

## ZE-NC2051D



**EXGO**  
EXCHANGE AND GO



## Car Specific Naviceiver for VW T5 Multivan and T5 California

### MAIN FEATURES ZE-NC2051D

#### GPS NAVIGATION SYSTEM

- 3D High-Definition navigation system
- TMC and TMC Pro receiver
- External GPS antenna
- 8 GB internal flash memory with map data for 43 Eastern and Western European countries and Premium POI database
- Graphical user interface and voice guidance in 28 different languages
- 2D or 3D map view with auto-zoom and display of 3D terrains and 3D landmarks
- Eco and Smart Route Planning, Outlook address import, Real Junction View and Real Signpost rendering etc.
- Text to Speech function

#### 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)
- microSD/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 and JPEG
- Playback SD/USB: MP3, WMA, AVI, Xvid, H.264 and JPEG

#### 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
- RDS phase diversity dual tuner with 30 preset stations (18 FM/12 AM)
- Multi zone function
- 4 x 50 watts class-D amplifier
- 2 x IR-remote control

#### A/V-CONNECTIONS

- 4.1-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 compatible external DVB-T or DAB+ receivers

#### BRAND/VEHICLE SPECIFIC FEATURES

- Steering wheel remote control integration via CAN
- Multifunctional display (MFD+. MFA Premium) integration via CAN\*
- Optical Park System (OPS) integration via CAN\*
- Climatronic control status, integration via CAN\*
- DYNAUDIO Soundsystem integration
- Red key illumination

\*Functionality only provided if feature specific CAN Data present.

### Vehicle Compatibility List

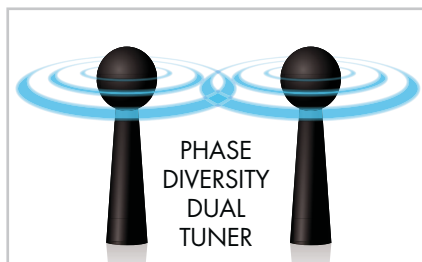
Model	Type	Model Year
VW T5 Multivan	Comfortline, PanAmericana, Highline, Edition25, BlueMotion*, Match, Special, Business, Caravelle	as of 2010
VW T5 California	Comfortline, Europe	as of 2010

The physical dimensions of the OE radio have to be identical with the dimensions of the ZENEC device, to allow installation. The vehicle must be fitted with a phase diversity antenna system.

\*Depending on the vehicle configuration, the dash board shape may vary. In such cases, the general physical requirements for device fitting apply.

## ZE-NC2051D

### Features



#### Phase Diversity FM Dual Tuner

The dual tuner of the E>GO is working 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 – you always enjoy optimum radio reception, even under difficult conditions.



#### Steering wheel remote control integration

The ZE-NC2051D is connected via the vehicle-specific CAN bus interface to the factory installed steering wheel remote control. A/V sources (radio, CD/DVD, MP3, USB) are operated in identical fashion as with the OE radio before.



#### Multifunction Display

E>GO is a perfect fit: The ZE-NC2051D also supports the Multifunction Display (MFD+ and MFD Premium), that is connected to the CAN bus. Displayed are turn key arrows, as well as radio station and track infos from all audio sources.



#### Parking sensors

Perfect integration into each target vehicle – data present in the CAN net for factory installed parking radar sensors is read, processed and displayed via the ZENEC OPS (Optical Parking System) on the Touchscreen of the E>GO.



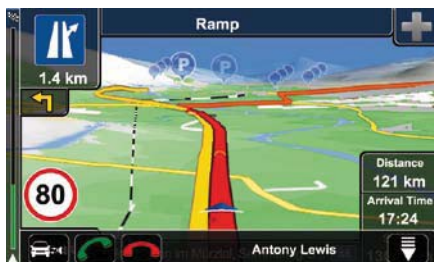
#### A/C control status info integration

The status data of the Climatronic, if installed in the respective vehicle and present in the CAN net, are displayed as a Pop-Up info on your E>GO's touchscreen display during adjustment of any A/C related function.



#### 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 E>GO can also be controlled in safety when you are driving.



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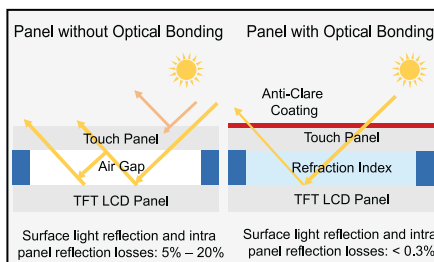
#### Simple connection of iPod/iPhone

Connect your iPod or iPhone to the E>GO device via the USB port of the Media link box. The display of Apple Album Art is integrated in the iPod/iPhone menu. This menu also gives you the facility to search for a title or an artist alphabetically.



#### 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.



#### Optical bonding

Optical Bonding improves display clarity and contrast under direct sunlight conditions. The anti-glare coating on the touchscreen and the internal lamination of the touchscreen to the TFT LCD display prevent internal reflections and light refractions – for a visible improvement of contrast and sharpness.



#### Easy parking and maneuvering

You can also easily connect a rear-view camera to the E>GO 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.



#### Individual entertainment

You want to listen to the radio while the backseat passengers enjoy a video on the head rest monitor with head phones? The E>GO is designed for M-Zone operation. This allows the front and rear channels to be split for the transmission of two different program sources.

## E>GO NAVICEIVER



**NAVIGATION**



**BLUETOOTH**



**ENTERTAINMENT**

### The new ZENEC E>GO generation

The actual ZENEC E>GO generation is being launched with an innovative hard- and software platform and many additional features. For the first time, among the seven new permanently installed in-car navigation systems tailor-made for various car models, there are now also vehicle-specific naviceivers for the AUDI A4, FIAT Ducato, HYUNDAI ix35, VW T5 Multivan, and T5 California.

The E>GOs offer multimedia entertainment and navigation comfort at the highest level. The great range of functions and the optimal integration make the E>GO permanently installed navigation systems the ideal aftermarket device to replace out-dated car radios and navigation systems.

Equipped with the very latest features and technologies, an E>GO is also a top-quality alternative to high-price factory-fitted navigation systems, which are often developed at the same time as the car model.

### Perfect integration in VW models

Radically simpler integration in the specific target vehicle is what distinguishes the E>GO series: instead of compromises, a specifically designed, perfect system solution.

The specific construction of the ZE-NC2051D, its red button illumination and customized styling of the front panel makes ZENEC's top naviceiver blend in perfectly with the VW models T5 Multivan and T5 California.

The ZE-NC2051D is also effortlessly integrated into the existing automotive electronics. The E>GO is linked to the steering wheel remote control, the Multifunction Display (MFD+, MFD Premium), Optical Park System (OPS), and the Climatronic control status via the vehicle-specific CAN bus interface. The full functionality of

factory in-installed components remains intact.

The ZE-NC2051D is suited for installation into the radio slot of the above named automobiles without further modifications or additional adapters: simply take out the factory radio, put in the E>GO and drive off...

### In the centre – the user

Ease of operation also achieves a new level with ZENEC's new E>GO generation. The clearly structured menus of the newly designed GUIs are self-explanatory and intuitive to use.

Large control fields and logically structured navigation ensure that the ZE-NC2051D can also be controlled in safety when you are driving. The touch slide function lets you surf through the menus with ease.

The features appearing on the navigation main menu can be placed in different positions by dragging. Another very user-friendly feature is the export and import of user settings function: these can be saved on a USB stick and reloaded later.

### Total multimedia

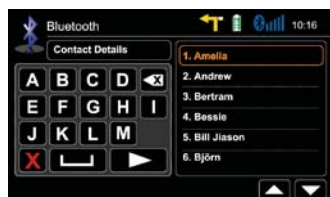
For the multimedia part, the new E>GO is perfectly equipped as usual. A built-in CD/DVD drive, a USB port, a connection for an iPod/iPhone as well as a microSD/SDHC card reader are provided to playback the latest music and video formats.

The ample number of A/V connections – for example, the ZE-NC2051D also has a 4.1 preamp output – enables the connection of further components. External monitors, DVB-T or DAB+ tuner or a rear-view camera can be connected directly to the E>GO and controlled via the fast reaction, high-resolution digital wide VGA touchscreen display.



#### Easy connections

You can connect up to 5 mobile phones to the E>GO, each having 1,000 contacts. The address book of your mobile synchronizes with the E>GO automatically.



#### Fast contact entry search

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



#### Contact management

You can search for a contact in the phonebook or in the favorites list. But you can also display the list of outgoing/incoming or missed calls.



#### Quick-Dial menu

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



## E>GO NAVICEIVER



### High-resolution 3D maps

The high-resolution WVGA display of the E>GO ensures that all maps appear pin-sharp. 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 for complex terrains, different designs for day and night: Thanks to GPS time acquisition, the E>GO can also automatically switch between day and night modes.



### Text-to-Speech

The E>GO also displays the names of the crossroads and will read out the street names, thanks to the Text-to-Speech function – in this way you can concentrate fully on the traffic while driving.



### Real Junction View

Features like the 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.

## Hassle-free hands-free BT calling

The Bluetooth suite of the ZE-NC2051D comes from Parrot, leading supplier of hands-free systems worldwide and guarantor for comfortable call handling. With the new search function (up to 15 letters), it is now even simpler to find an entry in large phone books. The Quick-Dial menu allows direct access to five favorite contacts that are easy to edit.

But Parrot also stands for excellent speech quality – either using the integrated microphone or the multi-directional, freely positionable, external microphone supplied. Thanks to the innovative audio DSP, unwanted ambient sounds can be filtered out more efficiently and voices understood more easily.

## High performance navigation system

The ZE-NC2051D navigation section offers a fistful of functions. High resolution maps of 43 European countries with Premium POIs, integrated TMC/TMC Pro receiver, Text-to-Speech announcement of street names and the many nav functions make this E>GO the perfect navigator. Naturally, thanks to the Latest Map Guarantee,

all your nav data is always kept updated.

The detailed 3D HD rendering of terrain, points of interest and buildings shows the environment as it really is – three dimensional – and helps orientation, especially in big cities. Thanks to realistic displays of freeway interchanges and exits, lane changing and leaving the freeway become even simpler.

For the new E>GO generation, the function package has been substantially expanded. The newly implemented Quick menu gives lightning-fast access to all functions – even making the search for points of interest very much simpler.

Shorter and more economic routes can be planned using the Smart or Eco modes of route calculation. In addition, traffic information and advisories are displayed when crossing EU borders, and you receive visual and acoustic speed warnings if the permitted speed limit is exceeded.

With the new E>GO you can import Outlook data using Toolbox and use it for navigation. Updates and additional POIs can easily be downloaded from the Naviextras online portal [www.zenec.naviextras.com](http://www.zenec.naviextras.com) and installed via USB.



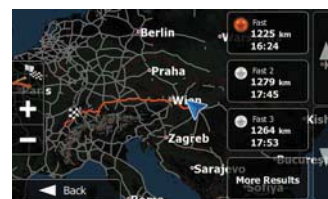
### Reach Points Of Interests fast

The E>GO has a Premium POI Database with more than six million entries. Using the well designed search menu makes it easy to select special destinations.



### Intelligent destination input

To select a destination, you need to enter only a few letters – the E>GO completes your input and automatically proposes appropriate destinations.



### Intelligent route planning

So that you can optimize the route exactly as 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

Use the Where Am I? function to find hospitals, police stations, cash machines, filling stations and much more in your vicinity – a finger tap is all it takes.



### Informed in timely manner

Included in the function package is the display of advisories when crossing EU borders, together with various warning messages.



### Importing Outlook contacts

You can easily import MS Outlook contacts directly into the navigation software of the E>GO by using the Naviextras Toolbox.



### Flexible map updates

Via the online portal [www.zenec.naviextras.com](http://www.zenec.naviextras.com), you can update the pre-installed map packages at any time or upgrade it as you wish.