

Standard (provided in box)

- Home charger
- USB Cable
- Quick Start Guide
- Installation CD  
(Includes TomTom HOME, Full Manual)
- Pouch for PND
- PND Connector Cover

Accessories

TRK-409  
Travel Kit

- Installation poster
- Windshield dock
- Car Charger - mini USB
- Headunit cover

BEC 108  
Rear View Camera



iPC-409  
Direct Cable for iPod



AUX 105  
AUX Cord

Specifications

	AVN4429
<b>GENERAL</b>	
Power output	MOSFET 50 W x 4 (MAX)
Power supply	13.2 V DC (11–16 V)
Dimensions (W x H x D)	180 x 100 x 165 mm
Weight	2.5 kg
Dimensions (PND only) (W x H x D)	130 x 82.5 x 24.5 mm
Weight (PND only)	0.2 kg
Operating temperature range (Main unit only)	-20°C – 65°C
Operating temperature range (PND only)	-10°C – 55°C
Suitable load impedance	4Ω
<b>DISPLAY</b>	
Display	4.3" WQVGA
Resolution	391,680 pixel (480 x 272 x 3)
<b>FM TUNER</b>	
Frequency range	87.5 – 108.0 MHz (50 kHz step)
<b>AM TUNER</b>	
MW Frequency range	522 – 1,611 MHz (9 kHz step)
LW Frequency range	153 – 279 MHz (3 kHz step)
<b>CD SECTION</b>	
Frequency response	20 – 20,000 Hz, ±3 dB
<b>USB MEMORY PLAYER SECTION</b>	
USB Interface	1.1, Full speed
<b>EQUALIZER SECTION</b>	
Bass/Mid/Treble Control	±11 dB at 80 Hz/±11 dB at 700 Hz/±11 dB at 10 kHz/

Feature List

	AVN4429
<b>DISPLAY</b>	
Touch Panel Control	●
Dimmer Control	●
<b>NAVIGATION</b>	
Navigation Device	Flash memory + SC
Built-in Memory Map Storage	2GB
Navigation Menu Languages	25
Speed Pulse	●*1
City Map	●
Emergency Search	● (Help me! Menu)
Multiple Routing	●
Real-time Traffic Info	● (RDS-TMC+TomTom Traffic)
Last Docked Search	●
Voice Recognition	●*2
Text-to-Speech	●*2
TomTom Services	●
Map Share™ (Real-time Map Update)	●
Easy Map Update	● (using a PC)
<b>COMPATIBLE MEDIA/FORMAT</b>	
CD, CD-R/RW	●
DVD-Video, DVD-R/RW, DVD+R/RW	●
DivX	● (CD/DVD)
MP3	● (CD/DVD/USB)
WMA	● (CD/DVD)
<b>AUDIO FUNCTIONS</b>	
Preamp Output	F/R/NF, 3V 6CH
AV Input	●
Source Volume Control	●
Source Tone Memory	●

	AVN4429
<b>Loudness</b>	
Crossover (Low Pass Filter)	●
EQ	● (Bass/Mid/Treble)
Balance/Fader control	●
Non Fader level/Phase control	●
Steering Remote-ready	●
<b>PRESET TUNER</b>	
AM	6
FM	18/RDS
<b>RDS</b>	
PI (Program Identification)	●
PS (Program Service)	●
TA (Traffic Announcement)	●
TP (Traffic Program)	●
EON (Enhanced Other Net's information)	●
AF (Alternative Frequency; Network Following Function)	●
REG (Regional)	●
PTY <PTY31> (Program Type)	●
RT (Radio Text)	●
TA Volume Control	●
TMC (Traffic Message Channel)	● (Built-in)
<b>EXTERNAL INTERFACE</b>	
Bluetooth® Unit	● (Built-in)
iPod (Music and Video playable)	● (iPC-409)
USB (Audio)	●
AUX input	● (AUX 105)
Rear View Camera	● (BEC 108)
Rear Monitor	●

\*1 Only when docked. \*2 The unit does not function with some languages.

	AVN4429
<b>OTHER</b>	
Illumination	Red/Green
Tilt	● (6 steps)
<b>PND Part Functions</b>	
Bluetooth® Hands-free Call	●
Opening Picture Customizing	●
Picture Viewer	●
<b>Map coverage area</b>	
Andorra, Austria, Belgium, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Liechtenstein, Luxembourg, Monaco, The Netherlands, Norway, Gibraltar, Portugal, San Marino, Spain, Sweden, Switzerland and Vatican City.	
<b>Navigation Menu Languages</b>	
Afrikaans, Catalan, Czech, Danish, Dutch, English (UK), English (US), Estonian, Finnish, Flemish, French, German, Hungarian, Italian, Latvian, Lithuanian, Malay, Norwegian, Polish, Portuguese (Brazil), Portuguese (Portugal), Slovakian, Spanish, Swedish and Turkish.	

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 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.

- 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.

- Licensing and Trademarks**
- "Dolby", "Pro Logic" and the double D symbol are trademarks of Dolby Laboratories and the Dolby Laboratories Licensing Corporation.
  - DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.
  - The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by FUJITSU TEN LIMITED is under license. Other trademarks and trade names are those of their respective owners.

- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- © 2008 TomTom International BV, The Netherlands.
- All other trademarks and logos are the property of their respective owners.

- 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 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.
  - 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.
  - 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 is only for USB Mass Storage Class memory devices.
  - Compatible with USB1.1 (USB2.0 devices may be connected but the data transfer rate will not exceed that 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.
- AVN4429 is not compatible with USB hubs.
- To prevent permanent loss of important data, always backup data of USB device and PND. You can make a backup of navigation data by using TomTom HOME.
- 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 compatible with PAL standards and Region-2 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.
  - RDS-TMC is available only while the navigation section is docked to the main unit.

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www.tomtom.com

www.eclipse-web.com/eu/



**AVN4429** NEW  
In-Car Audio Visual Navigation



# The perfect finishing touch

## AVN4429 NEW

In-Car Audio Visual Navigation

MP3 WMA    Bluetooth® RDS TMC USB

       

• Detachable TomTom Navigation • Factory-fit in-dash appearance • Spoken instructions from car speakers • Touch control • Choose preferred route • Multi-language selection • 4.3" WQVGA display • DVD mechanism • Built-in Bluetooth® wireless technology • USB connection • TomTom Services • Red/Green switchable illumination • Multiformat-capable: DVD, DVD-R/RW, DivX, CD, CD-R/RW, MP3, WMA • Independent bass/mid/treble and loudness controls • Source Volume control • Crossover (low pass filter) • MOSFET 50W 5.4 channel outputs • Direct iPod connection for audio/video • Steering Remote Control ready (for multi-media) • AV-in/out for Rear Monitor • Accessories: Rear view camera, Travel Kit, AUX Cord

\*iPod use requires a separately available connecting cable.

# A true road companion

## Enjoy enhanced driving

With all the most in-demand features from driving safety-related to versatile entertainment, the AVN4429 has it all.

### Hands-free operation with built-in Bluetooth® wireless technology



Handle your in-car phone calls safely and effortlessly as Bluetooth® supports full hands-free incoming/outgoing calling. No headset is needed as a sensitive built-in mic picks up what you say. Incoming calls are also heard better as they are routed through the car's speakers.



### DVD video, iPod video plus audio and USB as well

The AVN4429 includes a DVD-video and DivX player that emerges with a single button push. Your iPod connects instantly with controls and functions now accessible on the touch control display. In addition, a separate USB connector allows connecting other devices.

Refer to the official ECLIPSE website on compatibility with Bluetooth® and iPod.

[www.eclipse-web.com/eu/](http://www.eclipse-web.com/eu/)



### Driving assistance with a Rear View camera



Using the optional Rear View camera greatly helps with blind spots. As soon as reverse gear is engaged, the camera will display the rear view on the AVN4429's display.

## Proven navigation

Reach your destination with confidence on the first try with easy-to-use and accurate maps, menus, GPS+Speed Pulse, and spoken instruction from your car speaker. (The navigation unit will function even when the Speed Pulse is disconnected.)

### RDS-TMC ready



Being built into the AVN4429, you can use RDS-TMC to get the very latest traffic information in real-time. Travel becomes smoother as you can use alternate routes to avoid traffic problems as they occur.

### Quick response touch control



The AVN4429's responsive touch control display perfectly complements TomTom's outstanding navigation features to make your driving exceptionally comfortable.

### Download useful contents



Get the advantages offered by TomTom's rich downloadable content which includes traffic and weather information as well as others including:

- Safety camera information
- POI edit
- Navigation voice change
- Map color and much more.

### TomTom Map Share™

This innovative map updating feature allows you to correct map errors on the spot as well as to include map corrections that other users have made via an online computer connection.

## Operates in any car besides your own



### Use anywhere

The AVN4429's navigation section can be used by itself in other cars. A dedicated mounting unit is separately available. The navigation now has an internal microphone, for making hands-free calls using Bluetooth®.

## Take it with you whenever you leave the car



### Security

The AVN4429's navigation unit is a compact design that you can take with you to reduce chances of car break-ins and theft.

## Portable design for maximum convenience



### Bring it home with you

The AVN4429's innovative navigation section easily detaches from its dock on the main unit. It's a simple matter to detach it whenever you leave the car and bring it with you.



### Make your travel plans

Preparing for travel, simply connect the AVN4429's navigation section to a computer to conveniently check for the most up-to-date driving information and latest maps which you can customize as desired. Software version updates can also be downloaded.



### Review your travel plan

Before the start of travel, review your selected routes to make sure all the maps and related information that could be of use to you on your trip are included.



### Off you go!

Just put the AVN4429's navigation section back into its dock and you're ready to go. If you'll be using another car or perhaps a rental on your trip, it's easy to install just the navigation section in it so you can continue to take advantage of its superb navigation assistance.