

ECLIPSE

New beginnings



AVN
AUDIO VISUAL NAVIGATION

2009 – 2010 Mobile Entertainment Brochure

FUJITSU TEN

The perfect finishing touch



AVN4400 NEW

DVD-Video/USB Multi-Source Receiver/
4.3" Portable Navigation/Built-in Bluetooth® wireless technology

MP3 WMA Bluetooth® USB



- Detachable TomTom Navigation • Factory-fit in-dash appearance • Spoken instructions from car speakers • Touch control • Choose preferred route • Multi-language selection
- 4.3" wide QVGA display • DVD mechanism • Built-in Bluetooth® wireless technology • USB connection • TomTom Services • Blue/Red switchable illumination
- Multi-format capable: DVD, DVD-R/RW, CD, CD-R/RW, MP3, WMA • Independent bass/mid/treble and loudness controls • Source Volume control • Crossover (low pass filter)
- MOSFET 50W x 4 channel outputs • Direct iPod® connection for audio/video • Accessories: Rear view camera, Travel Kit, AUX Cord, Direct cable for iPod® (IPC-409)

iPod® use requires a separately available connecting cable.

Driving enhanced

Features that make all the difference when you drive. From safety-related to full-on entertainment, the AVN4400's got it all.

Built-in Bluetooth® for hands-free operation



The AVN4400 lets you safely and effortlessly handle calls with its built-in Bluetooth® wireless technology supporting hands-free operation. Requiring no headsets, a sensitive built-in mic picks up your voice and routes incoming calls through the car speaker.

A Rear View Camera for added safety



The Rear View Camera allows you to see blind spots behind a vehicle by automatically projecting its rear view on the display whenever the gear is in reverse.



DVD video and iPod® video/audio playback

The in-car entertainment for audio and video is fully featured with a DVD slot that emerges with a push of a button. Instantly connect your iPod® to access your music and video with full controls on-screen. A separate USB connector maximises the AVN4400's connectivity.



Proven navigation



Quick response touch control

The AVN4400 incorporates TomTom's highly acclaimed navigation with quick response touch control to boost your driving experience.

TomTom Map Share™

A revolutionary map updater, the TomTom Map Share even lets you fix map errors yourself on the spot or incorporate corrections made by others on the web through PC connection.



Download useful contents

TomTom's rich downloadable contents include not only traffic and weather information, but also:

- Safety camera information
- POI edit
- Navigation voice change
- Map colour

A true road companion

AVN4400 NEW

DVD-Video/USB Multi-Source Receiver/4.3" Portable Navigation/Built-in Bluetooth® wireless technology

Portable design for maximum convenience

6:00 pm Bring it home with you



The AVN4400's innovative navigation screen detaches from the dock, allowing you to take it with you when leaving your car.

10:00 pm Planning ahead



When you're preparing to travel, you can connect the AVN4400's navigation screen to your computer to conveniently check online the latest driving information, software updates, as well as updated maps to customise them to your preferences.

8:00 am Review your travel plan



Go over your selected route to make sure everything you might need in the way of maps and related information that could be useful on your trip is included.



*Works with any car,
and not just your own*

*Take it with you when
you leave the car*

9:00 am Off you go!



Put the AVN4400's navigation section into its docking station and you're good to go. If you'll be using another car or a rental, it's easy to install just the navigation section in it.

Use anywhere



The AVN4400's navigation screen can be easily used in other cars by attaching it to a dedicated mounting unit. (sold separately)

Security



The compact navigation design allows you to take the unit with you, reducing the chances of break-ins and theft in your car.

Designed to excel

Stunning images and dynamic sound create an exceptional in-car experience.



AVN726EA NEW

DVD-Video/USB Multi-Source Receiver/7" Wide Screen Monitor/
Navigation/Built-in Bluetooth® wireless technology

SUN
GPS traffic updates

NAVTEQ
ON BOARD



5V PRE-OUT ESN MP3 WMA DVD VIDEO DIVX DOLBY DIGITAL Bluetooth® USB



- Flash memory navigation • 7" wide QVGA display • Touch control • Traffic information • Multi-format capable: DVD, DVD-R/RW, DivX, CD, CD-R/RW, MP3, WMA
- Multiple search modes • Voice guidance in English, Spanish and French • MOSFET 50W x 4 channel outputs • FM/AM • 3-band EQ • Low Pass Filter • 5V preamp output
- Blue/Red switchable illumination • Video output for rear monitor • AV input • Direct iPod® connection (USB) • ESN (Key CD security) • Accessories: Rear view camera, Side view camera

Maximum satisfaction

Effortless operation



The 2GB flash memory navigation stands out with clear graphics and easy to use operations. Map scrolling and zooming are processed instantly without any delay.

A few touches on screen and you're ready to go!



Recognisable icons and simple search routines.

Maximum entertainment

All you could want is right in the AVN726EA

- DVD playback
- iPod® music and video
- Bluetooth® hands-free calling and audio streaming



SD Card aids navigation

Download the most up-to-date map information onto an SD card to transfer over to the AVN726EA and never deal with outdated maps again.



ESN adds peace of mind

ECLIPSE's acclaimed security feature can be activated with the engine switched off, preventing tampering and unauthorised removal. A deterrent warning flashes, warning that ESN is operating. A user-designated CD can be used to 'lock' the unit and make it unoperable unless the same device is used for 'unlocking'.

Maximum clarity and sound quality

Clarity



The advanced digital image processing technology adjusts for optimum outlining, colour-depths and contrasts to make the image more vivid. The digital to digital TFT monitor further improves contrast by keeping data transfers in digital format and eliminating noise and smears caused by conventional analog conversion processes.

These images are not the actual screen shots and are shown here for the explanatory purposes.

Emphasis on sound quality



The ECLIPSE commitment to sound quality involves constant testing and evaluation of strictly selected components such as Elna capacitors and coils, offering an audiophile-grade 5V preamp out, and extensive listening to ensure the highest sound quality.

Match colours



Versatility with 5 colours to match the new generation of iPods.



Maximum safety and functionality

Rear View Camera

Give yourself peace-of-mind and enjoy your drive safely. Connect the ECLIPSE Rear View Camera (BEC106) to the AVN726EA and project blind spots near the rear of the vehicle onto the screen when your car is in reverse.



Built-in Bluetooth enables quick connection

The built-in Bluetooth on the AVN726EA delivers Hands-Free Calling and Audio Streaming in conjunction with your corresponding Bluetooth device. Bluetooth pairing speed is more than four times faster than conventional navigation products (an average of 3 to 4 seconds). And boot-up is quick as well. ECLIPSE is dedicated to ease-of-use, especially in such often-used functions.



3-D city maps

Set an angle that is easiest for you to see with a touch of a screen. A bird's eye view guidance is as close to the real thing as possible with easy to understand 3-D city maps. Setting destinations is a breeze with easy to navigate menus.



5V high voltage

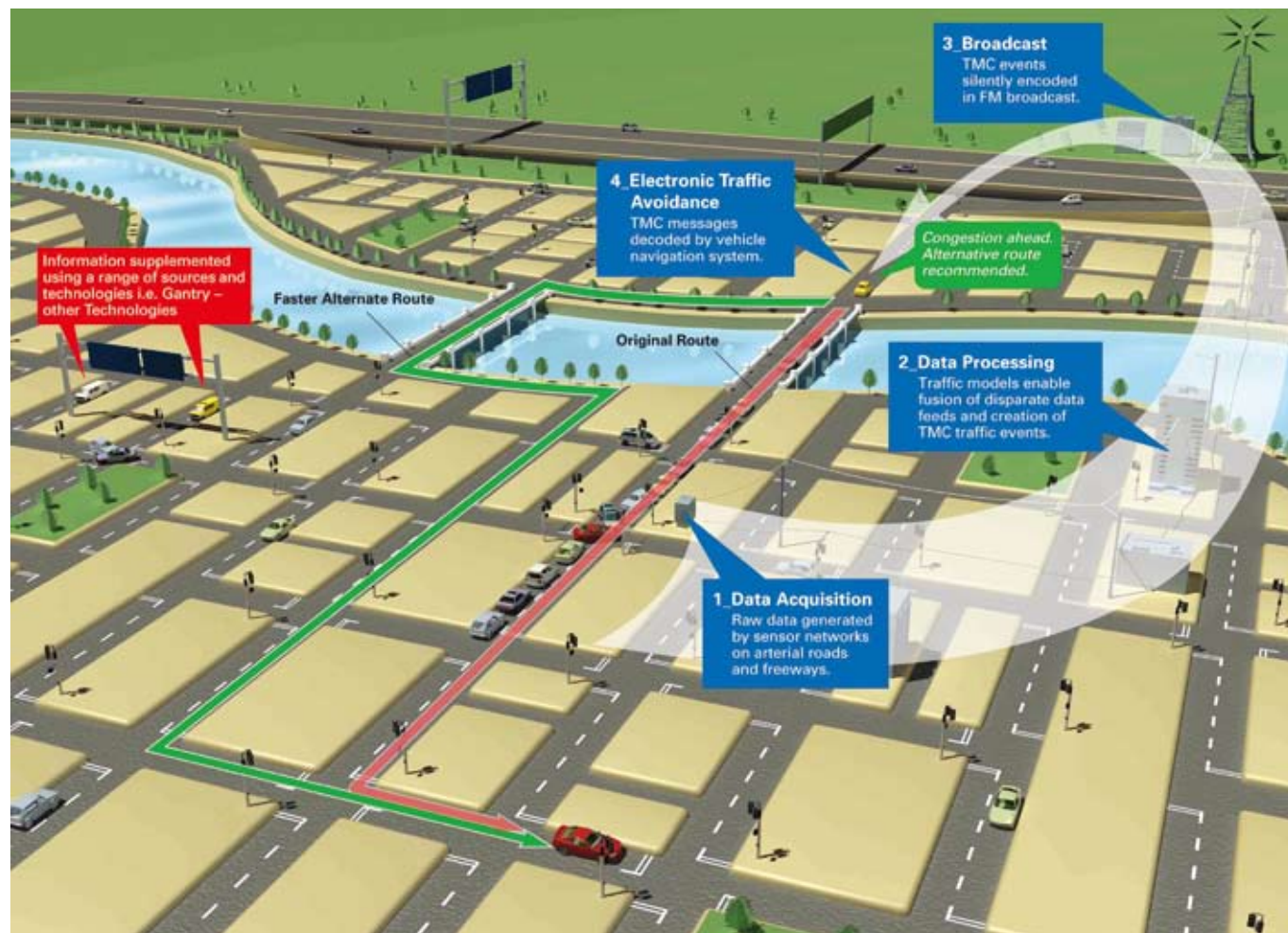
A 5V pre-out is an ECLIPSE standard. When the power amplifier receives an equal output, a low input signal voltage will cause the amp's amplification rate (gain) to rise, resulting in significant distortion and noise and deterioration in sound quality. The AVN726EA achieves high quality sound with minimal distortion and noise by increasing the output voltage of the main unit and thus effectively lowering that amplification rate.



Avoid traffic congestion



SUNA GPS Traffic Updates is a service that broadcasts real-time traffic information directly to navigation systems. Armed with this incredible knowledge of real-time road conditions, the AVN4400 and AVN726EA can inform you of conditions ahead and recommend routes that minimise congestion.



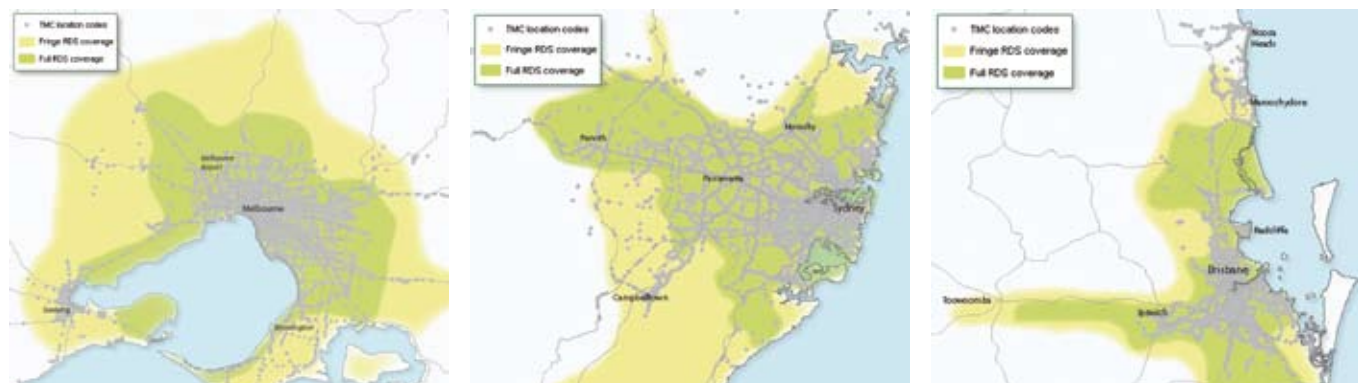
With SUNA GPS Traffic Updates, your Eclipse navigation system adds value every day, every trip – not just when you're lost – by helping answer questions like:

- How long will I be delayed?
- When will I arrive?
- Should I detour?
- What is causing this jam?

With both the AVN4400 and the AVN726EA, Suna GPS Traffic Updates are free to receive for the life of your device - no ongoing license costs, and no mobile data charges.*

Australian Coverage

The SUNA GPS Traffic Updates broadcast reception can be affected by a range of factors including atmospheric conditions, terrain, the built environment and antenna efficiency and placement. This map is a guide only and local variations may occur.



At time of print, Suna traffic service for Perth, Adelaide and Canberra is planned for Q3 2009. For updated information please go to www.sunattraffic.com.au/coverage.html

* Conditions apply. For more information please visit www.sunattraffic.com.au.

Focus on music



Great sound begins with good basics



CD7200 mkII

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



8V
HIGH VOLTAGE

iPod®
FULL CONTROL
READY

BUILT-IN
Bluetooth®

ADVANCED
DSP

W/O
AMPLIFIER

6-PATTERN
ILLUMINATION

TWIN
SECURITY

- Copper-plated chassis • Gold-plated RCA pins • Built-in Bluetooth® wireless technology • USB connection • Full dot VF display • E-iSERV connectivity • 11-band / 7-band PEQ
- Time alignment • Crossover • Circle Surround II • Multi Harmoniser • No power amplification • 8V Pre-Out • 6-pattern illumination • Remote control • E-LAN data link system • AUX Input
- Full iPod® control • Detachable Front Panel / ESN (Key CD Security)



CD5030 NEW

CD/USB Multi-Source Receiver /
Built-in A2DP Bluetooth® wireless technology



MOSFET
50W x 4

iPod®
DIRECT
CONNECTION

BUILT-IN
Bluetooth®

ENHANCED
DSP

Blue/Red
SWITCHABLE
ILLUMINATION

TWIN
SECURITY

- Built-in Bluetooth® wireless technology • USB connection • Monochrome OEL display • MOSFET 50W x 4 channel outputs • 7-band PEQ and loudness control • Auto EQ (using a microphone)
- Time Alignment (Auto/Easy) • Crossover • 5V preamp output • Blue/Red switchable illumination • Twin security system • Remote control • E-LAN data link system • AUX input
- Direct iPod® connection (USB) • Simple search function for iPod® • Detachable front panel/ESN (Key CD Security)



CDI200

CD/USB Multi-Source Receiver

MP3 WMA AAC



USB

40W x 4

iPod®
DIRECT CABLE

USB
CONNECTION

3-band EQ

Red/Green
SWITCHABLE
ILLUMINATION

DETACHABLE
FRONT PANEL



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

AVN – getting there is more fun.

Entertainment integrates with portable navigation



AVN2210p

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

5V_{PRE-OUT} MP3 WMA Bluetooth® USB



Innovative solution delivers more possibilities



The AVN2210p 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.

Instructions that sound much better

Spoken instructions are heard through the speaker closest to the driver. Program material automatically mutes so instructions are heard by the driver.

Note: Speaker muting characteristics differ when playing program material from auxiliary devices connected to the AVN2210p.

Navigate in any condition



The AVN2210p combines GPS information as well as the vehicle speed pulse to ensure exceptional navigation even in tunnels or underground sections of roads.

Navigation optimised

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

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.



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



Convenient touch-screen menu selection

All features are accessible from the touch-screen menu. Easily change settings such as routing and languages.

- 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 • 3.5" 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 • Multi-format capable (CD, CD-R/RW, MP3 and WMA) • Separate Bass/Mid/Treble controls • Source Volume Control • Crossover (low pass filter)
- 50W x 4 • Accessories: Full iPod® control (IPC-107p optional), AUX input (AUX105 optional), Travel Kit (TRK-107p optional)

Accessories

Interface Adapter for iPod®

iPod® full control: AVN726EA, AVN4400, CD7200 mkII, CD5030, and CD1200



IPC-709

Direct Cable for iPod® for AVN726EA



IPC-409

Direct Cable for iPod® for AVN4400



IPC-I09

Direct Cable for iPod® for CD5030



IPC-008

Direct Cable for iPod® for CD1200



IPC-I06

Interface Adapter for iPod® for CD7200

Dimensions (WxHxD): 120 x 32 x 90mm
* All functions may not be available



IPC-I07p

Direct Cable for iPod® for AVN2210p

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

TRK-409 NEW

Travel Kit

All the most useful options for getting the most from the AVN4400.

- Home charger
- Installation poster
- Windshield dock
- CLA-mini USB
- Headunit cover

TRK-I07p

Travel Kit

Travel Kit for AVN2210p.

- AC adapter
- 12V socket adapter + USB cable
- Windshield dock
- CLA-mini USB
- Main unit connector cover



For more driving assistance



BEC I06

Rear View Camera

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



FEC I06

Side View Camera

Front-mount camera that scans the sides as well as the front of the vehicle.



CAB I06

Power Supply for Camera

Power Supply for FEC106.

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



AUX I05

AUX Cord

Works with AVN4400, CD7200 mkII, CD5030



MEI-I00

Pro Tuning Microphone

Measures system response to help optimise system frequency response.

Optional for: CD7200 mkII and CD5030



RMC I05

Wireless Remote

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

Optional for: CD1200

Amplifiers and Speakers

Amplifiers



ice
power

ZAI200 1000W

1KW High Power 1 Channel Monoblock Class D Subwoofer Amplifier

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



ice
power

XA4200 100W x 4

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

XAI200 500W

1 Channel Monoblock Class D 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



ice
power

EA4200 60W x 4

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

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

Subwoofers — SW8200 Series



SW8210 NEW

12" Subwoofer (4Ω)

- RMS power handling: 750W/700W
- Anodised aluminium dome and airfired paper cone
- Dual flat polycotton spiders
- Single 4Ω inside/outside voice coil
- Backplate venting system
- Progressive "S" surround



SW8010 NEW

10" Subwoofer (4Ω)

Subwoofers — SW6200 Series



SW6210

12" Subwoofer (4Ω + 4Ω)

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



SW6010

10" Subwoofer (4Ω + 4Ω)

Subwoofers — SW4200 Series



SW4210

12" Subwoofer (4Ω + 4Ω)

- RMS power handling: 250W/200W
- Max. power handling: 750W/600W
- Kevlar composite cone
- Integrated grill assembly
- Santoprene surround
- Polycarbonate spider
- 74oz magnet (SW4210), 53oz magnet (SW4010)
- 4-layer aluminium dual voice coil
- Air vent cooling system



SW4010

10" Subwoofer (4Ω + 4Ω)

Component Series Speakers — 3-Way SC-Series



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"



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"

Component Series Speakers — 2-Way SC-Series



SC6900

6-9" 2-Way Driver with 1" Silk Tweeter

- 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" Silk Tweeter

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

Point Source Series Speakers — 2-Way SP-Series



SP6910

6 x 9" 2-Way Point Source

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



SP6510

6-1/2" 2-Way Point Source

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



SE6900

6 x 9" 4-Way

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



SE5700

5 x 7" 3-Way

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

Integrated Series Speakers



SE6500

6-1/2" 3-Way

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



SE5000

5-1/4" 3-Way

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



SE4600

4 x 6" 2-Way

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



SE4000

4" 2-Way

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

Features and Specifications

AVN Series Feature List

	AVN4400	AVN726EA	AVN2210p
Display			
Display Size	4.3" WIDE QVGA	7" WIDE QVGA	3.5" TFT
Resolution	391,680 dots (480 x 272 x 3)	391,680 dots (480 x 272 x 3)	230,400 dots (320 x 240 x 3)
Touch Panel Control	●	●	●
Dimmer Control	●	●	●
Opening Screen Customisation	●	●	●
Navigation			
Navigation Device	Flash memory + SD	Flash memory	SD
Built-in Memory Map Storage	2GB	2GB	—
Display Languages	22	14	34
Voice Instruction Languages	36	14 countries / 50 different types	34
Speed Pulse	●	—	●
POI	approx. 2,988,000 points	approx. 16,270,000 points	approx. 530,000 points
City Map	●	● (3D)	●
Emergency Search	● (Help me! Menu)	—	—
Real-time Traffic Info	● RDS-TMC(SUNA GPS Traffic Updates™)	● RDS-TMC(SUNA GPS Traffic Updates™)	—
Multiple Routing	●	●	●
Last Docked Search	●	—	●
Voice Recognition	●	—	—
TomTom PLUS Services	●	—	●
Easy Map Update (using a PC)	●	● (SD)	●
Steering Remote-ready	●	●	●
Compatible Media/Format			
CD, CD-R/RW	●	●	●
DVD-Video, DVD-R/RW, DVD+R/RW	●	●	—
DVD Picture Format	NTSC	NTSC	—
MP3	● (CD/USB)	● (CD/USB)	● (CD/USB)
WMA	● (CD)	● (CD)	●
DivX	—	●	—
Audio Functions			
Preamp output	F/R/NF, 3V 6CH	F/R/NF, 5V 6CH	F/R/NF, 5V 6CH
Video Input	●	● (AV)	—
Source Volume Control	●	●	●
Source Tone Memory	●	—	—
Loudness	●	●	●
Crossover (Low Pass Filter)	●	●	●
EQ	● (Bass/Mid/Treble)	● (Bass/Mid/Treble)	● (Bass/Mid/Treble)
Balance/Fader control	●	●	●
Non-Fader/Phase level control	●	●	●
External Interface			
Bluetooth Unit	Built-in	Built-in	Built-in
iPod	● (iPC-409)	● (iPC-709)	● (iPC-107p)
iPod Video	● (iPC-409)	● (iPC-709)	—
USB (Audio)	●	●	●
AUX input	●	●	●
Rear View Camera	●	●	—
Rear Monitor	●	● (Video Out)	—
Other			
Illumination	Blue/Red	Blue/Red	Red
Tilt	● (6 steps)	● (6 steps)	●
PND Part Functions			
Bluetooth Hands-free Call	●	—	●
Mic for Hands-free Call	● (Built-in)	—	● (Built-in)
Opening Picture Customising	● (JPEG/BMP)	—	● (JPEG/BMP)
USB Version	1.1, Full-speed	—	1.1

AVN Series Specifications

	AVN4400	AVN726EA	AVN2210p
GENERAL			
Power output	MOSFET 50W x 4	MOSFET 50W x 4	50W x 4 (MAX)
Power supply	13.2V DC (11–16V)	13.2V DC (11–16V)	13.2V DC (11–16V)
Dimensions (W x H x D)	180 x 100 x 165 mm	180 x 100 x 165 mm	180 x 100 x 165 mm
Weight	2.5 kg	2.5 kg	2.5 kg
Dimensions (PND only)	130 x 82.5 x 24.5mm	NA	101 x 76.1 x 23.3mm
Weight (PND only)	.2kg	NA	.2kg
Operating temperature range	-20°C — 65°C (-4°F to 149°F)	-20°C — 65°C (-4°F to 149°F)	-20°C — 65°C (-4°F to 149°F)
Operating temperature range (PND only)	-10°C — 55°C (14°F to 131°F)	NA	-10°C — 55°C (14°F to 131°F)
FM TUNER			
Frequency range	87.5 — 108.0 MHz (100 kHz step)	87.5 — 108.0 MHz (100 kHz step)	87.5 — 108.0 MHz (100kHz step)
Usable Sensitivity	15dBf	15dBf	15dBf
AM TUNER			
Frequency range	522 — 1710 kHz (9 kHz step)	522 — 1710 kHz (9 kHz step)	522 — 1710 kHz (9 kHz step)
Usable Sensitivity	27dB (1kHz)	27dB	27dB
CD SECTION			
Frequency response	20 Hz — 20,000 Hz ± 3 dB	20 Hz — 20,000 Hz ± 3 dB	20 — 20,000 Hz ± 3 dB
Wow & Flutter	Below measurable limit	Below measurable limit	Below measurable limit
S/N Ratio	75dB	88dB	95dB
Dynamic Range	95dB	86dB	95dB
Total Harmonic Distortion	0.008%	0.008%	0.008%
DVD SECTION (Audio Part)			
Frequency Response	20 Hz — 20,000 Hz ± 3 dB	20 Hz — 20,000 Hz ± 3 dB	—
Wow & Flutter	Below measurable limit	Below measurable limit	—
S/N Ratio	70dB	90dB	—
Dynamic Range	95dB	87dB	—
Total Harmonic Distortion	0.008%	0.01%	—
USB MEMORY PLAYER SECTION			
USB Interface	1.1	USB2.0 Full speed (Max: 12Mbps)	1.1
Frequency Response	20 Hz — 20,000 Hz ± 3 dB	20 Hz — 20,000 Hz ± 3 dB	20 Hz — 20,000 Hz ± 3 dB
Channel Separation	65dB	80dB	—
S/N Ratio	75dB	94dB	95dB
Total Harmonic Distortion	0.008%	0.005%	0.008%
EQUALISER SECTION			
Loudness	±9dB at 100Hz / +6dB at 10kHz	+ 5dB at 100 Hz / +4dB at 10 kHz	±9dB at 100Hz / +6dB at 10kHz
Bass/Mid/Treble Control	±11db at 80 Hz/ 700 Hz / 10 kHz	±11db at 80 Hz/ 700 Hz / 10 kHz	±11dB at 80Hz / 700Hz / 10kHz

Bluetooth® Function List

		AVN4400	AVN726EA	CD5030	CD7200 mkII
General	Bluetooth® Profile	HFP (Hands Free Profile)	●	●	●
		OPP (Object Push Profile)	●	●	●
		A2DP (Advanced Audio Distribution Profile)	—	●	●
		AVRCP (Audio/Video Remote Control Profile)	—	●	●
		HSP (Headset Profile)	●	—	—
	Bluetooth® Antenna	● (Built in)	● (Built in)	● (Built in)	● (Built in)
Hands Free	Microphone	● (Built in)	● (Rear Connection)	● (Rear Connection)	● (Built in)
	Auto Connection		●	●	●
	Outgoing functions	Dial tone	●	●	●
		Outgoing calls memory	●	●	●
		Incoming calls memory	●	●	●
		Preset dial calls	●	●	●
		Phonebook	●	●	●
	Incoming functions	Disconnection	●	●	●
		Auto answering	●	●	●
		Call reject	●	●	●
	Call transfer (Mobile phone ↔ vehicle)		●	—	●
Audio Streaming	Phonebook transfer		●	●	●
	Number of registered handsets		5	5	5
	Max. number of connectable devices		—	1	1
	Connection indicator		—	●	●
	Play		—	●	●
	Pause		—	●	●
	TRACK UP/DOWN		—	●	●
	FAST UP/DOWN		—	●	●

Features and Specifications

CD Receivers Feature List

	CD7200 mkII	CD5030	CD1200
CONTROL			
Remote Control	●	●	optional
CD Changer Control	●	●	—
CD, CD-R/RW	●	●	●
USB	●	●	●
WMA	●	●	●
MP3	●	●	●
AAC	—	—	●
Ready for iPod®	● (iPC-106)	● (iPC-109)	● (iPC-008)
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 $\Delta\Sigma$ DAC	●	—	—
Source Volume Control (SVC)	●	●	—
Circle Surround II	●	—	—
Parametric EQ	11 band (Front 3 way) 7 band (4 SP+Subwoofer)	7 band (4 SP+Subwoofer)	—
Graphic EQ	—	—	● (Easy: 3 band)
Time Alignment	●	● (Auto/Easy)	—
Crossover	●	●	—
Bass/Mid/Treble Control	●	—	●
Loudness	● (Manual)	● (Manual)	● (Manual)
Multi-Harmoniser	●	●	—
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)	●
Mute	●	●	●
GENERAL			
Display	Full Dot VF	Monochrome OEL	LCD
Illumination	6 pattern	Blue/Red	Green/Red
Brightness Control	—	—	—
Dimmer Control	●	●	●
Bluetooth® Wireless Technology	● (Built-in)	● (Built-in)	—
Hands-free call/Audio Streaming	●	●	—
ESN Security	●	●	—
Detachable Front Panel	●	●	●
Face Type	Motorised	Flip type	Fixed
E-ISERV			
Audio Customisation	●	—	—
Display Customisation	●	●	—

CD Receivers Specifications

14.4V Power Supply		CD7200 mkII	CD5030	CD1200
Max. Power Output		no amplifier section	50W x 4 (MOSFET)	40W x 4
Lineout Output Level/Impedance		8V(0dB)/55 Ω	5V(0dB)/55 Ω	3V(0dB)/55 Ω
Tone Control	Bass/Mid/Treble	±12dB at 80Hz/ ±12dB at 630Hz/ ±12 at 10kHz	—	±12dB at 100Hz/ ±12dB at 680Hz/ ±12dB at 10kHz
	Loudness	—	+10dB at 100Hz/+6dB at 10kHz	—
FM	Frequency Range	—	87.5 — 108kHz (100kHz step)	—
	Usable Sensitivity	—	15dBf	—
	Frequency Response	—	30 — 15,000Hz ±3dB	—
	Stereo Separation	—	38dB (1kHz)	—
AM	Frequency Range	—	522 — 1,710kHz (9kHz step)	—
	Usable Sensitivity	—	22 μ V	—
CD	Frequency Response	—	20 — 20,000Hz, ±3dB	—
	Wow & Flutter	—	Below measurable limit	—
	Channel Separation	85dB	80dB	—
	S/N Ratio (A-weighted)	100dB	90dB	90dB
USB	Dynamic Range	98dB	90dB	90dB
	Total Harmonic Distortion	—	0.008%	—
	USB Interface	—	1.1	—
	Frequency Response	—	20 — 20,000Hz, ±3dB	—
Weight	S/N Ratio (A-weighted)	100dB	95dB	90dB
	Total Harmonic Distortion	—	0.008%	—
Dimensions (W x H x D) at maximum		1.7kg (178 x 50 x 155mm)	1.6kg (178 x 50 x 184.5mm)	1.43kg (178 x 50 x 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		1200W	200W x 4	600W	80W x 4
Power Output 1%THD	2Ω	1000W	175W x 4	500W	70W x 4
	4Ω	1000W	100W x 4	500W	60W x 4
	4Ω Sub Chnl.	1000W	—	500W	—
THD@Rated Power	4Ω Bridged	—	400W x 2	—	150W x 2
	@2Ω	—	—	—	—
	@4Ω	—	0.05%	0.05%	0.1% (at 55W x 4)
	@4Ω Sub Chnl.	0.25%	—	0.25%	—
S/N Ratio*, 1W out		>80dB	>90dB	>90dB	>80dB
Frequency Response, 1W out		20 — 200Hz	20 — 20kHz	20 — 200Hz	20 — 20kHz
Amp Crossovers	Hi-Pass 18dB/oct.	N/A	32Hz — 500Hz	N/A	32Hz — 500Hz (12dB/oct)
	Lo-Pass 18dB/oct.	32Hz — 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 x H x D)		310mm x 60mm x 256mm	310mm x 60mm x 256mm	260mm x 60mm x 256mm	190mm x 60mm x 256mm

Subwoofer Specifications

	SW8210	SW8010	SW6210	SW6010	SW4210	SW4010
Dimensions	12"	10"	12"	10"	12"	10"
RMS Power Handling	750W	700W	500W	450W	250W	200W
Max Power Handling	—	—	1500W	1300W	750W	600W
Fs	20Hz	21Hz	20.5Hz	22Hz	25Hz	25Hz
Qts	0.37	0.36	0.45	0.41	0.5	0.55
DCR	4Ω	4Ω	4Ω+4Ω	4Ω+4Ω	4Ω+4Ω	4Ω+4Ω
Vas	1.5 cu ft	1 cu ft	2.25 cu ft	1 cu ft	5.5 cu ft	3 cu ft
Xmax (one way)	28mm	22mm	15mm	12mm	12mm	12mm
Dual voice coil	—	—	●	●	●	●
Sensitivity	86.5dB	86dB	90dB	88dB	88dB	86dB
Voice Coil Former	TIL	TIL	EIAL	EIAL	Aluminium	Aluminium
Woofer Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite

Speaker Specifications

	SC8365	SC8355	SC6900	SC6500	SP6910	SP6510
Woofer Size	6-1/2"	5-1/4"	6 x 9"	6-1/2"	6 x 9" (woofer)	6 -1/2" (woofer)
Midrange Size	1-1/2"	1-1/2"	—	—	—	—
Tweeter Size	3/4"	3/4"	1"	1"	1" (Tweeter)	1" (Tweeter)
RMS Power Handling	100W	85W	80W	75W	90W	60W
Max Power Handling	300W	250W	240W	225W	270W	180W
Frequency Response	30 — 25,000Hz	35 — 25,000Hz	65 — 25,000Hz	84 — 25,000Hz	40Hz — 25kHz	65Hz — 25kHz
Sensitivity	88dB	87dB	86dB	84dB	88dB	87dB
Cone Material	Solid Spun Aluminium	Solid Spun Aluminium	Glass fibre and Kevlar	Glass fibre and PMI	Carbon fibre with cotton backed cone	Carbon fibre with cotton backed cone
Surround Material	Santoprene	Santoprene	Rubber	Rubber	Rubber	Rubber
Voice Coil Former	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	TIL
Midrange Dome	Aluminium	Aluminium	—	—	—	—
Tweeter Dome	Aluminium	Aluminium	Soft silk	Soft silk	Soft silk	Soft silk
Tweeter Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Woofer Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Mounting Depth	2-7/8"	2-5/8"	2-3/8"	2-1/4"	3-1/2"	2-1/4"

	SE6900	SE6500	SE5700	SE5000	SE4600	SE4000
Woofer Size	6 x 9" 4-Way	6-1/2" 3-Way	5 x 7" 3-Way	5-1/4" 3-Way	4 x 6" 2-Way	4" 2-Way
Midrange Size	1-1/2"	—	—	—	—	—
Tweeter Size	1"	1"	1"	1"	—	—
Super tweeter Size	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
RMS Power Handling	75W	40W	40W	30W	30W	25W
Max Power Handling	220W	120W	120W	90W	90W	75W
Frequency Response	40Hz — 25kHz	55Hz — 25kHz	60Hz — 25kHz	60Hz — 25kHz	60Hz — 25kHz	90Hz — 25kHz
Sensitivity	92dB	90dB	90dB	90dB	88dB	88dB
Cone Material	Hybrid Mica PP cone	Hybrid Mica PP cone	Hybrid Mica PP cone	Hybrid Mica PP cone	Hybrid Mica PP cone	Hybrid Mica PP cone
Surround Material	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber	Butyl Rubber
Voice Coil Former	Kapton	Kapton	Kapton	Kapton	Kapton	Kapton
Midrange Dome	Mylar	—	—	—	—	—
Super tweeter	Mylar	Mylar	Mylar	Mylar	—	—
Tweeter Dome	P.E.I.	P.E.I.	P.E.I.	P.E.I.	—	—
Tweeter Magnet Material	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium	Neodymium
Woofer Magnet Material	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
Mounting Depth	3-1/16"	1-7/8"	2-1/8"	1-7/8"	1-3/4"	1-5/8"

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 installation 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 colour(s) of the actual product may slightly differ from those shown on these pages.
- Some screen images shown are simulated.

AVN-specific

- 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.

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Others

- 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 finalised 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 initialisation 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.
- 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 catalogue 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-4 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.



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