



# ZENEC

TOUCH ANOTHER WORLD



CAR SPECIFIC NAVICEIVERS



## Navigation • Entertainment • Communication

Touch another world – with the devices developed by ZENEC you will enter a new multimedia world. Enjoy your favorite films and music in a quality which will blow you away. Easy to use navigation guidance to your desired destinations has never been more straight forward. When driving, you can telephone comfortably while concentrating fully on the traffic. ZENEC has developed a complete program for in-car systems making each car ride an absolute pleasure. First-class navigation and multimedia devices, top-quality LCD monitors as well as a range of accessories offering a perfect match.

ZENEC's innovative systems use advanced technology built to exacting standards of quality, with the prerequisite of user friendliness and an impressive performance variety. After all, ZENEC is the undisputed market leader in the DACH/Benelux area with good reason.

When talking about installation comfort, ZENEC's E>GO series is the leader of the game, with two distinguished innovation prizes won in the past two years. The E>GO range consists of vehicle specific naviceiver units, that are developed precisely for perfect fit, technically as well as optically, for various types of vehicles. E>GO is a fine example of a clever concept for advanced system solutions, where multimedia and navigation functions are combined: ingeniously simple, yet with perfect looks.

**ZENEC E>GOs – unmatched for perfect fit, performance and multimedia versatility.**



## Content

ZENEC Multimedia	4
The E>GO Concept	6
E>GO Car Specific Naviceivers for VW	8/9
E>GO Car Specific Naviceiver for AUDI	9
E>GO Car Specific Naviceiver for FORD	10
E>GO Car Specific Naviceiver for HYUNDAI	10
E>GO Car Specific Naviceiver for OPEL	11
Naviceiver ZE-NC620D	12
Naviceivers ZE-NC514/524	13
Moniceivers ZE-MC194/294	14
Monitors	15
Accessories	16
Technical Data	18
Glossary	19



## Enter a New Multimedia World...

Do you want to make do with a permanently installed navigation that was developed at the same time as your car – years before your vehicle left the manufacturer's lot? You desire to replace your outdated CD/MP3 head unit with an up-to-date multimedia system?

With ZENEC you can choose from a large range of A/V devices, which next to the implemented top technology, also offer you all the required up-to-date features: starting with the all-round moniceiver units ZE-MC194 and ZE-MC294, to the innovative naviceivers ZE-NC620D, ZE-NC514 and the ZE-NC524, to the car specific range of E>GO naviceiver models.

### Unlimited Functionality

Premium quality, immense variety of features and unlimited functionality – ZENEC's moni- and naviceiver units meet all your entertainment requirements and make even the longest journey to become a fascinating multimedia experience. With the top modern mobile-media devices you can play back various A/V formats from different media, connect your iPod, iPhone, or a USB memory stick and thanks to the integrated Parrot Bluetooth module, you can comfortably use your cell phone in your automobile while driving. All functions are controlled and operated via the large, high-quality touchscreen display. However, if that wouldn't be enough: The flexible moni- and naviceiver units offer numerous additional connection options for further auxiliary sources, so that your multimedia system can always be extended – according to your very own personal desires.

### Always up-to-date

Of course, ZENEC's innovative navigation and entertainment systems don't only grow by adding additional sources, but they can keep up with the future. To make sure your multi-functional media center is also state of the art in the future, you can apply software updates via the USB port: From the main system software, the navigation and the Parrot Bluetooth software to the CAN-bus protocol of the E>GO models – ZENEC's digital entertainment centers can easily be kept up-to-date free of charge.



Clearly laid out touchscreen menus, arranged over two pages with large icons, simplify the control of your ZENEC devices while driving.



Thanks to the integrated Parrot hands-free kit, the ZENEC moni- and naviceivers allow you to use your cell phone in your vehicle when you're driving on the road.



Or else, connect your iPod or iPhone and enjoy music, watch videos or podcasts on the way to your destination.

### User-friendliness: Intuitive Operation

Top-class are the touchscreen displays of the ZENEC moni- and naviceivers: high-quality, non-reflective TFT LCD panels with LED backlight, that guarantee a sharp, brilliant and contrast-rich picture. The controlling of the devices is absolutely straightforward. With the touch-sensitive, very responsive touchpanel you can operate all functions at the touch of your fingertips.

Special focus has been applied to the user-controlled menu navigation. The menus are – at first glance – easy to comprehend and intuitive to use. The graphical user interface (GUI) has been optimized in consideration of user-friendliness, enhancing daily use and interaction. The dual main menu with large control icons ensures that you control all functions conveniently while driving.



For a clear overview, the main menu is divided into two pages.

### Multimedia: Versatile Entertainment

ZENEC's moni- and naviceivers are mobile entertainment centers, which offer you entertainment functions in abundance. The navi- and moniceivers recognize all modern data media – such as CD, DVD, USB, iPod, iPhone or SD cards (except for ZE-MC194, ZE-NC514, and ZE-NC524). Of course, you can also play your

private collection of CD-R/RW, DVD±R/RW disks as well as compressed digital audio formats such as MP3, WMA, or AVI with the new ZENEC multimedia stations. Prepared and ready even for the latest encoding technology: all ZENEC devices support, for example, the modern video format DivX, going as far as version DivX6.



### Connection possibilities: Limitless Connectivity

Almost unlimited are the connection options – due to the integrated USB port and the various A/V in and outputs, there is almost nothing that cannot be connected to a ZENEC moniceiver or naviceiver. For example, a game console, a USB memory stick, your iPod or iPhone – ideal media to save songs, files or podcasts and play them over the ZENEC multi-media center.

Optimally aligned with the moni- or naviceiver units are the additional accessory components from the ZENEC program. You can connect all external devices – such as headphones, roof mount monitors, a DVB-T tuner or a rear view camera – to your ZENEC moni- or naviceiver and comfortably control these components via touchscreen or with an IR remote control.



Many expansion possibilities and varied.

### iPod/iPhone: Fully Compatible

Enjoy your music and movie collection while you are driving by connecting your iPod or iPhone to one of the ZENEC moni- or naviceivers. With a separately attainable interface cable, you can connect both Apple devices through the USB port and control them via touchscreen.

The batteries of both Apple players even get recharged during playback. The folder structure of your iPod or iPhone is also imported and overtaken completely. The high speed USB port not only enables quick access to all files, but also provides full playback control of videos or podcasts through the touchscreen of the ZENEC device.



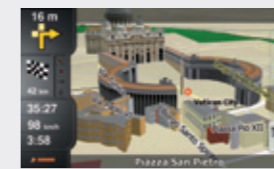
### Bluetooth: Relaxed Communication

Uncomplicated calling and talking while driving: All A/V centers, except ZE-NC514 and ZE-MC194, are equipped with a high quality Bluetooth module from Parrot. And this means excellent speech intelligibility for caller and the callers, because of the innovative Audio-DSP signal-processing to filter out background, echo and ambient noise. In case you have music saved on your mobile phone, thanks to A2DP with AVRCP, you can listen and control your song collection via the

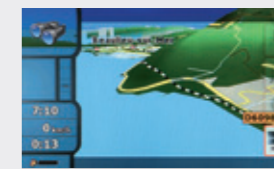
touch-screen of your ZENEC device. Parrot guarantees for easiest control throughout the journey: The caller's number, phonebook entries and further infos appear clearly on the display. The address book of your ZENEC device is automatically synchronized with the entries in your mobile phone. The Parrot Bluetooth module allows an extremely practical alphanumeric search of contacts. You can also store voice tags for up to 50 phone numbers.



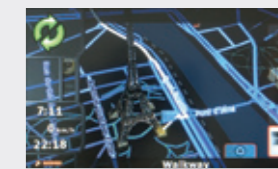
In order to obtain the best possible compatibility with new mobile phone models, the firmware of the Parrot Bluetooth module can be updated via USB.



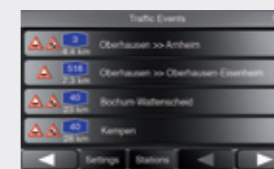
3-D landscape or 3-D city map views



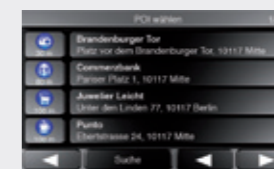
Topographic 3-D map representation



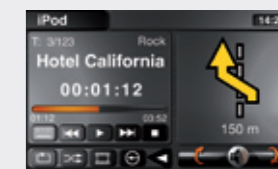
Blend poor colours in the night mode



Announcement of all traffic events



Premium P.O.I. database



Split screen mode



Real signpost rendering



Automatic smart zoom function



Trip computer

## The E>GO Concept: Car-Specific Naviceivers

A permanently installed sat nav system, that fits optically and technically into your vehicle? The E>GO range, awarded with two innovation prizes, makes this a feasible undertaking.

The E>GO range – short for Exchange and Go – offers you perfect fit multimedia navigations, that are designed and built precisely for certain types of cars: for vehicles such as the VW Golf IV platform models, Golf V and VI types, various models from SEAT, OPEL, FORD, AUDI or HYUNDAI – with further devices to match to other vehicles to follow...

The immense variety of functions found in these naviceivers, the actuality of their entertainment and navigation features, the simple usage and the uncomplicated mounting are the cornerstones, on which the success of the E>GO concept is based on.

The high-tech naviceivers work with all modern data media – CD, DVD, USB, SD, iPod, iPhone – and operate with up-to-date Bluetooth technology from the undisputed leader Parrot.

### Perfect Integration

E>GO naviceivers perfectly integrate into each target vehicle, can be installed in record breaking time and connect and communicate flawlessly with the data present in the on-board CAN net, through the vehicle CAN system. The functionality of steering wheel controls is kept completely in-sync, just like the output of the car specific navigation and info data displayed over the driver info displays (in accordance to each vehicle model). On top of that, the front panel design is specifically tailored to match with the interior style of the different target vehicles: From the colours of the key illumination to the design and style of the control panel assembly.

### Installation Friendly Main Concept

The installation of an E>GO is absolutely straightforward: Simply connect the naviceiver to the main plug of your car, plug in the FM and GPS antenna leads and you can then mount the E>GO into the radio slot of the center console. The E>GO is connected to the vehicles on-board data net using a so called CAN/Stalk interface. This interface – part of the delivery scope of E>GO units (except ZE-NC2040) – plugs into the backside of the main unit and electrically integrates E>GO units into the data communication net of your vehicles. Factory-installed steering wheel remote controls always stay functional.

### Connection to the Driver Info Display

The ZE-NC2010 supports the multifunctional driver information display MFD+, that is connected to the CAN-Bus. The on-board computer of the vehicle as well as the driver info display (TID, BID, GID, CID) in OPEL cars can be connected to the ZE-NC5010, and allow to be controlled via the naviceiver's touchscreen display.



ZE-NC5010 for OPEL



ZE-NC3810 for FORD

### Connection to the Steering Wheel Remote Control

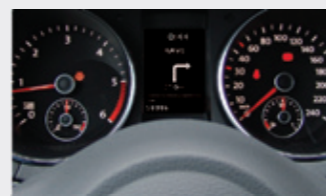
A/V functions of the E>GO naviceivers (except ZE-NC2040) are connected to the steering wheel remote control using a CAN/Stalk interface, through the vehicle specific CAN net. Each A/V source (radio, MP3, USB), including Bluetooth hands-free functions, can then easily be controlled – ex factory – via the steering wheel remote control.



Steering wheel remote control in VW



Steering wheel remote control in OPEL



MFD+ in VW Golf IV



GID in OPEL

### High Performance Navigation System

Accurately navigate via touchscreen: with the E>GOs you can arrive quicker and more relaxed at your destination – throughout all of Western and Eastern Europe.

Select the desired target, choose between various options of route calculations, and then you're off: your electronic co-pilot leads you without any detour to your final destination and also shows you, if desired, relevant points/P.O.I.s such as gas stations, hotels and restaurants. A clear graphic map display, where various scales and view modes are available in 2-D and 3-D, makes navigating so much easier. As you concentrate on the traffic, the text-to-speech voice guidance leads you through the streets.

The automatic zoom at intersections or roundabouts makes sure that there is no confusion even at difficult locations. Features such as the tunnel mode,

the driving lane assistant or the realistic 3-D city map or landscape views, make getting to your desired destination easier – last but not least by using the highway mode with real signpost rendering, in which the highway signposts are shown in a realistic way.

### TMC/TMC Pro

All E>GOs are fitted with a TMC and TMC Pro receiver, which evaluates the traffic bulletins and warns you, in good time, of any traffic jams and congestion on the road. And if you wish, the E>GO can even suggest alternative routes. Through this you can change your route and avoid any unnecessary delays. Off the factory the TMC service is functional and free. The TMC Pro function requires a licence (lifetime) to be separately purchased through Navixtras (available for Germany, UK and France only).

### Navigation Features

- Pre-installed map data for 43 Eastern and Western European countries
- TMC and TMC Pro receivers (TMC Pro licence optional)
- Voice guidance and menu in 28 languages
- Destination entry via address, postal code, P.O.I., latitude and longitude, saved/last found destinations
- TTS Text-to-Speech function (announcements of street names)
- Map displays switchable from 2-D to 3-D landscape and 3-D city map
- Highway mode with real signpost rendering
- Smart-zoom function at intersections and turn-offs
- Traffic lane assistant
- Tunnel mode
- Splitscreen mode: navigation within the chosen A/V menus
- Distance displayed during route guidance (distance/time)
- Extensive premium P.O.I.-database, selection from current position, destination, on the planned route
- 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.
- 4 GB internal NAND storage for navigation software – the SD slot remains available for A/V usage
- Updates through Navixtras
- External GPS and TMC/TMC Pro receivers included

### E>GO – Updates secure the Future

You can update the E>GO content package, expand the navi-section with additional maps, or download the newest 3-D city maps using the website [www.zenec.naviextras.com](http://www.zenec.naviextras.com) anytime, even in the middle of the night or abroad during a journey. This online portal makes it easier than ever before to keep your navigation system up-to-date and individually put new features and functions together.

Download options: Map updates; extra maps and P.O.I. databases of more than 60 countries worldwide; additional 3-D places of interest and 3-D terrain data; free bugfixes for the Tele Atlas based digital map data.



[www.zenec.naviextras.com](http://www.zenec.naviextras.com)



[www.zenec.com](http://www.zenec.com)

To make sure that you are always up-to-date with the E>GO, there are many possibilities to update the device's software via USB interface. Even the system software is updatable, as well as the Parrot Bluetooth module firmware – so that the E>GOs stay compatible with new mobile phone models to appear in the future.

Main system software and Bluetooth updates can be downloaded from the internet at [www.zenec.com](http://www.zenec.com) (menu item "Support").



**ZE-NC2010**

VW Golf VI | Golf V | Caddy | Eos | Tiguan | Passat | Passat CC | Scirocco | Touran | Jetta | SEAT Altea XL | Altea | Toledo

The naviceiver ZE-NC2010 is a complex sat nav and multimedia system with immense functional opportunities. Because of its white key illumination and the high gloss black front panel, it will perfectly integrate into vehicles belonging to the Golf V and VI platform, or the newest SEAT vehicle range.

The ZE-NC2010 is, as is each E>GO, a full blown multi-functional media center, that can play back all current A/V formats and media from CD, DVD, SD card, USB memory stick, iPod or iPhone of the latest generation, to be operated via the touchscreen display.

The ZE-NC2010 allows you to telephone comfortably in your vehicle, as with all models from the E>GO range, because it is equipped with the advanced Bluetooth module CK5050+ designed by the hands-free specialist Parrot. Future proof is also the state-of-the-art sat nav system, giving you precise route guidance to selected destinations in 43 European countries.

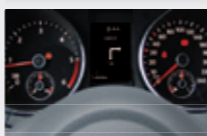


The ZE-NC2010 is specifically designed to match with the interior look and feel of VW and SEAT vehicles, by deployment of white key illumination for all the buttons.



**Steering Wheel Remote Control**

Factory installed steering wheel remote controls stay fully functional with the ZE-NC2010. The connection to the vehicle does not require any extra adapters to be purchased.



**Multi-functional Displays**

The ZE-NC2010 also supports the driver information display called MFD+. Displayed are turn key arrows, as well as radio station and track infos from all sources.



**Climatronic**

The data from the Climatronic, if installed in the respective vehicle, is read via the CAN net and the CAN/Stalk interface, to be displayed as A/C status GUI on the ZE-NC2010 touchscreen display.



**Parking Sensors**

In combination with the white MFD+ driver info display, data present in the CAN net for factory installed parking radar is read, processed and displayed on the TFT LCD screen of ZE-NC2010.

**General Features of the E>GO-range**

- Sat nav system with maps for 43 European countries, incl. TMC/TMC Pro receiver
- 16.5 cm/6.5" touchscreen display
- Playback of CD, CD-R/RW, MP3, WMA, DVD, DVD±R/RW, DVD-MP3, MPEG, DivX6, VCD, SVCD, AVI, JPEG, Picture CD
- Built-in Parrot Bluetooth module (CK5050+ chipset) for hands-free and A2DP/AVRCP music streaming
- iPod/iPhone direct control including video play back
- USB port 2.0
- SD card reader - SDHC compatible up to 8 GB
- High-performance FM/AM RDS tuner
- Built-in digital amplifier with 4 x 50 watts
- Integrated Dolby Digital decoder
- 2 x Video out, 1 x A/V in, 1 x video in for rear view cameras, 2-CH pre-amplifier outputs without volume adjustment control, 5.1 pre-amp line outs
- Safeguarded by security code
- Including 2 x IR remote control, Media link box and external Bluetooth microphone



**Compatible Automobiles**

VW Golf VI	as of 08/2008	VW Tiguan	as of 2007
VW Golf V + Plus	as of 09/2003	VW Touran	as of 03/2003
VW Jetta	as of 08/2005	VW Scirocco	as of 2008
VW Eos	as of 05/2006	SEAT Altea*	as of 05/2004
VW Passat	as of 03/2005	SEAT Altea XL*	as of 05/2004
VW Passat CC	as of 08/2008	SEAT Leon*	as of 09/2005
VW Caddy	as of 07/2004	SEAT Toledo*	as of 12/2004

\* Additional OE trim bezel required. Limited functionality of the multifunction steering wheel.



**ZE-NC2040**

VW Golf IV | Passat | Bora | Polo | Sharan



You want a multimedia navigation unit to replace your totally outdated head unit? A system, that not only copes with all modern audio and video formats, but also fits perfectly into your vehicle? In this case, the ZE-NC2040 naviceiver is your ideal companion on any journey. It fits into a wide variety of vehicles starting with the Golf IV platform, over to other VW car models, also including AUDI and SEAT vehicles.

The ZE-NC2040 integrates perfectly into your vehicle. However, this is not enough: Its quick and totally straightforward mounting into the target vehicles is another big advantage.

Apart from its perfect design, the ZE-NC2040 offers close to everything that you would want on your journey in terms of entertainment and communication: an abundance of multimedia functions, BT hands-free calling and a load of connecting options for all kinds of additional components. Absolute upper class is the highly precise sat nav system with a large premium P.O.I. database, to pinpoint you with full convenience to any desirable location in 43 European countries.



Compatible Stalk or CAN/Stalk interfaces to connect the ZE-NC2040 to a selected amount of vehicles with CAN bus and/or steering wheel remote controls are available at authorized ZENECE retailers.

**ZE-NC3131D**

AUDI A3

Optimal quality, highest flexibility as well as maximum control options – this also holds true for the ZE-NC3131D, specifically developed for AUDI A3 vehicles. Enjoy your personal DVDs or CDs, listen to the radio, control your iPod or iPhone, or call friends hands-free via Bluetooth: The ZE-NC3131D offers in-car-entertainment of the highest-class and navigates you safely to your desired destination. The TMC based incoming traffic bulletins inform you in good time about traffic jams and other actual obstructions on your route.



**Compatible Automobiles**

VW Passat	2001 – 03/2005	AUDI A4 B6	2000 – 02/2004
VW Passat Variant	2001 – 08/2005	AUDI A6 C5	1997 – 02/2004
VW Golf IV	1997 – 2003	SEAT Ibiza 6L	2002 – 2008
VW Golf IV Variant	1999 – 05/2006	SEAT Leon 1M	1999 – 2005
VW Bora	09/1998 – 01/2005	SEAT Cordoba 6K	1999 – 2002
VW Bora Variant	1999 – 05/2006	SEAT Toledo 1M	1999 – 2004
VW Polo 9N3	05/2005 – 06/2009	SEAT Alhambra	1996 – 2008
VW Sharan	1998 – 2008		

The ZE-NC2040 replaces the factory installed VW radio sat nav system "RNS MCD" and "RNS-MFD", the AUDI radio navigation "Navigation Plus", and the SEAT radio "RNS 2-DIN".



**Compatible Automobiles**

AUDI A3 (8P/8PA)	2005 – 2008
------------------	-------------



The ZE-NC3810 brings high-end entertainment and first-class navigation into your FORD Mondeo, Focus, and S-Max.

The E>GO combines the newest technology with a variety of entertainment and communication functions and is a comfortable, intelligent director throughout all of Europe. Its highly sensitive GPS and TMC/TMC Pro receivers guide you optimally to any European destination. But not only this. You can enjoy music, videos or podcasts from CD, DVD, iPod, iPhone, USB stick or SD memory card, and call friends and business partners hands-free. All these functions are conveniently controlled via the large touchscreen display.

**Perfect Integration**

ZE-NC3810 integrates perfectly into the cockpit of various FORD models. Comfort functions like steering wheel remote control or the data of the Climatronic are read via the CAN net and the CAN/Stalk interface, to be displayed on the ZE-NC3810 touchscreen display.



**Compatible Automobiles**

FORD Mondeo	as of 2007
FORD Focus	as of 2007
FORD S-Max	as of 2007

**ZE-NC3810**

FORD Mondeo | Focus | S-Max



**Telephone Hands-free Function**



**Bluetooth**

All E>GO naviceivers are equipped with the CK5050+ Bluetooth module from Parrot, which offers a large variety of functions:

- automatic synchronization of your telephone book
- alphanumeric sequencing and search of entries in your telephone book
- storage of dialed numbers, missed and received calls
- voice control dialing
- coupling of up to 5 mobile phones, hosting up to 1000 telephone book entries with names

**ZE-NC410**

Hyundai Santa Fe

High performance audio visual functions combined with a truly modern navigation system – the ZE-NC410 transforms your Hyundai Santa Fe into a multi-media power pack. The E>GO fits precisely into your vehicle, technically and optically, and is, in best plug and play manner, integrated into the vehicle's internal data communication network. The factory installed steering wheel remote control stays fully functional with the ZE-NC410.

**Compatible Automobiles**

HYUNDAI Santa Fe	2007 – 2009
HYUNDAI Santa Fe Facelift	as of 2010



Regardless of where the journey is heading – with the newest navigation functions, a broad coverage of maps from all of Europe, and the simple usage, you are taken to any destination safely and surely with the ZE-NC5010.

Navigate stress-free and experience newest A/V entertainment while driving. Of course, the passengers in the backseats do not to come away empty-handed: with the twist of a hand you can connect extra monitors, game consoles, and further A/V sources to the ZE-NC5010. All E>GO naviceivers are designed for dual zone operation, allowing the distribution and independent playback of different sources in the front and rear sections of the vehicle. You can listen to the radio and the instructions from the navigation on the driver's seat, whereas the backseat passengers can watch a DVD movie or play a videogame with the sound transmitted through the IR headphones, getting their audio signals from the LCD monitors mounted to the headrests.



**Vehicle Computer and Driver Info Displays**

OPEL/Vauxhall cars are equipped with a vehicle computer and model dependent driver info displays, such as TID (Triple Info Display), BID (Board Info Display), GID (Graphic Info Display) or CID (Color Info Display), that are connected via CAN net to the ZE-NC5010.

The vehicle computer shows various route/consumption data, for example fuel consumption, outer temperature, average speed, etc. Adjustments of the vehicle computer are carried out through the ZE-NC5010 touchscreen in the dedicated "BCS" menu.

Supported are also text display functions such as station and track infos from the radio source, CD, USB, etc. via the respective driver info display.

**ZE-NC5010BG**

OPEL Astra H | Corsa D | Zafira B



**Connection is Child's-play: Media link box**



The delivery scope of all E>GO units 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 to be stowed away in a convenient place like the centre console or the glove box, you can quickly connect or disconnect additional extra components like a USB stick or an external MP3 player. With the separately attainable interface cable ZE-NC-IPS you can also link your iPod or iPhone via the Media link box to your E>GO naviceiver.



The ZE-NC5010 supports the display and adjustment of the OPEL/Vauxhall car computer, the driver information display, as well as their controlling; the functionality of the steering wheel remote control is kept fully functional.



**Compatible Automobiles**

OPEL Astra H	as of 2007
OPEL Corsa D	as of 2007
OPEL Zafira B	as of 2007

# 1-DIN/2-DIN NAVICEIVER



## ZE-NC620D

2-DIN Naviceiver with 15.7 cm/6.2" TFT LCD HD Display

The ZE-NC620D integrates perfectly into the 2-DIN slot of your car's center console and creates optical accents with its elegant design. ZENEC's top naviceiver gives you the ultimate in audio, video, information and communication features and combines them with an innovative navigation system.

Functionality de luxe is what the ZE-NC620D also stands for: The integrated CD/DVD player can cope with all current multimedia formats. Music or videos can be played directly from USB, SD card, iPod or iPhone. ZENEC's high tech 2-DIN unit deploys a Parrot BT hands-free module, enabling you to make phone calls on the road with an outstanding quality.

All functions can be controlled on the touchscreen display effortlessly. The outstanding feature of the ZE-NC620D is its digital 15.7 cm/6.2" high definition Wide-VGA TFT LCD panel, which allows for an extremely clear and sharp picture, because of its high resolution of 800 x 480 pixels.



### Multicolor

To have the ZE-NC620D perfectly harmonize with the interior design of your car, the key illumination can be set to six different colors.



### Connections the Easy Way

Take your iPod and iPhone with you on tour: Simply connect the ZE-NC-IPS interface cable to the Media link box contained in the set, and you can enjoy your audio and video files in your car.



### Your Perfect Driving Companion

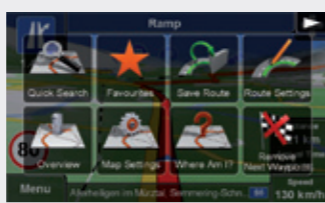
The ZE-NC620D is fitted with maps of 43 European countries, which, thanks to 3-D hi-definition rendering on the LCD screen, appear clear and unbelievably realistic. ZENEC's trend-setting 2-DIN naviceiver works with truly innovative navigation software, offering a comfortable and easy-to-use route guidance.

The ZE-NC620D provides numerous possibilities to configure the map appearance, menus and pre-selections, giving you a system, perfectly fitting to your individual requirements. You can, for example, assemble various navigation info features you want see on the TFT display and arrange them exactly the way you desire. Via the Quick Menu you have rapid access to all functions – even searching for points of interest is thereby made much easier. Even harder to top are the versatile modes of route calculating options: you can choose between economical, shortest time or petrol saving journeys to any destination you want to reach.

Especially helpful is the real junction function, which presents crossroads and junctions realistically from the driver's perspective. To make sure you are not caught for exceeding speed limits, the ZE-NC620D shows you the allowed maximum limit on the most important roads. With the emergency position identification 'Where-am-I?' you can search for hospitals, police stations, cash points or gas stations situated nearby.



High resolution route guidance



Quicksearch



Real Junction



Various route calculation options

### Navigation Features

- Maps of 43 countries in West and Eastern Europe on 4 GB NAND flash pre-installed
- TMC and TMC Pro receivers (TMC Pro licence optional)
- Maps in 2-D and 3-D hi-definition, incl. 3-D landscape and city map
- Voice guidance and menu in 28 languages
- Economical route-calculation
- Destination entry via address, postal code, P.O.I., latitude and longitude, saved/last found destinations
- Text-To-Speech (TTS) function, TTS Nuance
- Quick Menu function
- Real signpost rendering
- Real junction and Smart-zoom function at crossroads/turn-off points
- Driving lane assistant
- Tunnel mode
- Trip computer
- Where-am-I? function
- Premium P.O.I. database
- Updates on navixtras.com
- Last map guarantee

## ZE-NC514

1-DIN Naviceiver with 17.8 cm/7" LCD Display

With ZENEC's new naviceivers ZE-NC514 (1-DIN) and ZE-NC524 (2-DIN) you are perfectly prepared for all multimedia and navigation requirements. With both All-In-One devices you can experience and enjoy the complete bandwidth of digital entertainment, while being navigated in a safe and precise way to your selected destination throughout all of Western and Eastern Europe.

### Pure Cinema Sound

Both naviceivers feature a built-in digital amplifier and an AC3 digital surround decoder with 4.1 line-outs – for highest quality audio entertainment on the road.

### Mobile Multimedia

Being entertainers, the new naviceivers provide a shining example. ZE-NC514 and ZE-NC524 support all the current standard video and audio formats, from MP3 to WMA over to DivX6 and, of course, CD and DVD playback.

The high performance NXP FM chipset based FM/AM radio tuner offers you full RDS function coverage and additional comfort features such as 30 radio station presets and Best Station Memory.



ZE-NC514 with motorized TFT LCD panel



### Uncomplicated Connections

The front panels come with a USB port for USB memory sticks so that you can play your favorite music or video files. You can connect your iPod or iPhone via an optional cable (ZE-NC-IPF) to the USB port on the backside of the units, designed for Apple devices.



### Steering Wheel Remote Control

The ZE-NC514 and ZE-NC524 both come with an IR code command input lead on the backside, giving you the opportunity to connect a separately available Stalk or Stalk/CAN interface. With these interfaces, you can adapt to steering wheel remote controls in any given car where such interfaces exist for.

## ZE-NC524

2-DIN Naviceiver with 15.5 cm/6.1" LCD Display



### Wireless Telephoning

The ZE-NC524 is equipped with a Bluetooth module designed by the market leader Parrot, giving you hands-free functionality that guarantees multiple features and maximum compatibility with various mobile phone models. With Parrot you call anybody with excellent voice quality while driving – optionally through the integrated micro phone or through the external microphone set contained in the delivery scope. You can comfortably search for telephone book entries – all you need is to type in the first letter of the desired contact. The phone book of the ZE-NC524 automatically synchronizes with all entries present on your mobile phone. The ZE-NC514 has no integrated hands-free module, but the Tel. Mute input allows you to connect an aftermarket Bluetooth hands-free kit from any of the known brands.



**ZE-MC194**

**1-DIN Moniceiver with 17.8 cm / 7" LCD Touchscreen Display**

Monitor, DVD player and receiver all combined into one multifunctional device – both touchscreen moniceivers handle the whole spectrum of up-to-date A/V and multimedia formats and fit, in accordance to model, into standard 1-DIN (ZE-MC194) or 2-DIN (ZE-MC294) mounting slots.

**All in One**

Whether you are watching a film or simply listen to music, the built-in CD/DVD-player allows playback of all kinds of popular standard formats – such as DVD, CD, MP3, WMA, VCD, SVCD, JPEG. With its electronic and mechanical antishock system, it allows for undistorted, clear picture and sound playback during the journey.

The FM tuner module is a perfect system solution, which gives you an excellent radio reception and lets you control all RDS-functions conveniently.

**Individually Upgradable**

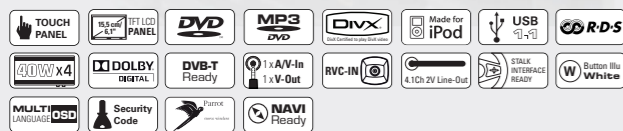
The ZENEC program comprises an extensive portfolio of additional multimedia accessory components, that are optimally suited for use with the newest moniceiver generation. You can connect and comfortably control all devices – external monitors, DVB-T tuners (ZE-DVB2000), rear view cameras or a navi-blackbox (ZE-NA2000N) – and operate them via the moniceivers touchscreen or else, with the IR-remote control.



**HIGHLIGHT**  
Top Class 350-500 €  
**CAR&HIFI** 1/2010

**ZE-MC294**

**2-DIN Moniceiver with 15.5 cm / 6.1" LCD Touchscreen Display**



Entertainment On the rear seats (2 x passenger) – passengers on the back seats can watch a DVD movie over the monitor with IR headphones, or play videogames, while you are comfortably navigating through a town or listen to your favorite song. ZENEC's high resolution monitors provide an excellent cinema like experience: unbelievably sharp and contrast-rich pictures – on the road in each vehicle. You can feed the high quality monitors from ZENEC with all moni- and naviceivers, DVD-players or DVB-T tuners, that feature an RCA A/V Output.

**ZE-MR1020-DVD**

**25.9 cm / 10.2" Ceiling Monitors with CD/DVD Commands**

The ZE-MR1020-DVD is a combination of a monitor and an integrated DVD-player. It is simply mounted to the vehicle's ceiling and, if necessary, can easily be folded up or downwards. The built-in disc loader is compatible with many A/V-formats. The operation of menus is done on-screen directly on the unit or through the IR remote control contained in the set. ZENEC's roof mount monitor or overhead monitor comes with a high resolution TFT LCD active matrix color display with high brightness.

USB port and SD card reader are located at the front, on the backside two RCA A/V Inputs allow to connect external video sources such as game consoles or video cameras.



**ZE-MU620IR 15.7 cm / 6.2" LCD Monitor**

Many newer European and Japanese vehicles nowadays deploy head rests that are very compact, preventing to install 7" headrest monitors. In this case the ZE-MU620IR/ZE-MU62D can help: With their 15.7 cm / 6.2" wide screen display, the monitors can even fit into the smallest headrests, while barely losing picture real estate compared to 7" models.

- TFT-LCD A-Grade active matrix display (ZE-MU620IR, ZE-MU703); digital TFT-LCD HD panel with Wide-VGA (ZE-MU62D)
- ZE-MU620IR: 1440 x 234 pixels resolution (336'960 dots);
- ZE-MU62D: 800 x 480 pixels resolution (384'000 dots);
- ZE-MU703: 1440 x 234 pixels resolution (336'960 dots)
- automatic PAL/NTSC-switching
- ZE-MU620IR/ZE-MU62D: 2-CH IR audio transmitter for connection of wireless IR headphones
- A/V interface
- ZE-MU703: 2 x A/V input, 1 x headphone output; ZE-MU620IR/ZE-MU62D: 2 x RCA A/V inputs
- Mounting accessories, trim frame for headrest mounting, IR-remote control (not for ZE-MU703)



- TFT-LCD active matrix with high brightness, built-in CD/DVD-loader, SD card reader, USB port
- 800 x 400 pixels resolution (384'000 dots)
- adjustable tilting angle > 120°
- Playback of CD, CD-R/RW, MP3, DVD, DVD±R/RW, VCD, SVCD, JPEG, Picture CD
- automatic PAL/NTSC-switching
- integrated Dolby Digital decoder
- integrated IR transmitter for the control of wireless headphones
- A/V interface for power supply and A/V input
- 2 x RCA A/V inputs, 1 x A/V output
- automatic interior lights with white twin dome lights (LED)
- IR remote control inclusive



**ZE-MU62D 15,7 cm / 6,2" LCD HD Monitor**

The ZE-MU62D spots a first-class digital HD panel with Wide-VGA resolution, perfect for highly resolved picture details with high brightness. Capacitive touch sensors on the device's front panel make control of functions a truly simple undertaking. The delivery scope includes a special mounting trim frame, which allows to fit the cloth or leader of the headrest between main unit and frame, which greatly simplifies the mounting process and grants good looking results.

**HD 800 x 480**  
TFT LCD Panel



**ZE-MU703 17.8 cm / 7" LCD Monitor**

The high resolution, compact screen, designed to be installed into the headrests or the center console, distinguishes itself from other offers with an A-Grade picture quality: lifelike, crisp colors and sharp contrast-rich pictures, under daylight conditions.

**GPS Navigation**

With the separately available, very compact GPS navi-blackbox ZE-NA2000N, you can simply convert both moniceivers into multimedia navigation systems. The operation of the navi is handled over the touchscreen of the ZE-MC194/294. The feature set of the GPS navigation is directly overtaken from the E>GO naviceiver models (see page 7), omitting the TMC/TMC Pro receiver and the highway mode: • navi-blackbox with built-in SD card reader, incl. 4 GB SD card with software and map data pre-installed for 43 EU-countries • 3-D landscape/city map • Smart-zoom • lane assistant • real signpost rendering • large premium P.O.I. database

The ZE-MC294 is fitted with an SD card reader and a USB port – both connective options are located easily accessible on the front side of the device – through which music and video files, but also software updates can be carried over to the moniceiver. The 1-DIN unit ZE-MC194 features a USB interface on the device's front.

**Mobile Communication**

The ZE-MC294 is equipped with a Parrot hands-free module, so that you can telephone securely and comfortably on the road. This Bluetooth solution, based on the CK5000NEW chipset, offers you excellent speech-intelligibility. The number of the caller, phonebook entries and further information can be seen with full overview on the moniceiver's display. The phone book entries of your mobile telephone are automatically synchronized with the ZE-MC294, as soon as the moniceiver connects to your phone. The Parrot module also offers comfortable alpha-numeric search of telephone book entries.

To ZE-MC194 is not equipped with a Bluetooth module, but still allows you to connect any of the current hands-free kits over the Tel. Mute lead wire.

**iPod and iPhone ready**

On both moniceivers you can of course connect an iPod or your iPhone. With the optional interface cable ZE-NC-IPF both Apple devices are linked to the moniceivers. You can control the playback of your audio data over the moniceiver's touchscreen, operation of the video playback is done over the iPod/iPhone devices themselves.



## ACCESSORIES



### DVB-T Tuner

Enjoy watching the news or latest music video clips – with the ZENEC DVB-T tuners, digital television entertainment has now arrived in your vehicle. All TV-boxes can be connected to any moniceiver, naviceiver or monitor, which have a CVBS RCA A/V input, to be comfortably controlled with the IR remote control.

The compact DVB-T tuner models ZE-DVBT50 and ZE-DVB2000 are perfectly tailored for direct connection to selected ZENEC navi- and moniceiver models and can then be controlled over the main unit's touchscreen. Both DVB-T tuners are PAL/NTSC compatible and come with a electronic program guide (EPG), as well as a manual and automatic channel search function.

Within the delivery scope of these sets, a separate IR-sensor with extension cable and an IR-remote control are contained as well, for the use of controlling devices from other brands.



**ZE-DVBT50**

#### 2-CH Diversity DVB-T Tuner especially for the E>GO Models and ZE-NC620D

- Compact 2-channel diversity DVB-T tuner
- Touchscreen compatible with E>GO naviceiver models and the ZE-NC620D
- Advanced GUI structure with optimized HMI operation (Human Machine Interface)
- MPEG-II video decoder, 24-Bit audio D/A converter
- Reception frequency/bandwidth 170 - 230 MHz (VHF) & 470 - 862 MHz (UHF)
- AFS TV station automatic channel scan
- Teletext and subtitles
- 400 station presets
- 1 x RCA A/V output
- Active DVB-T antennas included in the set content



**ZE-DVB2000**

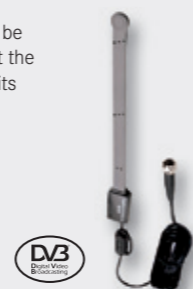
#### 2-CH Diversity DVB-T Tuner with USB

- Compact 2-channel diversity DVB-T tuner
- Touchscreen compatible with ZE-MC194/ZE-MC294, ZE-MC2000/ZE-MC5600 and ZE-NC514/ZE-NC524
- Reception frequency/bandwidth 149,5 – 426 MHz (VHF) & 434,0 – 858 MHz (UHF)
- 500 TV station presets
- USB port
- 1 x RCA A/V output

#### ZE-TV-DVB1 Active DVB-T Gluing Antenna

Active DVB-T antenna, with 5 V Phantom power supply, to be combined with all DVB-T tuners, which offer this voltage at the antenna jack. This antenna model is very compact and suits almost and install location.

- 5 V phantom power via external DVB-T tuner
- Reception range: VHF-H 170 - 230 MHz/UHF 470 - 860 MHz
- Current consumption 5 V, 35 mA MAX.
- Operating temperature: -30°C up to +80°C
- Gain factor (@ 5V) 20 dB
- Length of the coaxial cable: 4.2 m



#### ZE-HP4

#### Infrared Headphone

Passengers can enjoy multimedia entertainment with wireless headphones, without having any effect on the driver's concentration. The wireless headphones ZE-HP4 are battery-operated and receive the audio signal via the build-in infrared sensor. The volume can be adjustment directly at the headphones.



#### iPod/iPhone Adapter

You can connect your iPod and your iPhone to any ZENEC navi- or moniceiver – all you need is the matching interface cable. The interface cable enables high-speed A/V data transfer, keeping your iPod or iPhone charged during playback.

Compatibility: iPod Nano (1<sup>st</sup>/2<sup>nd</sup>/3<sup>rd</sup>/4<sup>th</sup> Gen) · iPod Video (5<sup>th</sup> Gen) · iPod Classic (6<sup>th</sup> Gen) · iPod Touch (1<sup>st</sup>/2<sup>nd</sup> Gen) · iPhone (1G/3G)



#### ZE-NC-IPS

#### Interface for: E>GO Naviceivers, ZE-NC620D



Connection to the USB port of the Media link box, supports all audio/video playback functions with direct touchscreen control of iPod/iPhone.

#### ZE-NC-IPF

#### Interface for: ZE-NC514, ZE-NC524, ZE-MC194, and ZE-MC294



Connection to the USB port at the backside of the units, supports all A/V playback functions, control of audio files via the touchscreen of the ZENEC-device's, control of video playback through iPod/iPhone themselves.



### Vehicle Specific Rear View Cameras

Car specific camera models from the E>GO range, suitable for retrofitting rear view camera functionality. The compact wide angle rear view cameras allow you to simply exchange the factory installed license-plate illumination module with a rear view camera.

Due to the specific design to match with the construction of numerous European and Asian vehicle types (up-to-date lists can be viewed at zenec.com), a quick mounting is guaranteed. The high resolution, high-quality CMOS-sensor delivers clear and highly resolved pictures, 170° viewing angle guarantees best overview behind the vehicle.



ZE-RCE2001 VW Touareg I (7L) as of 2002–2010	Seat Leon (1P) as of 2005	BMW 5 Serie (E60) Limousine as of 2007–2010	ZE-RCE4001 Honda CR-V III as of 2006	Opel Corsa (D) as of 2006
VW Golf V (5K) as of 2003–2009	ZE-RCE3101 Audi A3 (8P) as of 2006	BMW X5 (E70) as of 2006	ZE-RCE4002 Honda Civic (VIII) as of 2006–2009	Opel Meriva (A) as of 2003–2010
VW Tiguan (5N) as of 2007–2009	Audi A4 (B8) as of 2007	ZE-RCE3801 Ford Mondeo (BA7) as of 2007	ZE-RCE4101 Hyundai Santa Fe as of 2009	Opel Zafira (B) as of 2008
ZE-RCE2002 VW Polo IV (BN3) as of 2005–2009	Audi A6 (C6) as of 2005	Ford Focus II Facelift (C307) as of 2008–2010	ZE-RCE4601 Mercedes C-Class (W204) as of 2007–2009	ZE-RCE5601 Skoda Oct. II Facelift as of 2009
VW Golf VI (5K) as of 2008	Audi S5 as of 2007	Ford Kuga as of 2008	Mercedes E-Class (W212) as of 2009	ZE-RCE6101 Toyota RAV4 as of 2009
VW Golf Variant V as of 2007–2009	ZE-RCE3201 BMW 3 Serie (E90) Limousine as of 2008	Ford S-Max as of 2008	ZE-RCE4901 Nissan Qashqai as of 2007	ZE-RCE6202 Volvo S80 (AS) as of 2006–2009
VW Passat B6 (3C) as of 2005	BMW 3 Serie (E91) Touring as of 2005	ZE-RCE3802 Ford Focus (C170) as of 2001–2004	Nissan X-Trail as of 2007	Volvo XC90 as of 2006
VW Passat CC as of 2008	BMW 3 Serie (E92) Coupé as of 2007–2010	Ford Mondeo (01) as of 2000–2007	ZE-RCE5001 Opel Vectra (C) as of 2002–2008	
Skoda Superb II (3T) as of 2008	BMW 3 Serie (E93) Cabrio as of 2007–2010	Ford C-Max as of 2007–2009	Opel Astra (H) as of 2004–2009	

You find pictures of all models and information on [www.zenec.com](http://www.zenec.com).

### Universal Rear View Cameras

These three compact, very light-sensitive color rear view cameras are a useful addition from the ZENEC multimedia accessory program. The cameras offer mirrored picture output, are PAL compatible come with an RCA CVBS video output stream – and thus allow to be connected to all ZENEC moni/naviceivers and monitors, as well as to devices from other brands. The waterproof cameras are not only suitable for the install in passenger cars, but can also be deployed in motor homes, busses, etc.



Exceptionally compact rear view camera: the ZE-RVC60MT suits itself – according to type of vehicle and desired field of vision – for the installation to EU licence place frames or directly besides and underneath the trunk handle. The connection cable can in most cases, be routed through the inlet of the license plate illumination insert.



1/4" CMOS rear view camera (MT = Mounting Type) models are – thanks to the flexible integrated mounting bracket – applicable for almost any kind of mounting scenario or for those instance, where a "fit-through" camera assembly is neither possible nor wanted. For the installation of these cameras only small pilot holes need to be drilled into the bumper of the car.

### Licence-plate Cameras

The probably easiest solution, to retrofit a rear view camera: Simply exchange the EU license plate frame on your vehicle. With the ZE-RVC50LP and the smaller model ZE-RVC40LP, the camera module and all necessary electronics are fully integrated into the license plate frame. Both license plate cameras are compatible with most EU license plates, mounting could not be more straightforward either. Because of a very high light-sensitivity, both cams will give you an excellent view – also under bad lighting conditions and even during night time. The high resolution and the large horizontal viewing angle provide a quick overview of the situation behind the vehicle.



#### 1/4" SHARP CCD Color Camera



#### 1/3" SHARP CCD Color Camera



The ZE-RVC50LP can also be mounted 180° inverted (with camera pointing downwards) and is therefore a match for all current vehicles, including SUVs.

Technical Data	ZE-RVC30MT	ZE-RVC40MT	ZE-RVC60MT	ZE-RVC40LP	ZE-RVC50LP	E>GO ZE-RCE*
Luminous sensitivity	1 Lux	0,5 Lux	0,6 Lux	0 Lux (IR-LEDs)	0,5 Lux	0,3 Lux
Horizontal viewing angle	120°	120°	120°	180°	170°	170°
Resolution	333.000 pixels	290.000 pixels	316.224 pixels	297.984 pixels	365.496 pixels	251.904 Pixel

\* The technical data are identical for all car-specific rear view camera models (E>GO ZE-RCE2001 to ZE-RCE6202).

	ZE-NC2010	ZE-NC3810	ZE-NC5010	ZE-NC2040	ZE-NC13131D	ZE-NC4110	ZE-NC620D	ZE-NC514	ZE-NC524	ZE-MC194	ZE-MC294
<b>TFT PANEL</b>											
Display	16.5 cm/6.5"	16.5 cm/6.5"	16.5 cm/6.5"	16.5 cm/6.5"	15.7 cm/6.2"	16.5 cm/6.5"	15.7 cm/6.2"	17.8 cm/7"	15.5 cm/6.1"	17.8 cm/7"	15.5 cm/6.1"
Resolution	400 RGBx234	400 RGBx234	400 RGBx234	400 RGBx234	400 RGBx234	400 RGBx234	800 RGBx480	480 RGB x234	480 RGB x234	480 RGB x234	480 RGB x234
Pixels	280'800	280'800	280'800	280'800	280'800	280'800	1'152'000	336'960	336'960	336'960	336'960
Touchpanel	•	•	•	•	•	•	•	•	•	•	•
<b>TUNER</b>											
Receiver	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM
Station memory	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM	18 FM/ 12 AM
RDS	•	•	•	•	•	•	•	•	•	•	•
Auto store	•	•	•	•	•	•	•	•	•	•	•
<b>MEDIA</b>											
CD/CD-R/CD-RW	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
MP3/WMA	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
DVD	•	•	•	•	•	•	•	•	•	•	•
DVD±R/RW	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
DVD-MP3	•	•	•	•	•	•	•	•	•	•	•
VCD/SVCD	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
DivX5/DivX6	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
Picture CD/JPEG	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
Regional code	2	2	2	2	2	2	2	2	2	2	2
<b>AUDIO</b>											
Max. power output	4 x 50 W	4 x 50 W	4 x 50 W	4 x 50 W	4 x 50 W	4 x 50 W	4 x 50 W	4 x 45 W	4 x 40 W	4 x 45 W	4 x 40 W
Dolby Digital/Pro Logic 2	•/–	•/–	•/–	•/–	•/–	•/–	•/–	•/•	•/•	•/•	•/•
Equalizer	•	•	•	•	•	•	•	•	•	•	•
Subwoofer-level control	•	•	•	•	•	•	•	•	•	•	•
Integrated low-pass filter	•	•	•	•	•	•	•	•	•	•	•
<b>AV-CONNECTIONS</b>											
Preamplifier outputs	5.1	5.1	5.1	5.1	4.1	5.1	4.1	4.1	4.1	4.1	4.1
2-CH preamplifier outputs	•	•	•	•	•	•	•	n.a.	n.a.	n.a.	n.a.
Video output (NTSC)	2	2	2	2	2	2	2	1	2	1	2
Video input	1	1	1	1	1	1	1	1	1	1	1
Video input (camera)	1	1	1	1	1	1	1	1	1	1	1
Aux-In (RCA)	1	1	1	1	1	1	1	n.a.	1	n.a.	1
<b>GENERAL</b>											
Made for iPod/iPhone	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•	•/•
Integrated Bluetoothsystem	•	•	•	•	•	•	•	n.a.	•	n.a.	•
USB port	•	•	•	•	•	•	•	•	•	•	•
SD card reader	•	•	•	•	•	•	•	n.a.	n.a.	n.a.	•
Dual zone	•	•	•	•	•	•	•	n.a.	n.a.	n.a.	n.a.
Anti-theft protection (code)	•	•	•	•	•	•	•	•	•	•	•
<b>EXTENSIONS</b>											
DVB-T tuner	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50	ZE-DVBT50
External GPS navigation	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	ZE-NA2000N	ZE-NA2000N
<b>OTHER</b>											
Incl. BT micro internal/external	•/•	•/•	•/•	•/•	•/•	•/•	•/•	/•	n.a.	•/•	•/•
Incl. front remote control	•	•	•	•	•	•	•	•	•	•	•
Incl. rear remote control	•	•	•	•	•	•	•	•	•	•	•
Key illumination	○ (VW)	● (FORD)	● (OPEL)	● (VW)	● (AUDI)	● (HYUNDAI)	multicolor	white	white	white	white
Integrated navigation	•	•	•	•	•	•	•	•	•	n.a.	n.a.
4 GB on-board flash memory for navi-data	•	•	•	•	•	•	•	n.a.	n.a.	n.a.	n.a.
Map data Full Europe	•	•	•	•	•	•	•	•	•	•	•
<b>Vehicle integration</b>											
CAN connection	•	•	•	n.a.	•	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Connection steering wheel remote control	•	•	•	(optional adapter)	•	•	(optional adapter)	(optional adapter)	(optional adapter)	(optional adapter)	(optional adapter)
Connection driver info display	•	n.a.	•	n.a.	•	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Optical parking system	•	n.a.	n.a.	n.a.	•	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Optical climatronic	•	•	n.a.	n.a.	•	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

"n.a." = not applicable

**TOUCH PANEL**



The functions of the device functions can be controlled directly via the touch-sensitive touchscreen TFT LCD panel.

**TFT LCD PANEL**



Describes the screen dimensions of the TFT LCD displays.

**PICTURE RESOLUTION**



Describes the screen resolution in pixels.

**LED BACKLIGHT**



The device features LED backlight illumination. A uniform panel illumination, high panel brightness and highest life span of the product are assured.

**MOTORIZED PANEL**



The monitor panel of the device is motorized.

**RDS**



The device supports RDS-functions, such as radio text, TA-function, AF, etc.

**PARROT BLUETOOTH TECHNOLOGY**



The device deploys a Bluetooth module from the market leader Parrot. The integrated voice guidance and in particular the DSP based echo and noise cancelling provide most convenient hands-free calling with highest speech intelligibility.

**DVD**



The disc loader can play DVD media.

**MP3**



The disc loader can play MP3 data that have been burned to DVD discs.

**DIVX**



The device is officially DivX certified and can play DivX formats, including DivX6.

**MADE FOR IPOD**



You can connect an iPod to this device. The playback of the iPod can be directly controlled through the touchscreen of the device (optional interface cable required).

**WORKS WITH IPHONE**



You can connect an iPhone to the device. The playback of the iPhone can be directly controlled through the touchscreen of the device (optional interface cable required).

**USB**



The device features a USB port 2.0; all hardware compliant to this USB standard is supported.

**SD/SDHC**



The device can play SD cards up to 2 GB and SDHC cards from 2 to 8 GB.

**POWER OUTPUT AMPLIFIER**



Describes the power output of the integrated amplifier.

**DOLBY DIGITAL**



The device deploys a Dolby Digital (AC3) processor, which converts the audio track of DVDs that have been encoded accordingly.

**DUAL ZONE**



The device features a Dual Zone function: two different sources can be played at the same time, for fully independent entertainment in the vehicle's front and rear zones.

**DVB-T READY**



The device can be combined with a separately available ZENEC DVB-T tuner, featuring full touchscreen compatibility.

**A/V IN AND A/V OUT**



Describes the number of A/V inputs and outputs; for example, to connect external monitors or other playback devices.

**LINE-OUT**



Describes the number of pre-amplifier outputs and the maximum output voltage.

**REAR VIEW CAMERA CONNECTION**



The device features a dedicated input to connect a rear view camera. By putting the vehicle into reverse, the rear view camera picture is switched on and blends right into the device's main TFT screen.

**TEL. MUTE**



The device features a Tel. Mute lead wire input to which optional hands-free kits can be connected - the device will then mute A/V playback when a call is received via the hands-free kit.

**STALK INTERFACE READY**



Allows the connection of a Stalk /CAN interface, to enable a car specific data transfer of the device to existing steering wheel remote controls and/or CAN bus.

**CONNECTION TO MFD+ AND DRIVER INFORMATION DISPLAY**



The device adapts to the multifunction information display (MFD+ for VW) or to a driver information display (for OPEL).

**BUTTON HIGHLIGHTS**



The key illumination color of the device is white, red, amber or blue.

**MULTICOLOR**



The key illumination color of the device can be chosen from a set of preselected colors.

**MULTI LANGUAGE**



GUI language of the device menu can be chosen from a selected number of languages.

**SECURITY CODE**



The device features a software controlled security code, to prevent hardware against thieves.

**NAVI-INSIDE – NAVI-READY**



Navi-Inside: The navigation module is integrated into the device. Navi-Ready: A navigation module can be connected as an option; the navigation is then operated via the touchscreen of the main device.

**FULL EUROPE**



The map data covers all European countries, including Switzerland.

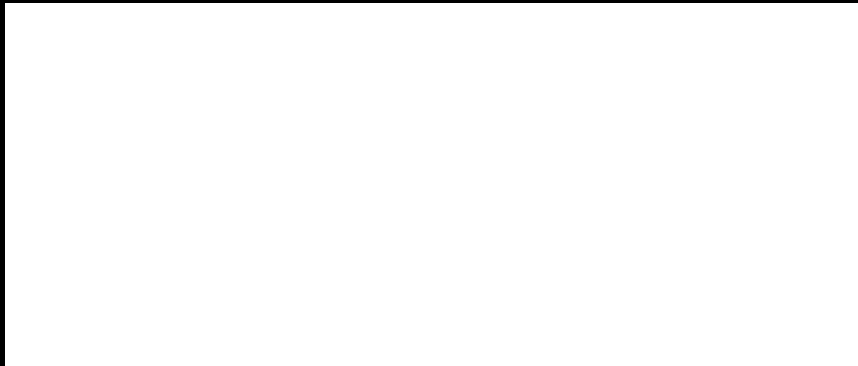
**TMC - TMC PRO READY**



The device includes a TMC receiver. The TMC PRO function can be activated online against a license fee (optional) at www.zenec.naviextras.com (only for Germany, UK, France).

www.zenec.com

By ACR AG, Bohrturmweg 1, CH-5330 Bad Zurzach, Switzerland  
Phone +41 56 269 64 64, Fax +41 56 269 64 65, www.acr.eu



Specifications and design are subject to change without notice. • Photos in this catalogue can differ from real product and are thus non-committal. The ZENEC distributor does not take any responsibility for printing errors. • Dolby, Dolby Surround, Prologic and the double-D symbol are trademarks of Dolby Laboratories. • iGO8 and Navixtras are trademarks and registered trademarks of NavNGo Kft in Budapest, Hungary. Microsoft Windows and MS Windows CE logos are trademarks / registered trademarks of Microsoft Corporation in the United States and other countries. • iPod, iPhone, iPad and iTunes are trademarks of Apple Computer, Inc., registered in the United States and other countries. • 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. • iPhone is a trademark of Apple Inc., registered in the U.S. and other countries. • "Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards. The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Parrot S.A. is under license. The trademark and the Parrot® logo are the sole and exclusive property of Parrot S.A., the use of Parrot logo and trademark is carried out under license. • DivX® and DivX® HomeTheater Certified as well as associated logos are trademarks of DivX Inc. and are used by ZENEC under license. All ZENEC items that deploy a DVD loader incorporate copy protection technology that is protected by U.S. patents and further intellectual party rights of Rovi corporation. TMC Pro is a trademark of ITIS, RAC Trafficmaster and V-Traffic in the UK and France. • The SD logo is a trademark of the SD Card Association. All other trademarks and commercial names are the property of their respective owners.

• All units in this catalogue are designed and intended for deployment in normal passenger cars, installation and use in other environments is not recommended. • The driver of a car with a ZENEC navigation or multimedia system installed should know and follow the local traffic laws/traffic regulations existing in the country of use. • Check [www.zenec.com](http://www.zenec.com) for the compatibility and potential limitations of devices to be connected – i.e. iPod/iPhone models listed to be compatible with the ZENEC unit of choice. Check [www.zenec.com](http://www.zenec.com) for compatibility of your cell phone model and its compatibility with the Parrot BT section of your ZENEC device.

© Copyright by ZENEC, June 2010