



ZE-NC4612

Car Specific Naviceiver

Compatible with MERCEDES-BENZ

Sprinter II | Vito | Viano | A-Class | B-Class



ZENEC E>GO ZE-NC4612 - Perfect Integration Into Your MERCEDES-BENZ

In 2008, ZENEC brought the first E>GO onto the market, thereby immediately establishing a completely new category of device: the vehicle-specific naviceiver. Today, ZENEC is Germany's undisputed market leader for in-car multimedia and navigation devices. And with the new product range, there are E>GOs to fit into over 40 models of vehicle.

E>GO - Exchange & GO

The award winning E>GO concept allows ZENEC to offer a unique solution for those seeking a multimedia and navigation device that looks like it belongs in the car. The E>GO range is visually and technically a perfect fit in the respective target vehicle, installing without the need for additional facias, adapters or hours of installation work. What makes the E>GOs so special, is the perfect integration with the existing vehicle's electronics. Not only can you use your steering wheel controls, but E>GOs are designed to integrate into the vehicle's internal CAN data network in a very simple way. But it's not the straightforward installation, immense range of functions or the easy use of the device that makes the ZENEC E>GOs so unique and successful, it's that all these features are combined in one unit which fits seamlessly into your car.

With the third generation E>GO devices, ZENEC have been able to use the information they have learned about each individual vehicle, to allow for

the best integration possible. They come with a high-resolution digital touch screen, many innovative features and ZENEC's trademark: a simple, user friendly interface.

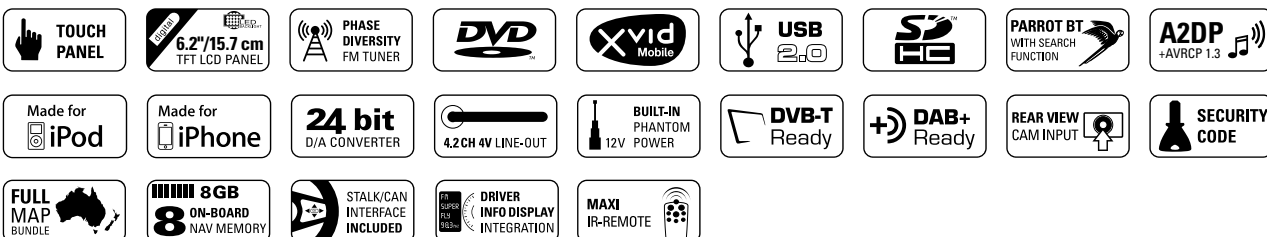
E>GO ZE-NC4612 - Tailored to your MERCEDES-BENZ

The ZE-NC4612 has been specifically developed for various MERCEDES-BENZ vehicles. The detailed construction, amber/white button illumination and customized styling of the front panel makes ZENEC's naviceiver blend in perfectly with the MERCEDES Sprinter II, Vito, Viano, A-Class, and B-Class. The ZE-NC4612 is also effortlessly integrated into the existing automotive electronics. The E>GO is linked to the steering wheel remote controls and the Multifunction Driver Information display via the vehicle-specific CAN bus interface.

E>GO ZE-NC4612 - Communication, Navigation, Entertainment

The ZE-NC4612 has an integrated Parrot Bluetooth module which allows you to make telephone calls on the go. Navigate throughout Australia & New Zealand with peace of mind with the specialized motorhome navigation software, which allows you to factor in route limitations and vehicle dimensions. Add to this, multimedia solutions such as CD, DVD, USB, SD or iPod/iPhone and you really have an all in one solution for your vehicle.

Features





Wireless Communication via Bluetooth

The ZE-NC4612 is equipped with a high-tech Bluetooth module from Parrot, the specialist for mobile communications, which gives you the convenience of operating a Bluetooth-capable mobile phone. This guarantees you a wide range of functions and maximum compatibility with many mobile phone models.

Make calls without noise interference

With ZENEC you can make phone calls in excellent quality - either using the integrated microphone or the multi-directional, freely positionable external microphone supplied with your ZE-NC4612. Thanks to the innovative audio DSP, unwanted ambient sounds are filtered out more efficiently to offer improved sound clarity.

Easy to operate

Parrot makes for very easy operation when driving. The caller's number, phone book entries and other information are clearly shown on the naviceiver's display. Also, the address book of your mobile phone is automatically synchronized with the naviceiver. You can easily search for phone book entries: simply tap in the initial letters of the contact you want to dial. This

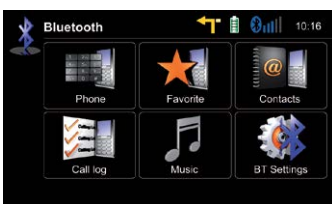
search function is really an enormous benefit for professional use. Even special characters are no problem thanks to the multilingual keypad.

Bluetooth always up to date

The firmware of the Bluetooth component can be conveniently updated using a USB stick if, for example, you would like to use a brand new mobile phone model. Thus, the range of compatible mobile phones can be expanded, keeping Bluetooth on the device future-proof.

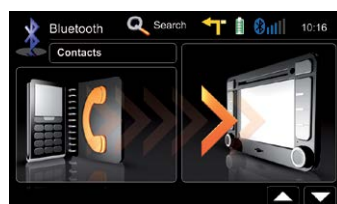
Bluetooth Features:

- Connection of up to 5 mobile phones
- Synchronization of up to 1,000 contacts with up to 5 telephone numbers per contact
- Alphabetical search function for contacts
- Multilingual input keypad, including special characters and special letters
- Quick-Dial menu for up to 5 favourite contacts
- Memory for dialled, received and missed calls
- Redialling
- Switch between hands-free and mobile phone
- Internal and external microphone
- Future-proof upgradable Bluetooth firmware



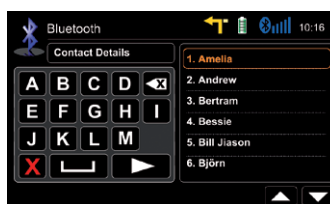
Making Calls

Use the clear Bluetooth menu to easily control all telephone functions - a touch is all it takes.



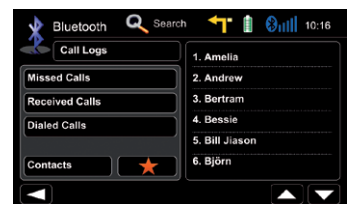
Easy connections

You can connect up to 5 mobile phones to the ZE-NC4612, each having 1,000 contacts. The address book of your mobile synchronizes with the ZENEC naviceiver automatically.



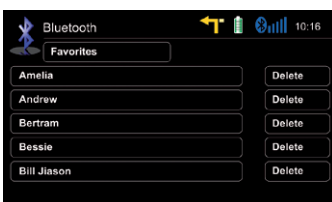
Fast contact entry search

The alphabetic search function makes finding a contact easier: simply type in the initial letters. You can search using up to 15 letters.



Comfortable contact management

You can search for a contact in the Phonebook or in the Favourites list. You can also display the list of dialled, received or missed calls.



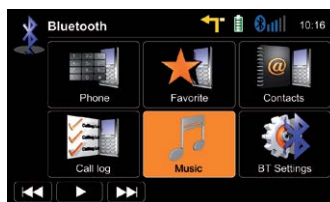
Quick-Dial menu

Phone numbers that you use frequently can simply be saved as Favourites - so you have fast access to your most important contacts at all times.



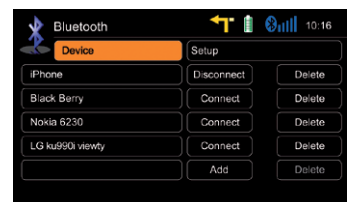
No missed calls

The ZENEC Bluetooth system allows for multiple calls - so you can conveniently switch back and forth between two active telephone calls.



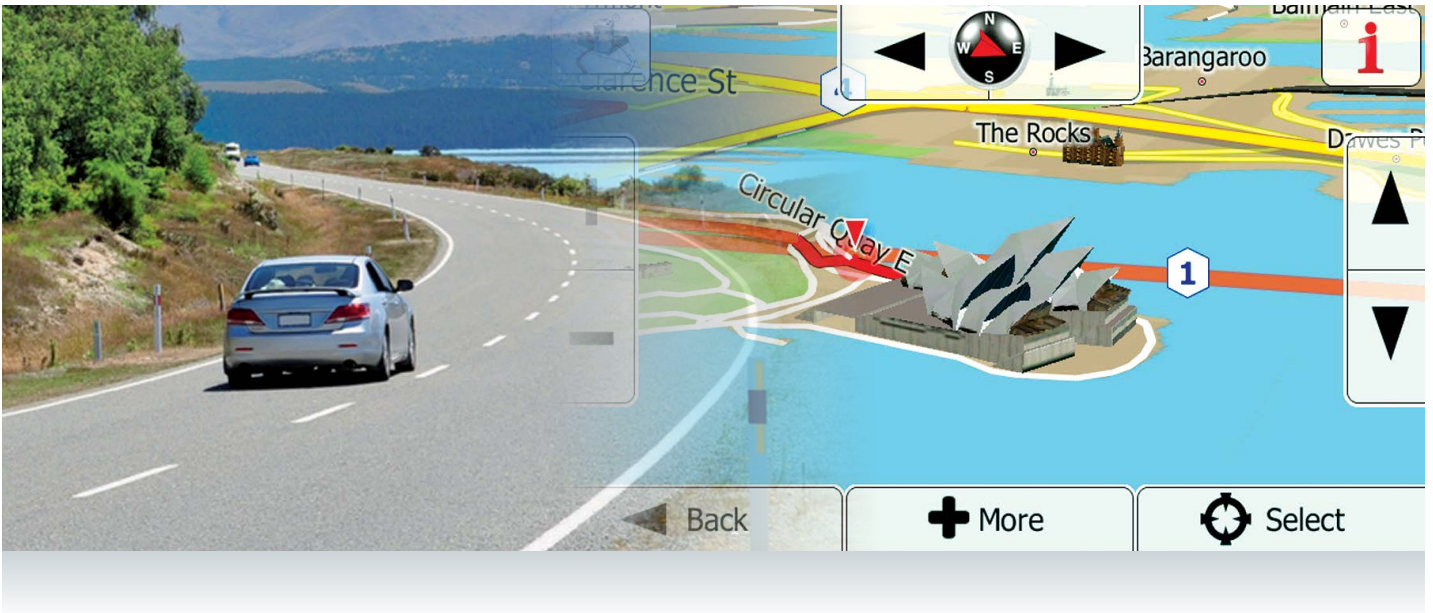
Music over your mobile phone

Music stored in your mobile phone can be played back over the ZE-NC4612 thanks to A2DP and AVRCP. The playback is easily controlled via the touchscreen.



Clear management

With the ZENEC naviceiver you never lose track. At a glance you can see all the connected mobile phones and manage these conveniently via the touchscreen.



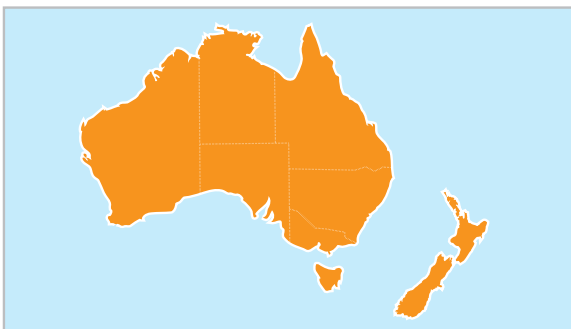
Your Perfect Navigator

ZENEC's ZE-NC4612 comes preloaded with the latest maps of Australia and New Zealand (with Premium POI's), which appear highly realistic thanks to the 3D high-definition rendering of terrain and 3D objects. With 8GB of flash memory, there is more than enough memory available for expansion of map content and updates of map packages with 3D buildings and landscape features.

ZENEC's innovative navigation software makes the destination and route selection even easier and more intuitive. The Quick Menu provides access to all navigation functions. The "Smart" and "Eco" route calculation modes, for shorter and/or more economical driving, are hard to beat.

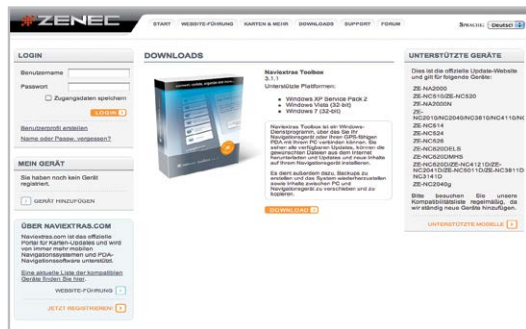
Features like the Real Junction View, the Lane Assistant and the Smart Zoom at crossings and junctions, assist orientation in more complex traffic situations. The ZE-NC4612 also has both visual and audible warnings to indicate speed limits on major roads.

You can update the ZE-NC4612 content package, expand the navigation content with additional maps or download the newest 3D city maps.



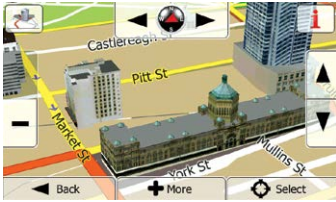
Navigate through Australia & New Zealand the clever way

Detailed maps of Australia & New Zealand make sure you know where you are at all times. Choose from 28 different menu and voice languages.



Latest Map Guarantee

Have confidence in the navigation knowing that your ZE-NC4612 comes pre-installed with the latest maps available and complimentary updates for one year. Future map updates can be purchased through ZENEC Australia.



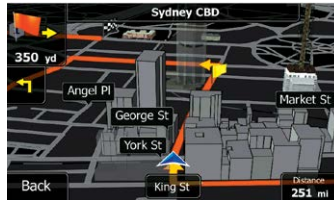
High-resolution 3D maps

The high-resolution WVGA display of the ZE-NC4612 ensures that all maps appear crystal clear. 3D orientation points and very realistic 3D city maps make navigation in big cities even more comfortable for you.



Topographic maps

Realistic 3D landscape views lead you through complex terrains. Choose between different designs for day and night. Thanks to GPS time acquisition, the ZE-NC4612 can also automatically switch between day and night modes.



Text-to-Speech

The ZE-NC4612 also displays the names of crossroads. Also, if you wish, it will read out the street names to you thanks to the integrated Text-to-Speech function – in this way you can concentrate fully on the traffic while driving.



Real Junction View

Features like the new photo-realistic Real Junction View of exit points on freeways, the Lane Assist and the Smart Zoom function at junctions and exit points facilitate orientation, particularly in complex traffic situations.

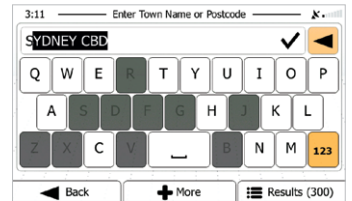
Navigation Features

- Integrated 3D High Definition navigation with preinstalled map data for Australia and New Zealand
- 8GB internal flash memory for navigation software – the SD/SDHC card slot stays available for A/V use
- Graphical user interface and voice guidance in 28 different languages
- Premium POI database
- 2D or 3D map view with Smart Zoom and realistic display of 3D terrains and 3D landmarks
- Text to Speech function (TTS)
- Eco and Smart Route Planning
- Smart Zoom function at intersections and crossings
- Tunnel mode
- Real Junction View and highway mode with Real Signpost rendering
- Outlook address import
- “Where Am I?” function
- Trip computer: configurable display of three additional pieces of information, with the choice of arrival time, journey time, speed, direction, height above sea level, etc.
- Visual and audible warning to indicate speed limits on major roads
- Latest Map Guarantee plus 1 year of complimentary navigation updates
- Map updates via the online-portal: www.zenec.naviextras.com
- External GPS antenna included



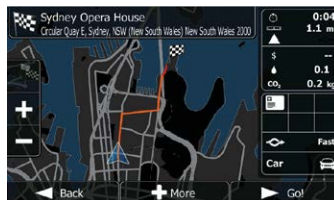
Reach Points Of Interest (POI) fast

The ZE-NC4612 has a Premium POI database with more than 750,000 entries. Using the well-designed search menu makes it easy to select special destinations.



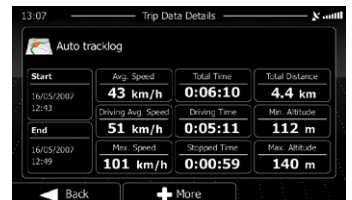
Intelligent destination input

To select a destination, you only need enter a few letters – the ZE-NC4612 completes your input and automatically suggests appropriate destinations.



Intelligent route planning

Allowing you to optimize your route the way you want, you have a choice between various route calculation methods: Short, Fast, Eco and Easy.



Practical trip computer

The trip computer gives you a summary of the most important trip data, such as your average speed, arrival time or real travel time to destination.



“Where Am I?” function

With the ZE-NC4612 you are well prepared for all emergencies. Use the “Where Am I?” function to find hospitals, police stations, ATMs, petrol stations and much more in your vicinity – all available at your fingertips.



Importing your Outlook contacts

Have you saved important contacts on your computer in MS Outlook? You can easily import these contacts directly into the navigation software of the ZE-NC4612 using the Naviextras Toolbox.



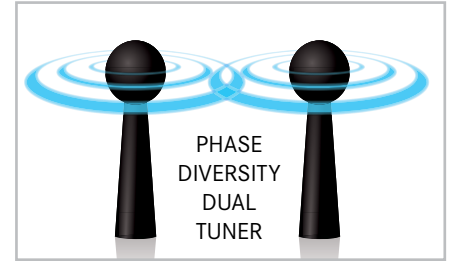
Steering wheel remote control integration

The ZE-NC4612 is connected via the vehicle-specific CAN bus interface to the factory installed steering wheel remote control. A/V sources (radio, CD/DVD, MP3 and USB) are operated in identical fashion as with the OE radio prior to installation.



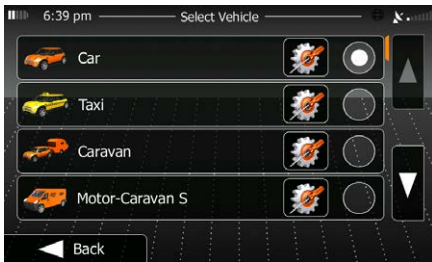
Multifunction driver information display

The ZE-NC4612 also supports the Multifunction driver information display by connecting to the vehicle's CAN bus. Navigation prompts, radio station and track information from all audio sources can be displayed.



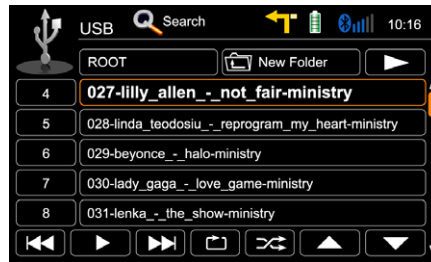
Phase Diversity FM Dual Tuner

The dual tuner of the ZE-NC4612 works with an FM phase diversity circuit that processes the signals of the two antennas built into the vehicle. A DSP algorithm generates the desired noise and distortion free FM signal by merging both captured radio signals into a new audio stream which means you always enjoy optimum radio reception, even when conditions are less than ideal.



Motorhome navigation

The navigation software of the ZE-NC4612 allows you to choose between seven vehicle profiles to match your vehicle. You can enter vehicle specific data such as height, width, length, weight, trailer, etc. and the route will be planned to take this into consideration.



Easy folder management

The folder structures of your iPod/iPhone and also that of the files stored on your USB stick are completely adopted by the E>GO. Thus, you have access to your files at all times without excessive search actions.



Maxi IR-Remote

This great accessory to the ZE-NC4612 allows you to control the most important device functions for easy and secure operation with an extended transmission range.



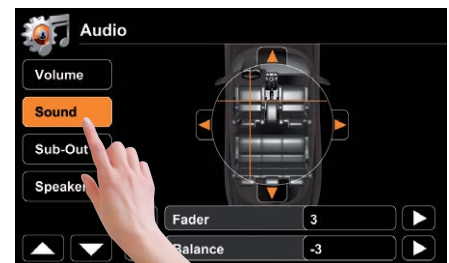
Simple connection of iPod/iPhone

Connect your iPod/iPhone to the ZE-NC4612 via the USB port of the Media Link Box. The display of Album Artwork is integrated in the iPod/iPhone menu. This menu also gives you the facility to search for a title or an artist alphabetically.



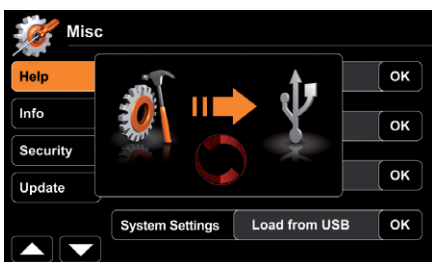
Individual entertainment

Want to listen to the radio while the backseat passengers enjoy a video on the head rest monitor with head phones? The ZE-NC4612 is designed for M-Zone (Multi-Zone) operation. This allows the front and rear channels to be split for the transmission of two different program sources.



Optimized ease of use

The clearly designed menus are self-explanatory and intuitive to operate. Large control fields and a logically structured navigation ensure that the ZE-NC4612 can also be controlled in safety when you are driving.



Import/export of user settings

A very user-friendly feature is the import and export function of user settings via the USB port. All important user settings can be saved in no time at all on a USB stick and reloaded later.



All-round information

Thanks to the infobar function, you will be notified of incoming calls and/or audio features without leaving the navigation mode. In other playback modes there is also a navigation infobar to keep you updated when to take the next turn or exit.



Easy parking and maneuvering

You can also easily connect a rear-view camera to the ZE-NC4612 and conveniently control it via the touchscreen. The extensive ZENEC range of accessories offers you a large selection of different models like vehicle-specific cameras for your car.



Navigation Navigate by touchscreen quickly and easily throughout Australia & New Zealand	DVD player Plays CD, CD-R/RW, MP3, WMA, DVD, DVD±R/RW, DVD-MP3, AVI, Xvid and JPEG	RDS tuner With automatic station search, 30 station memory (18 FM/12 AM) and best station memory	USB USB direct connection via Media Link Box (included), operated via the touchscreen	Camera Rear view camera input, manually or automatically activated by putting the car in reverse	iPod/iPhone iPod/iPhone direct connection and operation via touchscreen
SD/SDHC card reader Integrated SD/SDHC card reader to play video files, music, etc., SDHC compatible up to 32GB	Bluetooth/A2DP Integrated Parrot Bluetooth module for hands-free operation and audio streaming, upgradable firmware	A/V input A/V port (RCA) for the connection of other external A/V devices like gaming consoles, etc.	M-Zone Separate A/V playback zones divided into front and rear seat entertainment	Xvid Xvid is the container format of choice. Over 90% of present-day AVI files are encoded with Xvid	Security code Intelligent anti-theft protection based on software monitoring of the power supply

Limitless Connectivity

Due to the integrated USB port and the various A/V in and outputs, there is almost nothing that cannot be connected to the ZENEC naviceiver. The ZENEC program has a wide selection of multimedia-based additional components that are optimally suited to the ZENEC naviceiver. All equipment – external monitors, DVB-T and DAB+ receivers or rear view cameras – can be connected directly to the naviceiver and operated via the touchscreen.



Media Link Box

The delivery scope of the ZE-NC4612 contains the compact Media Link Box with a high-speed USB 2.0 port and an A/V input (3.5 mm plug). With this compact box (with 1.5 m cable extension) to be stowed away in a convenient place like the centre console or the glove box, you can quickly connect or disconnect additional components like a USB stick, an iPod/iPhone or external MP3 player.



Connection of iPod/iPhone

Your iPod/iPhone can be connected using your USB cable or the optional ZE-NC-IPS lead (which enables iPod video). The ZE-NC-IPS not only allows for quick access to all files, but also the control of audio tracks, videos or Podcasts via the naviceiver's touchscreen. It will also charge your iPod/iPhone while your car is on.



Accessories

The ZENEC product range includes many accessories that compliment the ZE-NC4612 such as:

- Rear cameras
- Digital TV Tuner
- DAB+ Tuner
- Rear seat entertainment

ZE-NC4612 Main Features

GPS NAVIGATION SYSTEM

- 3D High-Definition navigation system
- 8GB internal flash memory with map data for Australia and New Zealand and Premium POI database
- TTS Pro voice guidance for 28 different languages
- Realistic 3D rendering of terrains and landmarks, Tunnel-View, 3D Smart Zoom for crossings and roundabouts, Real Junction View
- Eco and Smart Route Planning, Calculation of Real-Time Route Alternatives, Parking Around Algorithm, Detour Hint function etc.
- Outlook address import, Driver Alerts etc.
- Input option for car specific restrictions (height, width, length, weight, trailer etc.)
- External GPS antenna

PARROT BLUETOOTH HANDS-FREE MODULE

- Synchronization of up to 1,000 contacts with max. 5 telephone numbers per contact
- Alphabetical search function for contacts
- Internal and external microphone
- Future-proof upgradable Bluetooth firmware

MULTIMEDIA PLAYER

- DVD loader
- USB 2.0 port (via Media Link Box)
- SD/SDHC card reader (up to 32 GB)
- Made for iPod/Made for iPhone
- Playback DVD loader: CD, CD-R/RW, MP3, WMA, DVD, DVD±R/RW, DVD-MP3, AVI, Xvid
- Playback SD/USB: MP3, WMA, AVI, Xvid

GENERAL FEATURES

- Intuitive, user friendly HMI in 20 different languages
- 6.5"/16.5 cm 16:9 HD TFT-LCD display with 800 x 480 pixels resolution and touchscreen control
- Phase Diversity RDS Dual Tuner with 30 preset stations (18 FM/12 AM)*1
- Multi-Zone function
- 4 x 40 watts amplifier
- 24 bit D/A converter
- 2 x IR-remote control

A/V-CONNECTIONS

- 4.2-CH preamp line outputs
- 2-CH preamp line outputs without volume adjustment
- 2 x composite video outputs (NTSC)
- 1 x A/V-input
- 1 x video input for rear view camera with switching function
- Connectivity for touchscreen compatible external DVB-T or DAB+ receivers

BRAND/VEHICLE SPECIFIC FEATURES

- Steering wheel remote control integration via CAN²
- Multifunction Driver Information display support for audio source via CAN³
- Selectable key illumination: amber/white

Vehicle integration disclaimer:

*1 The vehicle must be fitted with a Phase Diversity Antenna system, or else, must be retro fitted with such a system.

*2 Functionality cannot be assured for vehicles featuring radio-ready provisions or a factory mounted OE Radio Audio 5.

*3 Bluetooth and Navigation source info-data output on the driver information display is not supported. Harman Kardon and Bang & Olufsen OE active sound systems (MOST bus based) are not supported.

Vehicle Compatibility List

Brand	Model	Type	Year
MERCEDES-BENZ	A-Class	W169	2005 > 2012
MERCEDES-BENZ	B-Class	W245	2005 > 2011
MERCEDES-BENZ	Sprinter II	W906	2006 >

Brand	Model	Type	Year
MERCEDES-BENZ	Valente	W639	2012 >
MERCEDES-BENZ	Viano	V639	2006 >
MERCEDES-BENZ	Vito	W639	2006 >

Regarding further physical and electrical device compliance, in conjunction with given vehicles, please consult your specialty retailer.



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