library.

- CD and CD-R/RW discs
- 8 disc magazine
- Coaxial digital output
- Multiple unit connectivity (up to 2 units)
- Precision optical pickup
- "No disc contact" transport
- Reinforced high-rigidity chassis

GPS unit

GPS 105
GPS Unit

Allows Area Shot to achieve the best performance with its features when connected to the AVX5000.

Dimensions (W × H × D)
6-15/16″ × 1-7/16″ × 6-5/16″ (175 × 36.5 × 160mm)

Travel Kit

TRK-107p
Travel Kit

All the most useful options for getting the most from the AVN2210p mkII.

For more driving assistance

BEC 106
Rear View Camera

The BEC106 optional rear camera can be connected to the AVN units to facilitate parking.

Note: Using the BEC106 alone does not require the CAB106 Power Supply for Camera.

FEC 106
Side View Camera

Front-mount camera that scans the sides as well as the front of the vehicle. Easily mounts behind the grille. Requires CAB106 Power Supply for Camera to be used.

Note: Using the BEC106 together with the FEC106 also requires the CAB106 Power Supply for Camera.

CAB 106
Power Supply for Camera

MEI-100
Pro Tuning Microphone

Measures system response to help optimize system frequency response.

Optional for: CD7200 mkII

RRC 106
Remote Control for Rear Seat Entertainment

This remote is for use with dual play to control the rear monitor.

Optional for: AVN6620

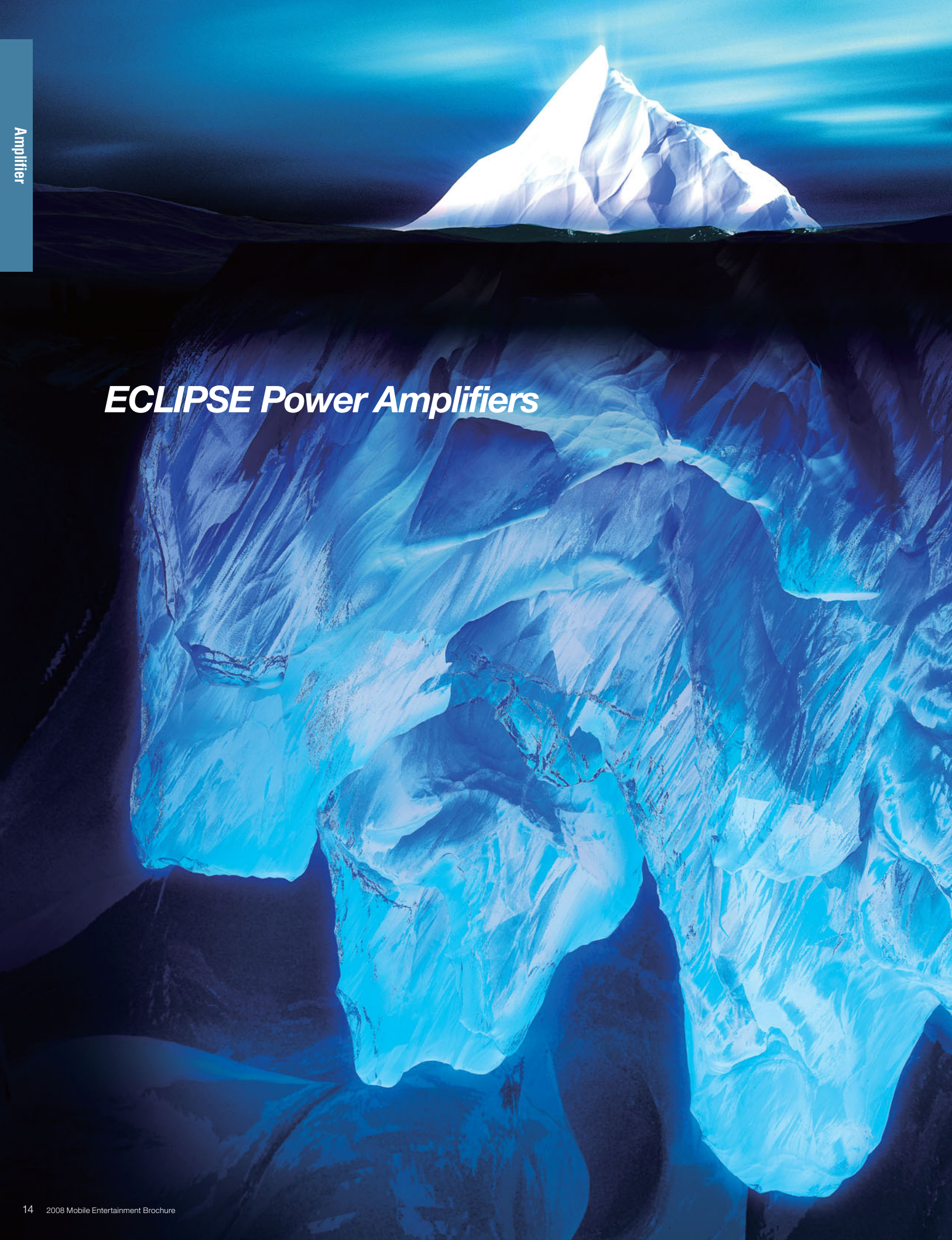
RMC 105
Wireless Remote

This remote is for controlling the audio functions of the head unit.

Optional for: AVN6620, CD1200

AUX 105
AUX CORD

Works with AVN2210p mkII, CD7200 mkII and CD3200.

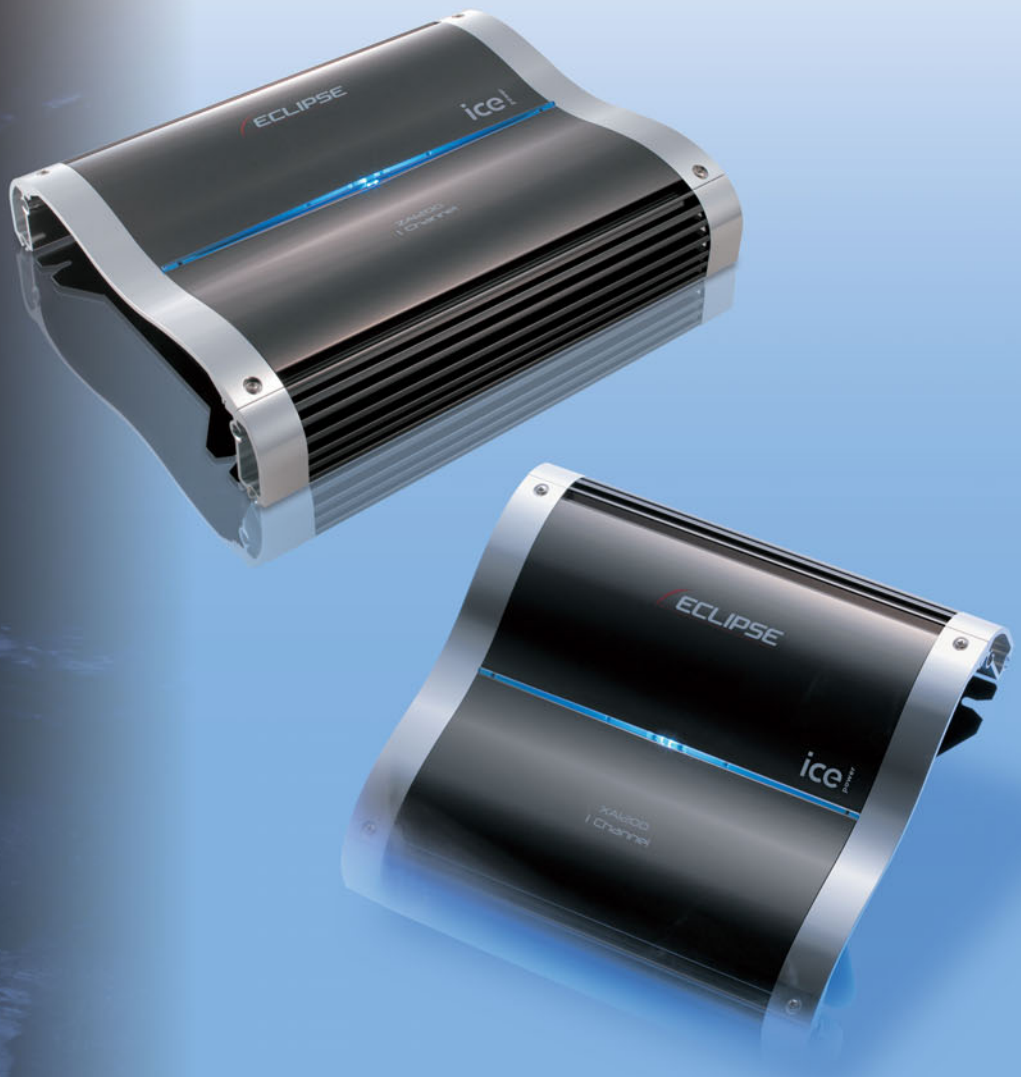


ECLIPSE Power Amplifiers

When form and function make a perfect match

ECLIPSE digital power amplification technology has made it possible to incorporate digital amplification's important advantages to mobile digital amplifiers where significant power is demanded but space is at a premium and heat generation needs to be minimized. The ECLIPSE solution satisfies the most stringent requirements as well as producing extraordinary sound quality.

ECLIPSE power amplification now comprises 4 amplifiers that utilize digital technology in a masterful combination of high tech digital circuitry, compact dimensions and striking looks. Class D operation featuring a switched mode amplifier topology allows these units to deliver rock-solid operation even into difficult–to-drive 2-ohm loads at high efficiency and with minimal heat. Less heat is generated requiring less heat sinking to make installations in limited spaces easier and reducing weight as well. Amplifier linearity and damping are improved while THD is lowered and dynamic range increased, delivering superior sound quality. In addition, flexible output channel configurations make these amplifiers easier to match any system's needs. The full amplifier line shares a distinctive, stylish profile with detachable chrome side plates to enhance any installation whether on display or out of sight



Compact, powerful and easy to install

ZA Amplifier Series

Designed for ultra-high performance in demanding applications, the powerful monoblock designs are well-suited for amplifying independent channels as well as for extracting the best performance from power-hungry subwoofers. Powerful but compact, with versatile onboard controls for input/output levels, low-pass filter, cutoff frequency as well as level bass boost, the ZA1200 is at home in the most advances systems.

ZA1200 1500W NEW

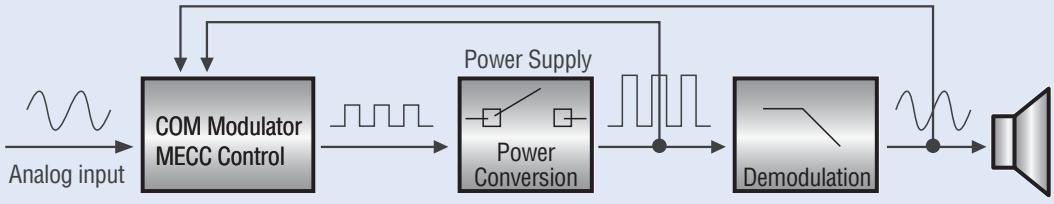
1KW High Power 1 Channel Monoblock Class D Subwoofer Amplifier

ice power

• ICEpower® full-range Class D operation • Very high efficiency rate with minimal heat build-up. • Flexible lo pass 18dB/octave filter to match amplifier to speaker/subwoofer and Subsonic filter. • All connections and fuses conveniently side-mounted

ICEpower® technology revitalizes the amplifier line.

ECLIPSE's latest power amplifiers feature new ICEpower® technology. Seeing increasing use even in ultra high-end audiophile equipment, ICEpower® advantages include superior audio quality, compactness and reduced energy demand as well as reliability. Employing ICEpower® analog technology in ECLIPSE power amplifiers enable them to deliver stunning results in terms of linearity and reduced THD, increased dynamic range and high power stage efficiency.



ice power

In an ICEpower® analog circuit the analog signal is modulated into a PWM (Pulse Width Modulation) signal with the Controlled Oscillation Modulator (COM). Then after the power stage, this PWM signal feeds back into the Multivariable Enhanced Cascade Control (MECC) where it is compared to the original input signal and any differences are compensated for to eliminate power stage-induced distortion. The post output filter analog signal also feeds back into the MECC that compensates for output filter load dependent characteristics. The end result is superb sound quality free from conventional Class D limitations.

XA Amplifier Series

This high-performing category is designed specifically for providing superb sound in an automobile environment with all its acoustic challenges. Equipped with useful controls on one side and with connections and fuses on the other, these amplifiers

XA4200 250W × 4 NEW

4/3/2 Channel Class D Amplifier with Channelflex Crossover plus Subsonic Filter

Excellent value for powering a full four-channel system, stereo with sub woofer or a high-performance, high-output 2-channel system. Can be used singly or in multiples as required.

XA 1200 600W NEW

1 Channel Monoblock Class D Subwoofer Amplifier

Versatile monoblock design to drive stereo system in pairs or use as a dedicated subwoofer amplifier.

• ICEpower® full-range Class D operation • Very high efficiency rate with minimal heat build-up. • Hi and lo pass 18dB/octave filters to match amplifier to speaker/subwoofer and subsonic filter. • All connections and fuses conveniently side-mounted

EA Amplifier Series

Looking sharp with the same distinctive styling as the other ECLIPSE amplifier series, the EA Series features MOSFET switching power supplies and delivers great sound with total reliability, driving difficult 2-ohm loads while running cool. The new EA4200 amplifier also sports dimensions 45% smaller than previous EA models with similar outputs, allowing easier installs in limited spaces.

EA4200 90W × 4 NEW

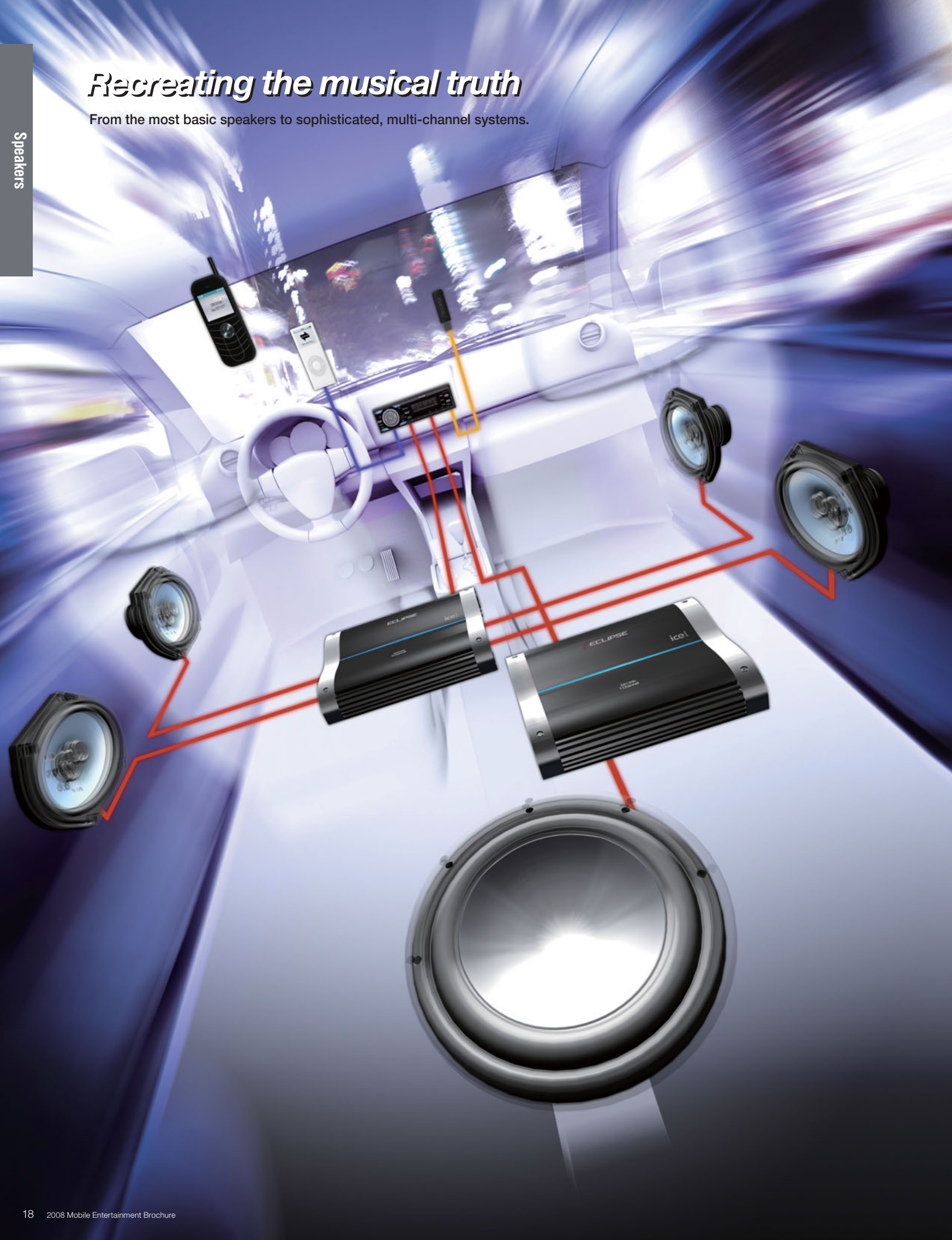
4/3/2 Channel Class D Amplifier with Channelflex Crossover plus Subsonic Filter

Flexible configuration options let this good-sounding amplifier easily satisfy power requirements of most in-car systems.

• Class D operation • Very high efficiency rate with minimal heat build-up.

Recreating the musical truth

From the most basic speakers to sophisticated, multi-channel systems.



SW8200 Series

No-compromise low frequency drivers that establish a rock-solid foundation for music to dynamically build on.

SW8200

12˝Subwoofer (4Ω)

Meeting the highest audiophile expectations for low-frequency reinforcement.

SW8000

10˝Subwoofer (4Ω)

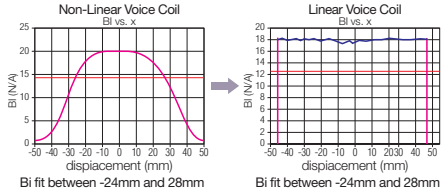
Easier-to-install compact low frequency driver with performance equal to larger units.

• RMS power handling: 670W/625W • Max. power handling: 2000W/1900W • Linear transducer technology • Solid aluminum cone heat sink • Single 4Ω compound linear voice coil • 200oz dual stacked magnet • Aluminum cast basket • Aluminum cast magnet heat sink • SBR synthetic rubber surround • Polyester-cotton spider • QCA (Quick Change Assembly) technology • 10 awg push and screw terminal

ECLIPSE linear transducer technology*

* Patent pending

By shaping the turn distribution of a wire coil a more optimal force linearity can be achieved. In practical terms, ECLIPSE's shaped coil winding allows greater linearity in the motor's peak-to-peak travel, reducing distortion for better-sounding low frequencies.



Linear Transducer speaker's flat BL (force) vs. displacement (travel) graph compared to a conventional speaker's bell-shaped curve.

SW6200 Series

Redesigned for greater power handling and extended cone excursion.

NEW

SW6210

12˝Subwoofer (4Ω)

Heavy-duty 12˝ low frequency premium speaker component driver with aluminum cone designed to augment genuine full-bandwidth systems.

NEW

SW6010

10˝Subwoofer (4Ω)

With increased power handling and cone excursion, the SW6010 incorporates technological advancements that make it one of the most powerful subwoofers in the 10˝ class available today.

• RMS power handling: 500W/450W • Max. power handling: 1500W/1300W • Kevlar composite cone • Dual 4Ω aluminum voice coil • ABS + 15% fiber-filled magnet coverd • Injection santoprene surround • Rubber gasket • Flat pc spider • Air vent cooling system • Quad 10 awg chrome terminal

SW4200 Series

Incorporating advanced driver technology and materials for improved low frequency reproduction.

SW4210 NEW

12˝ Subwoofer (4Ω)

A 12˝ subwoofer that performs above its class is an excellent addition to any system that could use extra low frequency augmentation.

SW4010 NEW

10˝ Subwoofer (4Ω)

A solid 10˝ performer that is popular for tight, deep impact low frequency sound, easily blending into even moderate speaker systems.

• RMS power handling: 250W/200W • Max. power handling: 750W/600W • Kevlar composite cone • Integrated grill assembly • Foam surround • Polycarbonate spider • 43oz magnet (SW4210), 30oz magnet (SW4010) • 4-layer aluminum single voice coil • Air vent cooling system

Tuned enclosure with speakers offers complete bass solution

SW4200 BXD

12˝ x 2 Subwoofer System

The SW4200BXD instantly delivers tight, extended bass at an extremely competitive price point with a pair of high efficiency 12˝ woofers with a combined impedance of 4 ohms. Simply install in a desired position.

• RMS power handling: 250W • Max. power handling: 750W • Single 4Ω terminals

3-Way SC-Series

Making high-performance sound affordable.

SC8365

6-1/2˝ Component 3-Way Speaker System

• RMS power handling: 100W • Max. power handling: 300W
• Sensitivity(1Watt/meter) SPL: 88dB • Crossover frequencies: woofer/midrange 1400Hz, midrange/tweeter 5kHz • Mounting Depth: 2-7/8˝

Woofer driver
• Solid aluminum cone (SC8365: 6-1/2˝) (SC8355: 5-1/4˝)
• Aluminum diecast basket
• Santoprene surround
• Porous flat spider
• Aluminum voice coil former
• Very narrow voice coil gaps
• Vented pole piece

Midrange driver
• 1-1/2˝ solid aluminum hard dome
• Neodymium magnet
• Aluminum voice coil former
• Ferro-fluid cooled
• Flush-mounting kit

Tweeter
• 3/4˝ solid aluminum hard dome
• Neodymium magnet
• Aluminum voice coil former
• Ferro-fluid cooling
• Flush-mounting kit

Crossover
• Audiophile-grade, speaker-specific matched component passive crossover with clear lexan cover
• 12dB/octave high-pass, 6dB/octave low-pass Butterworth Optimum Q crossover filters
• OFC wirewound air core inductors and etallized polypropylene capacitors
• Tweeter protection circuit
• Variable tweeter sensitivity (-3dB/0dB/+3dB)

SC8355

5-1/4˝ Component 3-Way Speaker System

• RMS power handling: 85W • Max. power handling: 250W
• Sensitivity (1Watt/meter) SPL: 87dB • Crossover frequencies: woofer/midrange 1400Hz, midrange/tweeter 5kHz • Mounting Depth: 2-5/8˝

2-Way SC-Series

Complete high-performance speaker solutions.

Designed for high sound quality and with 40% reduced depth compared to conventional models for easier installation.

SC6900

6-9˝ 2-Way Driver with 1˝ Aluminum Tweeter

Representing the ideal replacement system for factory-installed speakers, the SC6900 is a 2-way system with matched drivers and dedicated crossover that offers extraordinary sound quality.

• RMS power handling: 80W • Max. power handling: 240W
• Sensitivity (1Watt/meter) SPL: 86dB • Mounting Depth: 2-3/8˝

SC6500

6-1/2˝ 2-Way Driver with 1˝ Aluminum Tweeter

With a slim profile that allows installation in most locations, this speaker system is the easiest upgrade to high quality sound from stock factory speakers.

• RMS power handling: 75W • Max. power handling: 225W
• Sensitivity (1Watt/meter) SPL: 84dB • Mounting Depth: 2-1/4˝

2-Way SP-Series

This component series provides different options to position the high frequency driver for more flexible mounting as well as better overall sound. Technically advanced, the speaker cones are made of carbon fiber that is layered on woven cotton. Highs are more refined thanks to new silk dome tweeters. A moderate 12dB/octave crossover ensures woofer and tweeter response smoothly overlap for a well-balanced overall sound.

Improved sound

With greater power handling capability and a detachable tweeter, it is easier to achieve quality sound in a car's interior. To widen system response, any ECLIPSE subwoofer can also be used to create a seamless, wide bandwidth system.

Instant sonic solution

These speakers are provided in a range of configurations to fit just about any car, making them an ideal drop-in replacement with much higher performance.

SP6910 NEW

6 × 9˝ 2-Way Point Source

• RMS power handling: 90W • Max. power handling: 270W

SP6510 NEW

6-1/2˝ 2-Way Point Source

• RMS power handling: 60W • Max. power handling: 180W

SP5710 NEW

5 × 7˝ 2-Way Point Source

• RMS power handling: 75W • Max. power handling: 225W

SP5010 NEW

5-1/4˝ 2-Way Point Source

• RMS power handling:50W • Max. power handling: 150W

Integrated Series Speakers

These concentric, integrated speaker units are ideal for replacing stock speakers, whether round or oval types. Advanced speaker technologies are incorporated to ensure performance that easily exceeds similar speakers.

SE6900 NEW

6 × 9″ 4-Way

- RMS power handling: 75W
- Max. power handling: 220W

SE6800 NEW

6 × 8″ 3-Way

- RMS power handling: 40W
- Max. power handling: 120W

SE5700 NEW

5 × 7″ 3-Way

- RMS power handling: 40W
- Max. power handling: 120W

SE6500 NEW

6-1/2″ 3-Way

- RMS power handling: 40W
- Max. power handling: 120W

SE5000 NEW

5-1/4″ 3-Way

- RMS power handling: 30W
- Max. power handling: 90W

SE4600 NEW

4 × 6″ 3-Way

- RMS power handling: 30W
- Max. power handling: 90W

SE4000 NEW

4″ 3-Way

- RMS power handling: 25W
- Max. power handling: 75W

Marine Loudspeaker

Specifically designed to withstand the rigors of marine and outdoors environments, the SM6500 is ideal for use on boats.

SM6500

Marine Loudspeaker

Waterproof full-range speaker

Sensitivity	85dB
Woofer Cone	6-1/2″ (UV Solar-Protected)
Tweeter	20mm Aluminum Hard Dome (UV Solar-Protected)
Basket	Oen Piece Cast Powder Coated Aluminum
Grille	Polycarbonite Plastic (UV Solar-Protected)
Woofer Magnet	Ferrite
Tweeter Magnet	Neodymium
Mounting Depth	3-1/2″

AVN Series Feature List

	AVN7000	AVN6620	AVN5495
MEDIA			
HDD	1.8″ 20GB	—	30GB
DVD	●	●	●
CD	●	●	●
SONY Memory Stick	●*1 (MS Duo only)	—	●
NAVIGATION			
Navigation Device			
HDD Navigation	●	—	●
DVD Navigation	—	●	—
Ultima Engine	●	—	—
Displaying			
Display	7″ EGA	7″ EGA	6.5″ EGA
Split screen	●	●	●
Street name	●	●	●
Point-of-Interest (POI)	approx. 4,000,000 points	approx. 8,762,000 points	approx. 3,150,000 points
City map	—	●	—
Operation			
Touch panel control	●	●	●
Searching			
Address search	●	●	●
POI Name	●	●	●
POI Category	●	—	●
Emergency search	Hospital/Police	Hospital/Police	Hospital/Police
Memory search	●	●	●
Previous search	●	●	●
Map search	●	●	●
Intersection search	●	●	●
Freeway search (ENTER/EXIT)	●	●	●
Coordinates search	●	●	●
Telephone number search	●	—	●
Home search	●	●	●
Quick access point search	●	●	●
Routing			
3 routes information	●	●	●
Detours	●	●	●
Enroute stopping points	●	●	●
Route preview	●	●	●
Assistance			
Real Time Traffic Information	—	● (SIRIUS Traffic)	—
Voice guidance	English/French	English/French/Spanish	English/French
Voice guidance switch L/R	●	—	—
Voice guidance volume control	●	●	●
Intersection zooming	●	●	●
Freeway assistance	●	●	●
Auto rerouting	●	●	●
Estimated arrival time	●	●	●
SECURITY			
ECLIPSE Security Network	●	●	●
Detachable front panel	●	—	—
OTHER			
TEL Mute	●	●	●

*1: Sony Magic Gate Memory Stick Duo is sold separately.

AVN Series Specifications

	AVN7000	AVN6620	AVN5495
GENERAL			
Power output	MOSFET 50W × 4 (MAX)	50W × 4 (MAX)	50W × 4 (MAX)
Power supply	13.2V DC (11—16V)	13.2V DC (11—16V)	13.2V DC (11—16V)
Dimensions (W × H × D)	7″ × 2″ × 6-1/2″ (180 × 50 × 165mm)	7″ × 4″ × 6-1/2″ (180 × 100 × 165mm)	7″ × 4″ × 6-1/2″ (180 × 100 × 165mm)
Weight	5.1lbs (2.3kg)	7.0lbs (3.2kg)	7.9lbs (3.6kg)
DISPLAY			
Display	7″ wide (16:9), low-glare panel	7″ wide (16:9), low-glare panel	6.5″ wide (16:9), low-glare panel
Resolution	336,960 dots (480 × 234 × 3)	280,800 dots (400 × 234 × 3)	280,800 dots (400 × 234 × 3)
Screen aspect ratio	4 types	4 types	4 types
FM TUNER			
Frequency range	87.75 — 107.9MHz (200kHz step)	87.75 — 107.9MHz (200kHz step)	87.75 — 107.9MHz (200kHz step)
Usable sensitivity	19dBf (98.1MHz)	12dBf (98.1MHz)	12dBf (98.1MHz)
AM TUNER			
Frequency range	530 — 1,710kHz (10kHz step)	530 — 1,710kHz (10kHz step)	530 — 1,710kHz (10kHz step)
Usable sensitivity	22μV	22μV	22μV

AUDIO	AVN7000			AVN6620	AVN5495
	AVN7000 only	DCU105 connected			
		Front-1 way system	Front-3 way system		
DVD					
DVD-Video	●			●	●
DVD-R/RW, DVD+R/RW*2	●			●	●
Dolby Digital 5.1ch.	—	●		—	—
dts 5.1ch.	—	●		—	—
Dolby Pro Logic II	—	●		—	—
CD					
CD	●			●	●
CD-R/RW	●			●	●
MP3	●			●	●
WMA	●			●	—
MS					
ATRAC3	● (SONY Magic Gate Memory Stick Duo)			—	●
Audio function					
MUSIC JUKE	—			—	● (3,000 tracks)
Circle Surround II	—			●	●
Time Alignment	Car type: 6 types, Speaker position: Tweeter Rear SP	Front (L/R), Rear (L/R), Center, Subwoofer	F-Hi (L/R), F-Mid (L/R), F-ML (L/R), R (L/R), Center, Subwoofer	—	—
Parametric EQ	7 bands	F/R/C: independent 5 bands, SW: 1 band		7 bands	—
Graphic EQ	—	—	—	—	9 bands
Crossover	●	F (HPF)/R (HPF)/C (HPF)/ SW (LPF)	F-Hi (HPF), F-Mid (HPF/LPF), F-ML (HPF/LPF),R (HPF), SW (LPF)	●	—
Multi-Harmonizer	MP3/WMA/ATRAC3			MP3/WMA	MP3/ATRAC3
Sound Field Control	—			5 modes	—
Listening Position selector	FR, FL, F, R, OFF			●	●
Non Fader Level/Phase control	●			●	●
Woofer output	●			●	●
E-iSERV Connectivity	—	● (Audio customize)		—	—
Audio device					
Amplifier	MOSFET 50W × 4			50W × 4	50W × 4
Advanced 24-Bit ΔΣ DAC	●			●	●
Pre Amp Output	F/R/NF, 2V	Front/Rear/Center/Subwoofer, 5V		F/R/NF, 5V	F/R/NF, 5V
AV Output	●			●	▲ (video only)
AV Input	●			●	●
Digital Output (Coaxial)	●			—	—
Digital Input (Coaxial)	—	●		—	—
Digital Input (Optical)	—	●		—	—
Analogue radio tuner					
FM	FM1: 6, FM2: 6, FM3: 6			FM1: 6, FM2: 6, FM3: 6	FM: 6
AM	AM: 6			AM: 6	AM: 6
OPTIONAL					
Ready for iPod®	▲ *3			●	▲ *3
HD Radio-ready	●			●	●
XM Satellite Radio-ready	—			●	—
SIRIUS Satellite Radio-ready	●			●	●
CD Changer-ready	2 (daisy-chainable)			2 (daisy-chainable)	2 (daisy-chainable)
Rear View Camera-ready	●			●	●
TV Tuner-ready	●			●	—
Rear Monitor output	1	2		1	1
Parrot Bluetooth®-ready	—			●	—

*2: Please refer to Notes and Precautions. *3: Please refer to iPod Control Function chart on p28.

	AVN7000	AVN6620	AVN5495
CD SECTION			
Frequency response	20 — 20,000Hz ±3dB	20 — 20,000Hz ±1dB	20 — 20,000Hz ±3dB
Total harmonic distortion	0.04% (0dB 1kHz)	0.01% (0dB 1kHz)	0.04% (0dB 1kHz)
MS SECTION			
Frequency response	20 — 20,000Hz ±3dB	—	20 — 20,000Hz ±3dB
Total harmonic distortion	0.04% (0dB 1kHz)	—	0.04% (0dB 1kHz)
EQUALIZER SECTION			
Equalizer	63Hz — 16kHz (25 points) ±10dB	63Hz — 16kHz (25 points) ±10dB	63Hz — 12kHz (1/2oct.step) ±10dB
HDD SECTION			
Operating temperature range	-10 — 65°C	—	-10 — 65°C
Storage temperature range	-40 — 70°C	—	-40 — 85°C

AVN2210p mkII Feature List

	AVN2210p mkII
MEDIA	
CD	●
USB Memory	●
NAVIGATION	
Navigation Device	
SD Map storage	● (1GB)
Displaying	
Display	3.5″ TFT
3D view graphics	●
Day/Night view	●
Operation	
Touch panel control	●
Hands-free calls	●
Searching	
Address search	●
POI Name	●
POI Category	●
Favorite search	●
Recent destinations search	●
Map search	●
Intersection search	●
Coordinates search	●
Home search	●
Town search	●
Last docked search	●
Routing	
6 routes choice	●
Itinerary planning	●
Route summary	●
Assistance	
Traffic Information	● (TomTom Traffic)
Spoken instructions	●
Spoken instruction switch L/R	●
Spoken instruction volume control	●
Intersection zooming	●
Freeway guidance	●
Auto rerouting	●
Estimated arrival time	●
PORTABLE NAVIGATION	
Battery life	1.30h
Integrated GPS antenna	●
Integrated speaker	●
Accessory Car Dock	●
CONTROL	
CD	●
CD-R/RW	●
MP3	CD-R/USB
WMA	CD-R
TUNER	
FM	FM1: 6 FM2: 6 FM3: 6
AM	AM: 6
AUDIO	
Crossover	●
Bass/Mid/Treble control	●
Balance/Fader control	●
Non-Fader/Phase level control	●
Source volume control	●
Amplifier	50W × 4
Preamp output	F/R/NF, 5V
SECURITY	
Detachable structure (PND unit)	●
OTHER	
Bluetooth	●
OPTIONAL	
iPod® Full control-ready	●
SAT Radio-ready	●
AUX-ready	●

AVN2210p mkII Specifications

GENERAL	
Power output	50W × 4 (MAX)
Power supply	13.2V DC (11—16V)
Dimensions (W × H × D)	7″ × 4″ × 6-1/2″ (180 × 100 × 165mm)
Weight	5.5lbs (2.5kg)
Dimensions (PND only) (W × H × D)	4″ × 3″ × 1″ (101 × 76.1 × 23.3mm)
Weight (PND only)	0.4lbs (0.2kg)
Operating temperature range	-4°F to 149°F (-20°C — 65°C)
Operating temperature range (PND only)	14°F to 131°F (-10°C — 55°C)
Suitable load impedance	4Ω
DISPLAY	
Display	3.5″ TFT
Resolution	230,400 dots (320 × 240 × 3)
FM TUNER	
Frequency range	87.75 — 107.9MHz (200kHz step)
AM TUNER	
Frequency range	530 — 1,710kHz (10kHz step)
CD SECTION	
Frequency response	-3±3dB(1kHz:0dB)
USB MEMORY PLAYER SECTION	
USB Interface	1.1
EQUALIZER SECTION	
Bass/Mid/Treble Control	±12dB at 80Hz/±12dB at 700Hz/±12dB at 10kHz

AVX5000 Feature List

	AVX5000		
AUDIO	**AVX5000**	**DCU105 connected**	
		Front-1 way system	**Front-3 way system**
DVD			
DVD-Video	●		
DVD-R/RW, DVD+R/RW*1	●		
Dolby Digital 5.1ch.	—	●	
dts 5.1ch.	—	●	
Dolby Pro Logic II	—	●	
CD			
CD	●		
CD-R/RW	●		
MP3	●		
WMA	●		
MS			
ATRAC3	● (SONY Magic Gate Memory Stick Duo)		
Audio function			
Time Alignment	Car type: 6 types, Speaker position: Tweeter Rear SP	Front (L/R), Rear (L/R), Center, Subwoofer	F-Hi (L/R), F-Mid (L/R), F-ML (L/R), R (L/R), Center, Subwoofer
Crossover	●	F (HPF)/R (HPF)/C (HPF)/SW (LPF)	F-Hi (HPF), F-Mid (HPF/LPF), F-ML (HPF/LPF),R (HPF), SW (LPF)
Multi-Harmonizer	MP3/WMA/ATRAC3		
Listening Position selector	FR, FL, F, R, OFF		
Non Fader Level/Phase control	●		
Woofer output	●		
E-iSERV Connectivity	—	● (Audio customize)	
Audio device			
Amplifier	MOSFET 50W × 4		
Advanced 24-Bit ΔΣ DAC	●		
Pre Amp Output	F/R/NF, 2V	Front/Rear/Center/Subwoofer, 5V	
AV Output	●		
AV Input	●		
Digital Output (Coaxial)	●		
Digital Input (Coaxial)	—	●	
Digital Input (Optical)	—	●	
Analogue radio tuner			
FM	FM1: 6, FM2: 6, FM3: 6		
AM	AM: 6		
OPTIONAL			
Ready for iPod®	▲ *2		
HD Radio-ready	●		
SIRIUS SATELLITE RADIO-ready	●		
CD Changer-ready	2 (daisy chain)		
Rear View Camera-ready	●		
TV Tuner-ready	●		
Rear Monitor output	1	2	
SECURITY			
ECLIPSE Security Network	●		
Detachable front panel	●		

*1: Please refer to Notes and Precautions. *2: Please refer to iPod Control Function chart on p28.

AVX5000 Specifications

14.4V Power Supply	AVX5000
Max. Power Output	MOSFET 50W × 4
Display	7″ wide (16:9), low-glare panel
Display Resolution	336,960 dots (480 × 234 × 3)
Screen Aspect Ratio	4 types
FM Frequency Range	87.75 — 107.9MHz (200kHz step)
Usable Sensitivity	15dBf
AM Frequency Range	530 — 1,710kHz (10kHz step)
Usable Sensitivity	24μV
CD Frequency Response	20 — 20,000Hz, -2±2dB — 0±2dB
Total Harmonic Distortion	0.03% (0dB, 1kHz)
Equalizer	Parametric: 63Hz — 16kHz±10dB (25 points)
Dimensions (W × H × D)	7″ × 2″ × 6-1/2″ (180 × 50 × 165mm)
Weight	4.8lbs (2.2kg)

CD Receiver Feature List

	CD7200 mkII	CD3200	CD1200
CONTROL			
Remote Control	●	●	optional
CD Changer Control	●	●	—
CD, CD-R/RW	●	●	●
USB	●	●	●
WMA	●	●	●
MP3	●	●	●
SAT Radio-ready	●	●	—
HD Radio-ready	●	●	—
Ready for iPod	●	●	●
TUNER			
AM/FM	6/18	6/18	6/18
Station Name Input	●	●	—
AUDIO			
Pre Outputs	8V/6ch	5V/6ch	3V/4ch
MOSFET Amplification	—	●	—
Advanced 24-bit ΔΣ DAC	●	—	—
Source Volume Control (SVC)	●	●	—
Circle Surround II	●	—	—
Parametric EQ	Front 3 way / 11 band; 4 sp+Subwoofer / 7 band	3 band	—
EQ	—	—	● (3 band)
Time Alignment	●	—	—
Crossover	●	●	—
Bass/Mid/Treble Control	●	●	●
Loudness	●	●	●
Multi-Harmonizer	●	—	—
Simplified Position Selector	—	●	—
Non Fader Level/Phase control	●	●	—
Non Fader Mono/Stereo changeable	●	—	—
Non Fader Pre Outputs	●	●	—
AUX Input	● (RCA + 1 optional)	● (RCA + 1 optional)	●
GENERAL			
Display	Full Dot VF	Full Dot VF	LCD
Illumination	6 pattern	6 pattern	Green/Red
Dimmer Control	●	●	●
ESN Security	●	●	—
Detachable Front Panel	●	●	●
Face Type	Motorized	Motorized	Fixed
E-iSERV			
E-iSERV Connection	●	●	—
Data Carrying	USB & CD-R	USB & CD-R	—
Audio Customize	●	—	—
Motion Picture	●	●	—

CD Receivers Specifications

14.4V Power Supply		**CD7200 mkII**	**CD3200**	**CD1200**
Max. Power Output		no amplifier section	50W × 4 (MOSFET)	40W × 4
Lineout Output Level/Impedance		8V(0dB)/55Ω	5V(0dB)/55Ω	3V(0dB)/55Ω
Tone Control	**Bass/Mid/Treble**	±12dB at 80Hz/±12dB at 630Hz/±12 at 10kHz	±12dB/±12dB/±12dB	±12dB at 100Hz/±12dB at 680Hz/±12dB at 10kHz
	Loudness	+10dB at 100Hz/+6dB at 10kHz		
FM	**Frequency Range**	USA: 87.75 — 107.9 MHz (200kHz step) Latin America: 87.75 — 107.9 MHz (100kHz step)		
	Usable Sensitivity	15dBf		
	Frequency Response	30 — 15,000Hz ±3dB		
	Stereo Separation	38dB (1kHz)		
AM	**Frequency Range**	USA/Latin America: 530 — 1,710kHz (10kHz step)		
	Usable Sensitivity	22μV		
CD	**Frequency Response**	20 — 20,000Hz, ±3dB		
	S/N Ratio (A-weighted)	100dB	95dB	90dB
	Total Harmonic Distortion	0.008%		
	Channel Separation	85dB	80dB	
USB	**Frequency Response**	20 — 20,000Hz, ±3dB		
	S/N Ratio (A-weighted)	100dB	95dB	90dB
	Total Harmonic Distortion	0.008%		
Dimensions (W × H × D)		7˝ × 2˝ × 6-1/8˝ (178 × 50 × 155mm)		7˝ × 2˝ × 6-1/2˝ (178 × 50 × 164.9mm)

Amplifier Specifications

14.4V Power SUPPLY		ZA1200	XA4200	XA1200	EA4200
Channel		1	4/3/2	1	4/3/2
Digital/Analog		Digital (ICE-power)	Digital (ICE-power)	Digital (ICE-power)	Digital
Power Output (max.) 10% THD 2Ω		1500W	250W × 4	600W	90W × 4
Power Output 1%THD	2Ω	1200W	200W × 4	500W	85W × 4
THD@Rated Power	4Ω	1000W	100W × 4	350W	60W × 4
	4Ω Sub Chnl.	1000W	—	350W	—
	4Ω Bridged	—	400W × 2	—	150W × 2
	@2Ω	—	—	—	—
	@4Ω	—	0.05%	0.05%	0.1% (at 55W × 4)
	@4Ω Sub Chnl.	0.25%	—	0.25%	—
S/N Ratio*, 1W out		>90dB	>90dB	>90dB	>80dB
Frequency Response, 1W out		20 — 20kHz	20 — 20kHz	20 — 20kHz	20 — 20kHz
Amp Crossovers	Hi-Pass 18dB/oct.	N/A	32Hz — 500Hz	N/A	32Hz — 500Hz (12dB/oct)
	Lo-Pass 18dB/oct.	45Hz — 200Hz	45Hz — 500Hz	45Hz — 200Hz	32Hz —500Hz (12dB/oct)
	Subsonic 18dB/oct.	22Hz	22Hz	22Hz	18Hz
Pre-Amp Output	Lo-Pass 18dB/oct.	N/A	Pass Through	N/A	Pass Through
Dimensions (W × H × D)		12.2″ × 2.36″ × 10.1″ (310mm × 60mm × 256mm)	12.2″ × 2.36″ × 10.1″ (310mm × 60mm × 256mm)	10.25″ × 2.36″ × 10.1″ (260mm × 60mm × 256mm)	7.5″ × 2.36″ × 10.1″ (190mm × 60mm × 256mm)

iPC Series Feature List

ECLIPSE Models	AVN Series				AVX Series	
	AVN6620	AVN7000		AVN5495	AVX5000	
Option/Interface	iPC-106					
Mode	iPod mode (full control)	SIRIUS mode	CDCH mode	CDCH mode	SIRIUS mode	CDCH mode
Track next/previous	●	●	●	●	●	●
Fast next/previous	●	—	—	—	—	—
Text display	●	●	●	●	●	●
Search mode	● *1	● *2	● *2	● *2	● *2	● *2
Browsing list	●	—	—	—	—	—
Repeat	●	●	●	●	●	●
All repeat	●	●	●	●	●	●
Random	●	●	●	●	●	●
Album random	●	—	—	—	—	—
Power supply/charge	●	●	●	●	●	●

ECLIPSE Models	CD Series	
	CD7200 mkII, CD3200	CD1200
Option/Interface	iPC-106	iPC-008 (Direct Cable)
Mode	iPod mode (full control)	iPod mode (full control)
Track next/previous	●	●
Fast next/previous	●	●
Text display	●	●
Search mode	● *1	● *1
Browsing list	●	●
Repeat	●	●
All repeat	●	●
Random	●	●
Album random	●	●
Power supply/charge	●	●

*1 Playlist/Album/Artist/Genre/Song *2 Playlist/Album/Artist/Song

Speaker Specifications

	SW8200	SW8000
Size	12″	10″
Fs	16Hz	18Hz
Qts	0.42	0.40
DCR	3Ω	3Ω
Vas	8.27 cu ft	3.75 cu ft
Xmax (one way)	1.50″	1.50″
Continuous Power Handling	670W	625W
Maximum Power Handling	2000W	1900W

	SW6210	SW6010	SW4210	SW4010
Size	12″	10″	12″	10″
RMS Power Handling	500W	450W	250W	200W
Max Power Handling	1500W	1300W	750W	600W
Fs	20.5Hz	26 Hz	22 Hz	27 Hz
Qts	0.44	0.45	0.45	0.55
DCR	4Ω+4Ω	4Ω+4Ω	4Ω+4Ω	4Ω+4Ω
Vas	2.5 cu ft	1.25 cu ft	5.3 cu ft	2.2 cu ft
Xmax (one way)	12mm	12mm	12mm	12mm
Dual voice coil	●	●	●	●
Sensitivity	90dB	88dB	88dB	86dB
Cone Material	Aluminum	Aluminum	Paper	Paper
Dome Material	Aluminum	Aluminum	Polypropelene	Polypropelene
Surround Material	Santoprene	Santoprene	Santoprene	Santoprene
Voice Coil Former	Aluminum	Aluminum	Aluminum	Aluminum
Woofer Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite

	SW4200BXD
Subwoofer Driver	SW4200 × 2
Frequency Response	28 — 250Hz
Sensitivity 1W/m SPL	88dB
Normal Impedance	4Ω
Dimensions (W × H × D)	27.6″× 13.8″× 11″ (701 × 350 × 280mm)
Weight (Gross)	43lbs (19.5kg)
Weight (Net)	37.5lbs (17kg)
Finish	Grey
Continuous Power Handling	250W
Maximum Power Handling	750W

	SC8365	SC8355
Woofer Size	6-1/2″	5-1/4″
Midrange Size	1-1/2″	1-1/2″
Tweeter Size	3/4″	3/4″
RMS Power Handling	100W	85W
Max. Power Handling	300W	250W
Frequency Response	30 — 25,000Hz	35 — 25,000Hz
Sensitivity	88dB	87dB
Cone Material	Solid Spun Aluminum	Solid Spun Aluminum
Surround Material	Santoprene	Santoprene
Voice Coil Former	Aluminum	Aluminum
Midrange Dome	Aluminum	Aluminum
Tweeter Dome	Aluminum	Aluminum
Tweeter Magnet Material	Neodymium	Neodymium
Woofer Magnet Material	Ferrite	Ferrite
Mounting Depth	2-7/8″	2-5/8″

	SC6900	SC6500
Woofer Size	6 × 9″	6-1/2″
Tweeter Size	1″	1″
RMS Power Handling	80W	75W
Max. Power Handling	240W	225W
Frequency Response	65 — 25,000Hz	84 — 25,000Hz
Sensitivity	86dB	84dB
Cone Meterial	Glass fiber and Kevlar	Glass fiber and PMI
Surround Meterial	Rubber	Rubber
Voice Coil Former	Aluminum	Aluminum
Tweeter Dome	Soft silk	Soft silk
Tweeter Magnet Material	Neodymium	Neodymium
Woofer Magnet Material	Ferrite	Ferrite
Mounting Depth	2-3/8″	2-1/4″

Final appearance may be changed.

Speaker Feature List

	SP6910	SP6510	SP5710	SP5010
Woofer Size	6 × 9″ (woofer)	6 -1/2″ (woofer)	5 × 7″ (woofer)	5 -1/4″ (woofer)
Tweeter Size	1″ (Tweeter)	1″ (Tweeter)	1″ (Tweeter)	1″ (Tweeter)
RMS Power Handling	90W	60W	75W	50W
Max Power Handling	270W	180W	225W	150W
Frequency Response	40Hz — 25kHz	65Hz — 25kHz	84Hz — 25kHz	80Hz — 25kHz
Sensitivity	88dB	87dB	84dB	85dB
Cone Material	Carbon fiber with cotton backed cone	Carbon fiber with cotton backed cone	Carbon fiber with cotton backed cone	Carbon fiber with cotton backed cone
Surround Material	Rubber	Rubber	Rubber	Rubber
Voice Coil Former	Aluminum	Aluminum	Aluminum	Aluminum
Midrange Dome	—	—	—	—
Tweeter Dome	Soft silk	Soft silk	Soft silk	Soft silk
Tweeter Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium
Woofer Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite
Mounting Depth	3-1/2″	2-1/4″	2-3/8″	2-1/4″

	SE6900
Woofer Size	6 × 9″ 4-Way
Midrange Size	1-1/2″
Tweeter Size	1″
Super tweeter Size	3/4″
RMS Power Handling	75W
Max Power Handling	220W
Frequency Response	40Hz — 25kHz
Sensitivity	92dB
Cone Material	Hybrid Mica PP cone
Surround Material	Rubber
Voice Coil Former	Kapton
Midrange Dome	Mylar
Super Tweeter	Mylar
Tweeter Dome	Mylar
Tweeter Magnet Material	Neodymium
Woofer Magnet Material	Ferrite
Mounting Depth	3-1/16″

	SE6800	SE6500	SE5700	SE5000
Woofer Size	6 × 8″ 3-Way	6-1/2″ 3-Way	5 × 7″ 3-Way	5-1/4″ 3-Way
Tweeter Size	1″	1″	1″	1″
Super tweeter Size	3/4″	3/4″	3/4″	3/4″
RMS Power Handling	40W	40W	40W	30W
Max Power Handling	120W	120W	120W	90W
Frequency Response	40Hz — 25kHz	55Hz — 25kHz	60Hz — 25kHz	60Hz — 25kHz
Sensitivity	91dB	90dB	90dB	90dB
Cone Material	Hybrid Mica PP cone	Hybrid Mica PP cone	Hybrid Mica PP cone	Hybrid Mica PP cone
Surround Material	Rubber	Rubber	Rubber	Rubber
Voice Coil Former	Kapton	Kapton	Kapton	Kapton
Midrange Dome	—	—	—	—
Super tweeter	Mylar	Mylar	Mylar	Mylar
Tweeter Dome	Mylar	Mylar	Mylar	Mylar
Tweeter Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium
Woofer Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite
Mounting Depth	2-1/4″	1-7/8″	2-1/8″	1-7/8″

	SE4600	SE4000
Woofer Size	4 × 6″ 2-Way	4″ 2-Way
Super tweeter Size	3/4″	3/4″
RMS Power Handling	30w	25w
Max Power Handling	90w	75w
Frequency Response	60Hz — 25kHz	90Hz — 25kHz
Sensitivity	88dB	88dB
Cone Material	Hybrid Mica PP cone	Hybrid Mica PP cone
Surround Material	Rubber	Rubber
Voice Coil Former	Kapton	Kapton
Midrange Dome	—	—
Super tweeter	Mylar	Mylar
Tweetwer Dome	—	—
Tweeter Magnet Material	Neodymium	Neodymium
Woofer Magnet Material	Ferrite	Ferrite
Mounting Depth	1-3/4″	1-5/8″

	SM6500
Sensitivity	85dB
Woofer Cone	6-1/2″ (UV Solar-Protected)
Tweeter	20mm Aluminum Hard Dome (UV Solar-Protected)
Basket	One Piece Cast Powder Coated Aluminum
Grille	Polycarbonite Plastic (UV Solar-Protected)
Woofer Magnet	Ferrite
Tweeter Magnet	Neodymium
Mounting Depth	3-1/2″

Notes and Precautions

Product safety notice
- To ensure the safe operation of ECLIPSE products, please read the owner's manuals carefully prior to using.
- Do not adjust controls while driving. To adjust the controls, stop the car in a safe location.
- The rear view camera is a parking aid. It must be used only to supplement your vehicle's side view and rearview mirrors. It is not a substitute for mirrors and careful driving.

Installation
- ECLIPSE is not responsible for any accident or damage due to improper installation, connections or products modified in any way.
- Installation of products requires experience and knowledge. Ask your ECLIPSE retailer for proper installation.
- ECLIPSE cannot guarantee that every product it manufactures will be able to be installed in every vehicle model or make. To be sure, please consult your ECLIPSE retailer.
- In some cases due to installation-related considerations, additional connecting cables may need to be purchased for an ECLIPSE product.
- Please be sure to follow instructions provided in the installation manual for correct procedures as incorrect installatiion may affect driving-related operation and/or airbag operation.
- Please make sure only the official parts supplied with the unit are used. Do not substitute other parts as it may affect operation or compromise unit build integrity.
- All products are intended for DC 12-Volt operation in negative grounded vehicles only. Never use them in 24-Volt vehicles such as heavy trucks or diesel cars with cold-region specification, aircraft or marine environments unless specifically rated to handle these conditions.
- When the BEC106 Rear View Camera is connected using the CAB106, the CAMERA SCREEN button cannot be used for displaying Rear View Camera images. Select AUTO CAMERA SETTING before using the Rear View Camera.

General
- Product design and specifications are subject to change without prior notice or obligation as ECLIPSE reserves the right to constantly seek to improve its products.
- Due to characteristics and properties of various photography and printing processes, the color(s) of the actual product may slightly differ from those shown on these pages.
- Some screen images shown are simulated.

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Others
- Do not remove the HDD from the head unit. ECLIPSE is not responsible for any loss of data, damage or malfunction to the disk drive mechanism resulting from unauthorized removal or tampering with the HDD.
- Some recent audio discs may resemble conventional music CDs but are technically not Compact Discs (CD Red Book format) because of the copy protection technology employed. ECLIPSE cannot guarantee operation and performance if these discs are used.
- DVD-R/RW and DVD+R/RW playback is possible only for discs formatted for video mode.
- VR (Video Recording) mode-recorded discs and discs not finalized will not play in the unit.
- Some PC-authored discs may not play due to software application settings during authoring.
- DVD-R/RW, DVD+R/RW and CD-R/RW playback quality may be affected by disc surface condition and disc format initialization process.
- DVD-R/RW, DVD+R/RW, CD and CD-R/RW discs may not operate perfectly on unit due to disc imperfections.
- DVD-R/RW, DVD+R/RW, CD and CD-R/RW disc performance may suffer if a disc exhibits excessive wear, dirt and scratching
- ATRAC3 is an efficient compression codec for digital music files, allowing files to take up just 1/10 their uncompressed size without degrading audio quality.
- Optimal MP3 and WMA file reproduction quality depends greatly on the original encoding process. Depending on the original encoding, files may sometimes not play back properly.
- Playback of song data is only possible on Magic Gate-compatible memory stick devices.
- Memory Sticks up to 128MB can be used. Initialization must be executed with Windows 2000 or later.
- ECLIPSE is not responsible for any data loss on a Memory Stick or HDD due to unit failure or malfunction.
- Song storage can be less than the representative number of song files depending on each song's bit rate and sampling frequency.
- Place USB devices and/or extension cords in a safe place where they do not interfere with driving.
- The USB connector on the front panel is only for USB Mass Storage Class memory devices.
- Compatible with USB1.1 and USB2.0 (max. transfer rate 12Mbps, equivalent of USB1.1)
- ECLIPSE is not responsible for any data loss on a USB device due to unit failure or malfunction.
- Do not disconnect a USB device while in use. Replacing it or terminating power during usage may damage stored data.
- Some USB devices may not function properly, depending on a USB device's condition and specifications.
- Products listed in this catalog are not compatible with multi-partition USB devices or USB hubs.
- To prevent permanent loss of important data, always backup data.
- Devices that require large current (bus power) may not function properly.
- Music files with copyright protection may not be reproduced.

Operation notes
- DVD-Video compatible units are only compatible with NTSC standards and Region-1 DVD-Video discs.
- DVD-Video is disabled when the vehicle is in motion. Inserting a DVD-Video will only allow the audio to be heard.
- The Global Positioning System or GPS was developed in the United States. It is a system that pinpoints a current position making use precisely of radio waves transmitted to earth from 3 or 4 GPS satellites.
- GPS data can sometimes be unavailable due to circumstances such as:
- Interrupted GPS satellite radio waves because of geographical interference factors such as buildings, tunnels, elevated roads and similar conditions.
- Unsatisfactory reception due to objects being on or in the near vicinity of the GPS antenna.
- Interrupted transmission service may sometimes result from periodic maintenance or upgrades being performed by the US-based GPS tracking control system.
- Transmission can be interrupted or degraded when a digital cellular operating on a 1.5GHz frequency rate is being used in the vicinity of the GPS-enabled unit.

AVN-specific
- AVN7000 map data compiled as of October 2004.
- AVN5495 map data compiled as of June 2004.
- AVN6620 map data compiled as of December 2006.
- Do not follow a navigation route if it could place you in an illegal, unsafe, or dangerous situation.
- Navigation controls cannot be operated in a moving vehicle.
- Please do keep in mind however that since emergency service providers sometimes change locations and services, a phone call should be made first to verify current availability before proceeding to the destination.
- The ECLIPSE navigation system requires its dedicated database for optimal performance. Do not insert other database DVDs that may cause the unit to malfunction or not respond.

AVX Receivers-specific
- Use map data (Area Shot) while being aware of actual road conditions and obeying traffic rules.
- Copying, publishing and the use of maps in electronic media or form are only possible when express written consent has been obtained prior to usage.

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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)

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