

ZE-NC2010

CAR SPECIFIC NAVICEIVER

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



E>GO
EXCHANGE AND GO

ZENEC
TOUCH ANOTHER WORLD

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E>GO naviceiver – 100 % custom-fit

E>GO is an innovative concept from ZENEC, the leading multimedia specialist. Exchange and Go – E>GO for short – stands for a new generation of naviceivers, whose construction and design is custom-fit to the interior of various types of automobiles. Navigation, entertainment, communication – the ZE-NC2010 naviceiver is a complex navigation and multimedia system with a large range of features. ZENEC's new top-of-the-line model fits together visually with all automobiles belonging to the GOLF V and GOLF VI lines – the VW Golf VI, Golf V, Tiguan, Eos, Passat, Passat CC, Jetta, Caddy, Touran, Scirocco – as well as with the SEAT models Altea, Leon and Toledo where a new OE trim bezel must be purchased separately for the install.

The white button illumination and the customized design of the front panel makes the E>GO not only perfect for the respective look of the car interior, but the E>GO is also effortlessly integrated into the existing automotive electronics. ZE-NC2010 is suited for installation into the original center console of the above named automobiles without further modifications and without any additional adapters: simply take out the factory radio, put in the E>GO and drive off. Even the connection of the factory-made steering wheel remote control is no problem: simply connect the E>GO to the existing plug – the functionality of the factory installed components is preserved.

ZENEC E>GO – ingeniously easy, visually perfect.

First-class navigation

The integrated navigation system of the ZE-NC2010 is absolutely upper class: maps covering 43 European countries, TMC/TMC Pro receiver, tunnel mode, lane assistant, 3-D landscape/city map views or the highway split screen display mode with real signpost rendering (display of the highway signs on the map) – these features underline the high standard with which the ZENEC E>GO navigates.

Pure infotainment

When it comes to the top-of-the-line naviceiver equipment, all wishes have been fulfilled: The built-in CD/DVD drive plays all the current A/V formats. The electrical and mechanical anti-shock system provides for perfect image and sound fidelity during the ride. In addition to an RDS tuner for the best radio reception, the ZE-NC2010 is also equipped with an integrated digital power amplifier (4 x 50 watts) and a Dolby digital decoder. The E>GO has a USB-Port and a SD/SDHC card reader so music, movies, multimedia files or photos can be easily played back. The card slot is easily accessible on the front and is useable for SD and SDHC cards of up to 8 GB of memory.

iPod and iPhone ready

As a matter of course, the ZE-NC2010 is iPod and iPhone ready for all models (compatibility list on www.zenec.com). The connection is made with the ZE-NC-IPS interface cable (available separately). Complete compatibility means that songs, videos, podcasts, etc. can be played back and controlled via touchscreen.



Compatible automobiles

Models:	VW Passat as of 03/2005	VW Scirocco as of 2008
VW Golf VI as of 08/2008	VW Passat CC as of 08/2008	SEAT Altea + XL* as of 05/2004
VW Golf V as of 09/2003	VW Caddy as of 07/2004	SEAT Leon* as of 09/2005
VW Jetta as of 08/2005	VW Tiguan as of 2007	SEAT Toledo* as of 12/2004
VW Eos as of 05/2006	VW Touran as of 03/2003	* Additional OE trim bezel required.

Full range of functions

The connection to an existing multi-function display (MFD+) is no problem: Navigation arrows as well as station and track information from the radio/CD/USB sources etc. is shown.



Grade A image presentation

The 16.5 cm/6.5" touchscreen display is top quality: A non-reflecting TFT LCD panel with LED backlight delivers sharp, brilliant and high-contrast pictures – under bright conditions. All of the functions can be comfortably controlled using the touch sensitive panel. A Dual-Main-GUI (graphical user interface) with two main planes and large display icons make sure that the E>GO can be unerringly operated during the ride.



Communication made easy

The ZE-NC2010 is equipped with an advanced CK5050+ Bluetooth system from Parrot. This makes playing music from a mobile phone and making phone calls in the car as simple as child's play.



Perfect integration

The design of the ZE-NC2010 is specifically tailored to match up with the interior of VW and SEAT line vehicles including the button illumination in white.

Foolproof connection

The connection to the factory-made steering wheel remote control is no problem: Simply connect it with the included plug and operate the E>GO via the steering wheel remote control.

Ingeniously easy operation

All functions are comfortably operated using the touch screen: From the operation of the navigation or the iPod/iPhone and the hands-free equipment to additional components like a DVB-T tuner or rear view camera.





Integrated full-feature navigation

Navigate unerringly via touchscreen in all of western and eastern Europe – with its integrated navigation system, the naviceiver ZE-NC2010 reliably shows you the way in more than 43 countries. Due to the customized Nav-Engine software, the route calculation is very fast.

Enter the desired destination thereby choosing between the various destination and route entries – through address, ZIP/postal code, POI, saved/last found destinations. etc. – and you are ready to go.

Your electronic copilot guides you to your destination without detours and shows you, if you so wish, relevant points such as gas stations, hotels, restaurants, parking lots, etc.

Unmistakable navigation is ensured through a clear graphic map display, where various scales and view modes are available in 2-D and 3-D, as well as precise voice guidance (in 28 languages) and an easily understandable GUI display (also in 28 languages). The automatic zoom at intersections or traffic circles makes sure that there is no confusion even at difficult locations.

Tunnel mode and lane assistant plus the 3-D landscape or 3-D city map views (with buildings, places of interest, and city maps) simplify the navigation just as well as the highway split screen mode with real signpost rendering (the display of signs in real-time on the map).

Features

- maps covering 43 countries in western and eastern Europe
- TMC/TMC Pro receiver
- voice guidance and display in 28 languages
- enter the destination using the address, ZIP/postal code, POI, latitude and longitude, saved/last found destinations
- TTS text-to-speech function
- distance displayed during route guidance (distance/time)
- map view switchable from 2-D to 3-D landscape and 3-D city map
- smart-zoom function at intersections/turning lanes
- highway mode with split screen and real signpost rendering

- lane assistant
- comprehensive premium POI data bank, 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 flash memory for navigation software – the SD/SDHC card slot stays available for A/V use
- external GPS receiver included
- external TMC box included
- updates through Naviextras

Map updates and new features

You can update the ZE-NC2010 content package, expand the navigation with additional maps, or download the newest 3-D citymaps using the website zenec.naviextras.com anytime, in the middle of the night or even during a journey. The website zenec.naviextras.com makes it easier than ever before to keep your navigation system up-to-date and individually put the new features and functions together.

At www.zenec.naviextras.com you can find the following download/update options:

- map bugfixes
- map updates: arrive at your destination more comfortably using the most current maps
- additional maps and POI data banks – you have the choice between more than 60 countries worldwide
- additional 3-D citymaps: three dimensional images of famous buildings and places of interest as well as realistic images of terrain (mountains, hills and valleys)
- additional voices and languages



www.zenec.naviextras.com



Contained in the set: An external GPS receiver and external TMC/TMC Pro receiver, which make current traffic reports available. With TMC you will be informed about traffic jams or other obstructions on your route in a timely manner. The navigation system automatically gives you alternative route suggestions so you can avoid annoying traffic jams and unnecessary delays during your journey.



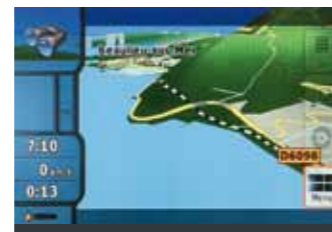
Comfortably access all the functions using the touchscreen.



Different colour modes available, e.g. blend poor colours in the night mode



3-D landscape or 3-D city map views with buildings, places of interest and maps



Topographic 3-D map representation



Automatic smart zoom function to enlarge intersections and turning lanes



Real signpost rendering: display of highway signs in real-time



Announcement of all traffic events on the route with TMC



Split screen mode: navigation display within the selected A/V menu



In 2-D mode the map orientation can be set to north or else, aligned with the direction of driving.



Communication via Bluetooth

Make phone calls and play music from your mobile phone: ZENEC's naviceiver allows pairing and convenient operation of almost any Bluetooth compatible mobile phone from a ZE-NC2010. The ZE-NC3810 is equipped with the CK5050+ Bluetooth module from the leading hands-free specialist Parrot. In addition to the hands-free application, audio files from a mobile phone can be read-out (audio streaming via A2DP with AVRCP-profile) and played back in superb quality through the car's speakers and operated by touchscreen.

Convenient hands-free talking

The new Parrot Bluetooth module marks an improvement in mobile communication: advanced signal processing technology, the so called Parrot Beamforming, is provided through a multi-directional, freely positionable external microphone. With this technology, surrounding noises and echo effects are suppressed so that the voice is clearer. Hands-free during the drive – the caller number, phone book entries and other information are clearly shown on the ZE-NC2010 display. The address book of the naviceiver is automatically synchronized with the mobile phone as well. The Parrot module enables an alphanumeric sorting of phone book entries

Ease of installation/user friendliness

The installation of the ZE-NC2010 is uncomplicated: Simply connect the E>GO with the vehicle's plug, plug in the FM and GPS antenna cable and you can then mount the E>GO into the radio slot of the center console.



Connection to the steering wheel remote control

Factory-installed steering wheel remote controls stay fully functional with E>GO: The A/V functions of the E>GOs are connected to the steering wheel remote control via interface with the VW CAN-Bus. Each A/V source (radio, MP3, USB, etc.) including the hands-free function can be easily operated – ex factory – via the steering wheel remote control.

Connection to the CAN-Bus

The E>GO is connected to the vehicle's CAN using a CAN/Stalk interface (included in delivery) plugged into the connection cable and is integrated optimally in the vehicle's internal data communication network.

Multi-function display integration

Even the connection to an already existing multi-function display within the view of the driver is no problem for the ZE-NC2010: With the ZE-NC2010 in the navigation mode, the multi-function display (MFD+) shows distance to turn and

with an additional search function – a feature that guarantees ease in finding phone book entries, especially for professional use.

Additional Bluetooth features:

- redialing
- switch between hands-free and mobile phone to continue a call via mobile if necessary
- memory for dialed and received calls
- connection of up to 5 mobile phones, management and hosting of up to of up to 1000 names (and a total of 3000 number entries)
- search function using initials
- voice dialing

Bluetooth always up-to-date

The Bluetooth component firmware of the ZE-NC2010 can be conveniently updated using a USB stick, for example if you would like to use a brand new mobile phone model or business phone in the car. The palette of compatible mobile telephones can be expanded at any time – with the ZE-NC2010 you are always up-to-date.

change of direction with corresponding direction arrows. Additional info, for example station and track information from sources selected by the user, such as radio/CD/USB etc., are displayed on the MFD+ as well.



Media link box

Especially practical: USB port or iPod connection are available by the very compact included Media link box. The relatively small box (with 1.5 m cable extension) can be placed in the center console or in the glove compartment or wherever it can be reached conveniently. This makes it possible to quickly connect and disconnect additional A/V data sources/components.



iPod/iPhone

iPod and iPhone can be connected to the Media link box with the adapter cable ZE-NC-IPS (available separately). The connection using the USB high speed bus not only allows for quick access to all files, but also the control of videos via the naviceiver touchscreen. Naturally the iPod and iPhone are being charged during playback.



Navigation navigate by touchscreen fast and comfortable in 43 European countries (including eastern Europe)	CD/DVD player plays CD, CD-R/RW, MP3, WMA, DVD, VCD, SVCD, DVD±R/RW, DVD-MP3, JPEG, Picture CD	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), operation via touchscreen	Camera rear view camera port, manually or automatically activated through putting the car in reverse	iPod/iPhone iPod/iPhone direct connection via optional cable, operation via touchscreen (also for iPod/iPhone video)
SD/SDHC card reader integrated SD/SDHC card reader to play video files, music, etc., SDHC compatible up to 8 GB	Bluetooth/A2DP integrated Parrot Bluetooth module for hands-free operation and audio streaming, updateable firmware	A/V input A/V port (RCA) for the connection of other external A/V appliances like gaming consoles, etc.	M-Zone separate A/V playback zones divided into front and rear seat entertainment, only for DVD and DVB-T	MPEG4/DivX6 plays all standard video formats like AVI, XVID and MPEG4 – additionally DivX6 files as well	Security code intelligent anti-theft protection based on software monitoring the power supply



Updates secure the future

Many options allow for you to always be kept up to date with the ZE-NC2010, for example updating the ZENEC CAN interface software via USB port. Even the system software is updatable (to implement functions still to come) as well as the Parrot Bluetooth module firmware – so that the ZENEC equipment is always compatible with new peripheral devices. Software updates for all ZENEC E>GO equipment can be downloaded conveniently from the internet at www.zenec.com (menu item "Support").

Additional components from the ZENEC program

The ZENEC program has a wide palette of multimedia-based additional components that are optimally suited to the E>GO ZE-NC2010. All equipment – external monitors, DVB-T tuners or rear view cameras – can be connected directly to the naviceiver; the settings can be operated via touchscreen or with the ZE-NC2010 IR remote control.



Specifications

GENERAL	ZE-NC2010
iPod/iPhone direct connection	•/•
Bluetooth/A2DP stereo	•/•
USB	•
SD/SDHC card reader up to 8 GB	•
Dual Zone	•
Anti-theft protection (security code)	•
CAN-Bus connection	•
MEDIA	
CD/CD-R/CD-RW	•/•/•
MP3/WMA	•/•
DVD	•
DVD-R/DVD-RW/DVD+R/DVD+RW	•/•/•/•
DVD-MP3	•
VCD/SVCD	•/•
MPEG4/DivX5/DivX6	•/•/•

Picture CD/JPEG	•/•
Region Code	2
TUNER	
Receiver	FM/AM
Station memory	18 FM/12 AM
RDS	•
Auto store	•
AUDIO	
Max. power output	4 x 50 W
Dolby Digital	•
Equalizer	•
Subwoofer line level control	•
Integrated low pass filter (sub out)	•
A/V CONNECTIONS	
Preamp-outputs	5.1
Video out (NTSC)	2

Video in	1
Video in (rear view camera)	1
TFT LCD PANEL	
Display	16.5 cm/6.5"/16:9
Resolution	1200 x 234 pixels
Picture elements	280'800
Touch panel	•
TOUCHSCREEN COMPATIBLE OPTIONS	
Rear view camera/DVB-T tuner	•/•
iPod/iPhone via Media link box	•/•
OTHERS	
Incl. Bluetooth microphone internal/external	•/•
Incl. remote control front/rear	•/•
Incl. Media link box	•
Button illumination	White