

**MODEL NO:**

**ZE-NC5010**

**CAR SPECIFIC NAVICEIVER FOR  
OPEL/VAUXHALL CARS**

**USER MANUAL**

GERMAN/ENGLISH

 **ZENEC**

**VERSION 03/2010**

## ABOUT THIS INSTRUCTION MANUAL

The instruction manual contains important information and warnings about the operation of this unit. Please store it inside your vehicle to have access to it any time.

### NOTE:

- Text passages with this symbol indicate particular information, which is very important for correct operation.

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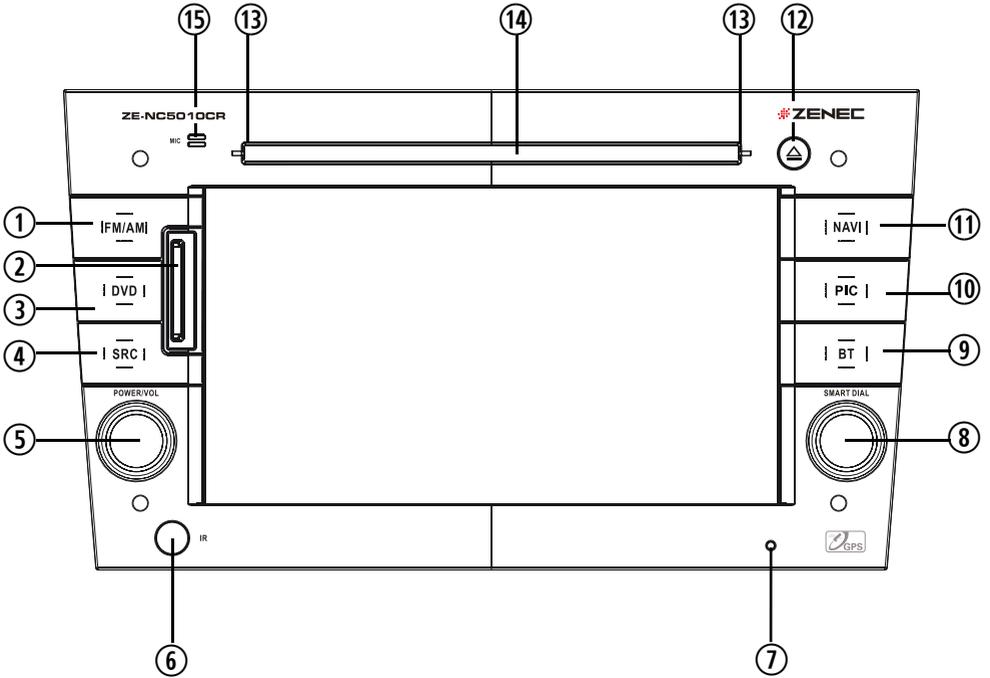
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## SAFETY INSTRUCTIONS

1. This unit is designed to be used in a vehicle with a 12V battery and negative ground.
2. Do not operate the unit in any other way than described in this manual. Failure to follow the instructions within this manual will void your warranty.
3. Do not disassemble or alter the unit in any way, because that will also void your warranty. Do not attempt to repair or to service the unit yourself, but contact an authorized ZENEC dealer instead.
4. Use only original accessories which are designed and manufactured for the unit, otherwise you will risk to damage it. Install the unit according to the mounting manual and use only the supplied mounting accessories. The forces of acceleration for accidents are sometimes huge. Incorrect mounted units are a big risk for the driver and the passengers of the car, during an accident.
5. Protect the unit from water and other liquids, which can enter the casing. A short circuit or even fire could be the result.
6. Before you replace a defective fuse, try to find the cause for the short circuit. Please pay attention to the cables of the power supply! If the short circuit doesn't result from a failure of the power supply or wiring, you can replace the defective fuse with a new one (same values). If the short-circuit is still existing, please contact an authorized ZENEC dealer.
7. Be careful not to drain the car battery while using the unit when the car engine is turned off. Because the unit uses a considerable amount of energy and the battery will be charged only while the engine is running, it might happen that the battery will discharge to a point where it's not longer possible to start the engine.
8. According to the law in different European countries, driving with monitors which are showing movies in the viewing range of the driver is not allowed, because the driver might be distracted from the traffic. Please respect the traffic regulations of your country, or you might face penalties in case of an accident or even loose your insurance cover. Please pay attention to the volume inside your vehicle, because you are obliged to notice exterior sounds like a police siren.
9. Don't expose the unit to hard impacts. A mechanical or electrical malfunction of the unit could be the result.

# FRONT PANEL BUTTONS

## MAIN UNIT



**1. FM/AM**

- Press the FM/AM-Button to enter the radio mode.
- Press the FM/AM-Button in the radio mode to choose between the following radio bands: FM-1, FM-2, FM-3, AM-1, AM-2. Press and hold to de-/activate TA.

**2. SD-card slot****3. DVD**

- Press the DVD-Button to enter the DVD/CD mode.

**4. SRC**

- Press and hold the SRC-Button to enter the main menu.
- Press the SRC-Button to change between the following playing modes:  
RADIO → Disc → NAVI → AV IN → DVBT → SD CARD → iPod → USB → CAMERA  
The selected playing mode will be displayed on the screen.

**5. PWR/VOL**

- Press the PWR/VOL-rotary knob to turn on the unit.
- Press and hold the PWR/VOL-rotary knob to turn off the unit.
- Use the PWR/VOL-rotary knob to adjust the volume.
- Press the PWR/VOL-rotary knob to mute the audio output and press the button again, to go back to the last volume level.

**6. Receiver for IR-Remote Control****7. RESET**

- Press the RESET-Button to perform a hardware reset.

**8. SMART DIAL**

- Turn the SMART DIAL rotary knob to choose a preset station or a track etc., which is stored on a media. Press the SMART DIAL rotary knob to confirm your selection.

- Press the SMART DIAL rotary knob in the DVD mode to pause the playback and press it again to restart the playback.
- Press and hold the SMART DIAL rotary knob to enter the audio control menu.

**9. BT**

- BT-Button to enter Bluetooth mode.
- Press the BT-Button in Bluetooth mode to change between the Bluetooth mode and the last playing mode.

**10. PIC**

- Press the PIC-Button to enter the video setup.
- Press and hold the PIC-Button to directly access the BCS menu.

**11. NAVI**

- Press the NAV-Button to enter the navigation mode. The audio output of the last playing mode will be played back.
- Press the NAV-Button in navigation mode to change between the navigation mode and the last playing mode.

**12. EJECT**

- Press the EJECT-Button to draw-in or eject a disc.

**13. Disc indicator**

- Disc inside: orange.
- No disc inside: white.
- During updating: Flashes intermittently white/orange

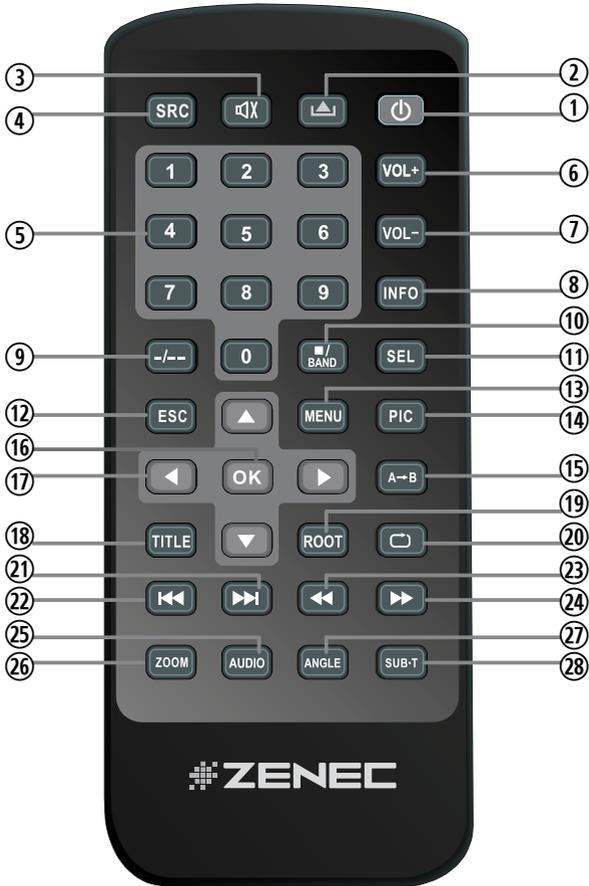
**14. DVD/CD slot**

- Insert a disc with the label on the top side into the DVD/CD slot until it will be drawn-in automatically.

**15. Internal microphone for Bluetooth mode**

# REMOTE CONTROL BUTTONS

## FRONT REMOTE CONTROL



**1. POWER**

- Press the POWER/MUTE-Button to turn on the unit.

**2. EJECT**

- Press the EJECT-Button to insert or eject a disc.

**3. MUTE**

- Press the MUTE-Button to mute the audio output.

**4. SRC**

- Press the SRC-Button to change between the following playing modes:  
RADIO → Disc → NAVI → AV IN → DVBT → SD CARD → iPod → USB → CAMERA

The selected playing mode will be displayed on the screen.

**5. NUMERIC KEYPAD**

- Directly access to track/chapter or preset station.

**6. VOL UP**

- Increase the volume.

**7. VOL DOWN**

- Decrease the volume.

**8. INFO**

- Display the available disc information.

**9. GOTO SEARCH**

- Position search function for CD/DVD mode.

**10. STOP/BAND**

- Change in radio mode between the following radio bands: FM-1, FM-2, FM-3, AM-1, AM-2
- Stop playback in other playing modes.

**11. SELECT**

- Enter the equalizer menu.

**12. ESC**

Leave menus and input dialogs.

**13. MAIN MENU**

- Enter the main menu.

**14. PIC**

Brightness adjustment

**15. REPEAT A->B**

- Set start point A and end point B to repeat continually.

**16. OK**

- Start or pause the playback.
- Confirm the selected adjustment.

**17. DIRECTION BUTTONS**

- Up/Down/Left/Right to select an item to adjust.

**18. TITLE**

- Enter the title menu of the DVD.

**19. ROOT**

- Enter the main menu of the DVD.
- Turn on PBC while playing VCD.

**20. REPEAT**

- Press the REPEAT-Button to repeat the track/folder/chapter/disc playback.

**21. NEXT**

- Press the NEXT-Button to choose the next track/chapter.
- Press the NEXT-Button in radio mode to auto search up.

**22. PREVIOUS**

- Press the PREVIOUS-Button to choose the previous track/chapter.
- Press the PREVIOUS-Button in radio mode to auto search down.

**23. FAST REVERSE**

- Fast reverse the disc content ("2X", "4X", "8X", "16X"). Radio: Decrease frequency stepwise.

**24. FAST FORWARD**

- Fast forward the disc content (2X", "4X", "8X", "16X"). Radio: Increase frequency stepwise.

**25. AUDIO**

- Change the audio language for DVD playback (if available).

**26. ZOOM**

- Zooming in/out an image ("+1", "+2", "+3", "OFF")

**27. ANGLE**

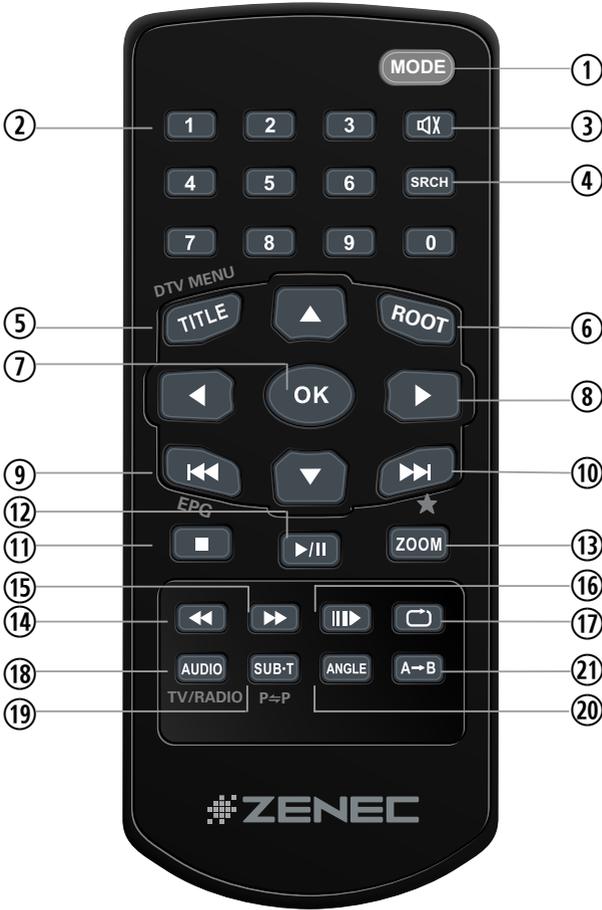
- Change between different angles for a scene (if available).

**28. SUB-T**

- Language selection for DVD subtitle (if available).

# REMOTE CONTROL BUTTONS

## REAR REMOTE CONTROL (AFFECTS M-ZONE EXCLUSIVELY )



**1. MODE**

- After you have activated M-Zone in the main menu, press the MODE button to choose the playing mode for the rear zone.

**2. NUMERIC KEYPAD**

- Search function. Use Onscreen-Key-board to specify target.

**3. MUTE**

- Press the MUTE-Button to mute the audio output.

**4. GOTO SEARCH**

- Position search function for CD/DVD mode.

**5. TITLE**

- Enter the title menu of the DVD.
- Scan function for CD mode. Each track will be played back for 10 seconds.

**6. ROOT**

- Enter the main menu of the DVD.
- Turn on PBC while playing VCD.

**7. OK**

- Start or pause the playback.
- Confirm the selected adjustment.

**8. DIRECTION BUTTONS**

- Up/Down/Left/Right to select an item to adjust.

**9. PREVIOUS**

- Press the PREVIOUS-Button to choose the previous track/chapter.

**10. NEXT**

- Press the NEXT-Button to choose the next track/chapter.

**11. STOP**

- Stop playback.

**12. PLAY/PAUSE**

- Start or pause the playback.

**13. ZOOM**

- Zooming in/out an image ("+1", "+2", "+3", "OFF").

**14. FAST REVERSE**

- Fast reverse the disc content ("2X", "4X", "8X", "16X").

**15. FAST FORWARD**

- Fast forward the disc content ("2X", "4X", "8X", "16X").

**16. SLOWER PLAY**

- Activate the slow-motion function.

**17. REPEAT**

- Press the REPEAT-Button to repeat the track/folder/chapter/disc playback. Press PLAY to deactivate.

**18. AUDIO**

- Change the audio language for DVD playback (if available).

**19. SUB-T**

- Language selection for DVD subtitle (if available).

**20. ANGLE**

- Change between different angles for a scene (if available).

**21. REPEAT A -> B**

- Set start point A and end point B to repeat continually.

## BASIC OPERATION

### POWER ON/OFF

- Press the PWR/VOL rotary knob on the front panel to turn on the unit. Press and hold the rotary knob for 2 seconds to turn it off.
- It's also possible to power the unit together with the ignition, but this depends on the last state, before the unit was turned off.

### SELECT A PLAYING SOURCE

- After you have turned on the unit, touch the icon with the current playing mode in the upper left corner of the screen to go back to the main menu.
- After entering the main menu, you have access to each playing mode and setting.
- Touch the arrow to choose between the two pages of the main menu.



### ⚠ NOTE:

- If a medium is not inserted or the external unit is not connected, the respective icon is greyed out.

### REAR VIEW CAMERA

- The rear view camera mode will be activated automatically, if a camera is connected to the camera input and you shift to reverse gear.

### M-ZONE

- If you have installed monitors for example to the headrests of your car and they are connected to the M-Zone A/V outputs of the unit, the passenger can operate the unit with the rear remote control. To choose a playing mode directly (only DVB-T and DVD) at the unit, touch the M-Zone icon in the main menu. The playing mode DVD is not available, if you have selected the playing mode SD card or USB for the front zone. The volume of the M-Zone components can only be altered using the volume adjustment of an external unit (e.g. IR headphones).

## MUTE FUNCTION

- Manually: Press the PWR/VOL rotary knob on the front panel to mute the audio output. Press the knob again to deactivate the mute function.
- Automatically: During a phone call, the audio output will be muted.

## AUDIO CONTROL MENU

- The audio control menu allows you to adjust your audio system to meet your requirements and the acoustical characteristics of the vehicle. The menu item "SW" is only relevant, if you have a subwoofer connected to the respective sub pre-out of the unit.
- Press and hold the SMART DIAL rotary knob to enter the audio control menu.
- Touch the icon with the current playing mode in the upper left corner of the screen to leave the menu.
- After 15 seconds of idling, the audio menu returns to the current audio source.



### NOTE:

- Bass and treble settings are only adjustable in "User"-mode.

## VIDEO PLAYBACK DISABLED

- The video playback on the display of the unit will be disabled when the car is in motion and exceeds a speed of 3 km/h. For safety reasons use it exclusively during standstill with the handbrake engaged.
- The rear camera mode and the M-Zone remain unaffected.

## SYSTEM RESET

- If the unit does not work correctly, you should first try to reset it by pressing the RESET-Button on the bottom-right corner of the front panel. The last adjustments will always be saved.

## SETUP MENU AND SETTINGS

### SETUP MENU



- Touch the [  ]-icon in the main menu to enter the setup menu.
- Touch the desired menu item directly on the display to open the submenu and to change the selected adjustment.
- The icons [  ] and [  ] indicate that there are more options available on the next page of the setup menu.
- Touch the "SETUP" icon in the upper right corner to exit the setup menu.
- After 15 seconds of idling, the audio menu returns you automatically to the current audio source.

## GENERAL

Settings	Options	Function
Clock	(HH:MM)	Adjusts the clock appearing in the top right corner of the TFT screen.
AM/PM	AM	Choose AM or PM mode (only for 12 Hr mode).
	PM	
Clock Mode	12Hr	Clock displays 12 hour time using AM and PM.
	24Hr	Clock displays 24 hour time up to 23:59.
Beep	On	Select to toggle the beeper function.
	Off	
Camera Switch	Off	Deactivate or activate the camera input
	Camera	
Camera Image	Normal	The output of camera image is in normal mode.
	Mirror	The output of camera image is in inverted mode.
Bluetooth	On	Select to activate/deactivate the Bluetooth function.
	Off	
Radio Field	USA	Choose your country or region for best radio reception.
	LATIN	
	EUROPE	
CAN Brightness	-10	Couple or decouple the display brightness from the carlights.
	+10	
CAN Backlight	-10	Adjusts the brightness, when the car lights are on.
	+10	
OBC (On Board Computer)	Yes	Set to "YES" if On Board Computer is installed. Serves to adapt the steering wheel remote controls.
	No	
BCS Menu		To adjust the On Board Computer System. Functional replacement for the OE control elements.
Version		Current software version.
DivX Registration		Displays the DivX registration code.

## VIDEO

Settings	Options	Function
TV Shape	cinema	Widescreen picture scaling (16:9).
	normal	Normal picture scaling (4:3).
Aux IN	Auto	The video output is switched automatically based on the current disc.
	PAL	Video output in standard PAL format.
	NTSC	Video output in NTSC format.
Brightness	-10 to +10	Adjusts the brightness of the screen.
Monitor Off		Turns the monitor off.

## ASP (AUDIO SIGNAL PROCESSING) SETUP MENU

- The ASP configuration menu allows you to make some finer audio adjustments.



Settings	Options	Function
Bass Freq	60 Hz	Select the bass center frequency to achieve the best bass effect.
	80 Hz	
	100 Hz	
	200 Hz	
Treble Freq	10 kHz	Select the treble center frequency to achieve the best treble effect.
	12.5 kHz	
	15 kHz	
	17.5 kHz	
Sub Filter	80 Hz	Selecting a crossover frequency sets a cut-off frequency of the subwoofer's LPF (low-pass filter) and the speaker's HPF (high-pass filter).
	120 Hz	
	160 Hz	
Bass Q-Factor	1.0	When the bass center frequency is selected, adjusting the bass Q-factor alters the perceived "weight" of the bass output.
	1.25	
	1.5	
	2.0	

Settings	Options	Function
Down Mix	Down Mix	2-channel stereo mode.
	Full 6 CH	6-channel mode.
Front Speakers	Large	Recommended for speakers > 5.25".
	Small	Recommended for speakers < 5.25".
Center Speakers	Large	Recommended for speakers > 5.25".
	Small	Recommended for speakers < 5.25".
	None	No speaker present.
Surr Speakers	Large	Recommended for speakers > 5.25".
	Small	Recommended for speakers < 5.25".
	None	No speaker present.
Sub Woofer	None	No speaker present.
	Present	Existing and connected.
Center Delay	No Delay	Deactivates time alignment.
	0.3 m	Delay of the center speaker to the front speakers is 0.3 m.
	0.6 m	Delay of the center speaker to the front speakers is 0.6 m.
	1.0 m	Delay of the center speaker to the front speakers is 1 m.
Down Sampling	Off	Normal audio playback.
	On	Audio playback in 48 kHz.
Surr Delay	No Delay	Deactivate time alignment.
	1 m	Delay of the surround speaker to the front speakers is 1 m.
	2 m	Delay of the surround speaker to the front speakers is 2 m.
	3 m	Delay of the surround speaker to the front speakers is 3 m.
	4 m	Delay of the surround speaker to the front speakers is 4 m.
	5.1 m	Delay of the surround speaker to the front speakers is 5.1 m.
Playing mode (iPod, radio, etc.)	-7 to +7	Loudness adjustment for the different playing modes.

#### NOTES:

- Choose "Large", if you want to use your speaker system in full range mode.
- Choose "Small", if you want to use your speaker system in high pass mode. The high pass mode is activated automatically, if you select "Small". The high pass frequency is identical with the subwoofer's low pass frequency.

## LANGUAGES

Settings	Function
DVD Menu	Select language for the DVD menu.
Subtitle	Select language for the subtitle.
Audio	Select language for the soundtrack.
OSD	Select language for the OSD menu.

## VOLUME

Settings	Options	Function
Start Volume	Adjusts	The unit starts with the volume, which was adjusted with the menu item "start vol adjust".
	Last	The unit starts with the volume, which was adjusted before it was turned off.
Start Vol Adjust	0 to 10	Adjusts the start volume, when the start volume is enabled.
TA Volume	0 to 10	Adjust the volume of the TA function (traffic announcement).
Volume Bar	Off	Displays the volume bar while adjusting the volume.
	On	
OE Sound System	No	Set to "YES" if OE Sound System is present. Avoids distortions due to excessive input levels.
	Yes	

## MISC SETUP MENU



Settings	Options	Function
TS Calibrate	No	Touch "Yes" to enter the touch screen calibration mode. Then follow instructions on the screen.
	Yes	
Set Password	Locked	Enter your password to unlock the parental lock.
Parental control	1. Kid Safe	Kid safe: A movie rating that is appropriate for children.
	2. G	G: A movie rating that allows admission to persons of all ages.
	3. PG	PG: A movie rating that allows admission of persons of all ages but suggests parental guidance in the case of children.
	4. PG-13	PG-13: A movie rating that allows admission of persons of all ages but suggests parental guidance in the case of children under the age of 13.
	5. PG-R	PG-R: PG-related.
	6. R	R: A movie rating that allows admission only to persons of a certain age, usually 17, unless accompanied by a parent or guardian.
	7. NC-17	NC-17: A movie rating that allows admission to no one under the age of 17.
	8. ADULT	Adult: A movie rating that is appropriate for adults only.
Anti CODE	Locked	Enter the code for the anti-theft function.
Anti Theft SW	On	Deactivate or activate the anti-theft function.
	Off	
Load Factory	No	Restore the factory default settings.
	Yes	
Software Update	No	Touch "Yes" to update the operating software of the unit.
	Yes	
Navi Update	No	Touch "Yes" to update the navigation software of the unit.
	Yes	
CAN-bus Update	No	Touch "Yes" to update the CAN-bus software of the unit.
	Yes	

**⚠ NOTE:**

- The DVD system has a built-in parental lock feature to prevent unauthorized persons from viewing restricted disc content. By default, the parental control system is unlocked. Once setup, the parental lock is released only by entering the correct password. Once the password is entered, parental control is available.

## ANTI-THEFT CODE



- To secure the unit from theft and later use, it's possible to enter a four-digit anti-theft code. If the anti-theft code is activated and the unit will be disconnected from the power supply and reconnected again, it's necessary to enter the anti-theft code to start up the unit. Otherwise it's not possible to restart it.

### NOTE:

- The delivery status for the input of the anti-theft code is deactivated, so it's not necessary to enter the anti-theft code, when the unit was disconnected from the power supply.
1. Touch the anti-theft icon and activate the anti-theft function.



2. Touch the anti-theft code icon and use the keypad, which appears on the screen, to enter the four-digit anti-theft code and confirm your input by entering the same code a second time.

### NOTE:

- The delivery status of the anti-theft code, with the freshly unpacked unit is deactivated and you must activate it manually.
- Please write down the anti-theft code and keep it stored in a safe place. If the anti-theft code is falsely entered three times, it's necessary to enter the super code to unlock the unit again. To unlock the unit with the super code, it's inevitable to send it back to an authorized ZENEC-dealer. This service is not free of charge.
- If you want to change or deactivate the anti-theft code, you must enter a valid code first.

## INSTALLATION OF SOFTWARE UPDATES



### **⚠ NOTE:**

- We recommend, you occasionally check for updates on [www.zenec.com](http://www.zenec.com). We will provide you with downloads at irregular intervals. Always proceed according to the accompanying update guide.

## BCS-MENU

- 1 **Settings:** Opel/Vauxhall System Setup.
- 2 **BC:** Consumption and range.
- 3 **Main:** Return to standard display.



In order to enter the BCS-Menu press and hold the PIC-Button.

Please refer to the car manual for detailed function explanation. The on-screen arrows have the same function as the respective keys of the OE radio. They are used to navigate the menu. The centered OK button acknowledges the choice.

### Alternative operation:

Depending on the function of the OE radio, it might occur that the up and left arrows as well as the down and right arrows have an identical function. If the predecessor of the E>Go was a CDC40, CD70/Navi or DVD90/Navi: Functions of arrowkeys in the BCS-menu of the 5010 are rotated 90 degrees counterclockwise. You also need to keep the OK key pressed for at least one second to be able to trigger a function. After installation of the E>GO audio-adjustments cannot be performed via the OE board computer anymore. Use the E>GO audio setup menu instead.

RADIO MODE



1. Current mode of unit. Touch to open the main menu.
2. Displays the signal strength.
3. The TP button lights up orange when the radio station provides traffic announcements.
4. The TA button lights up orange when a traffic announcement is transmitted.
5. Bluetooth indicator.
6. Current time indicator.
7. When AF and Region are activated, auto tuning to those stations within the region is assigned. When AF is activated and region is deactivated, auto tuning attempts to find stations without any region boundary.
8. Touch to tune backwards one step.
9. Touch to activate/deactivate the AF function. When AF is activated and a radio signal is too weak, the tuner automatically switches to the best available frequency.
10. Touch on the screen to automatically scan all stations of the current band to preview stations. Press any button to stop scanning and listen to the selected station.
11. Touch to activate/deactivate the AF function. When TA is activated, the unit will auto seek an available TP or TA station. When TA is activated and a traffic announcement is received, the current playing source is overridden by the traffic announcement automatically, if the tuner was last set to the FM band but not, if it was last set to the AM band. When traffic announcement is over, the current playing source will be resumed.
12. Touch to tune forward one step.
13. Touch to enter the PTY menu, then touch to select a choice in the PTY menu. The unit will auto seek the next available PTY by increasing tuning frequency until the program type matches the PTY, if no match is found, the tuner will return to original radio and "None" is displayed.
14. Touch to seek forward.
15. Touch to switch between the two submenus.
16. Touch to turn to previous page.
17. Touch to mute.
18. Touch to turn to next page.
19. Current radio band, preset station playing back and radio frequency indicator.
20. Touch to seek backwards.
21. Preset radio stations: Touch to recall preset stations or touch and hold to store a station, (total 6 stations for each band).
22. Displays whether LOC or DX mode is active.
23. Displays whether mono or stereo sound is playing. The unit automatically switches between mono and stereo, depending on the reception quality of the radio station.
24. Touch to switch between the two submenus.
25. Touch to change among the following bands: FM-1, FM-2, FM-3, AM-1, AM-2.
26. Touch to automatically scan and store the strongest six stations of the selected radio band. Stations names will automatically be displayed if AF is activated.
27. Scan the six preset channels of the current band.
28. Switch to choose between LOC and DX tuner searching mode.
29. Current radio band, preset station playing back and radio frequency indicator.

**⚠ NOTE:**

- This product features a tuner with RDS function. RDS (Radio Data System) is a system that transmits broadcast station information together with FM programs. RDS service is not available in AM broadcasting. RDS service availability depends on the FM broadcasting provider.
- To use the RDS features, the AF function needs to be enabled. Please make sure to activate the AF function if you want to use RDS.

## CD/DVD MODE



■ Touch the lower section of the screen to display these icons. If no operation has been entered for 10 seconds, these icons will be automatically hidden.

1. Touch to repeat from A to B. Select the repeat point A whenever you want to start and the point B whenever you want to end. The playback will now be looped from A to B.
2. Touch to repeat playback of title/folder/chapter/disc.
3. Touch to choose a language, if the disc is recorded in multiple languages.
4. Touch to display subtitle.
5. Touch to fast reverse. Keep touching and releasing the button to increase the rate from "2X" to "4X", "8X", and "16X".
6. Touch to play/pause.
7. Touch to fast forward. Keep touching and releasing the button to increase the rate from "2X" to "4X", "8X", and "16X".
8. Touch to stop playback.
9. Touch to return to DVD main menu.

■ Use the touch key areas outlined below.

**Area A:** ■ Touch to return to main menu.

**Area B:** ■ Touch to display playing information.

**Area C:** ■ Touch to select the previous chapter.

**Area D:** ■ Touch to select the next chapter.

**Area E:** ■ Touch to display the on-screen controls. Different mode displays different menus.

**Area F:** ■ Touch to display the GOTO search menu directly on screen.

### ⚠ NOTES:

- If the parental lock is activated, you need to enter the code to playback the DVD disc.
- The DVD video cannot be displayed on the screen, if the vehicle speed exceeds 3 km/h.

## CD/MP3/WMA MODE



1. Current mode indicator. Touch to open the main menu.
2. Display of disc folders and titles.
3. Current time indicator.
4. Touch to repeat track/folder/disc.
5. Touch to display the numeric keypad on the screen. Use the numeric keypad to directly access a track.
6. Touch to activate/deactivate the random mode.
7. Touch to play previous track.
8. Touch to play/pause.
9. Touch to play next track.
10. Touch to stop playback.
11. Touch to return to the previous page.
12. Touch to mute.
13. Touch to turn to the next page.
14. Display track title.
15. Elapsed playing time and total time of the track.
16. Touch to navigate through the directories/folders.
17. Open/close submenu.

## SD-CARD MODE

- Insert the SD or SDHC card (up to 8 GB) into the SD-card slot and enter the SD card mode.



### ⚠ NOTE:

- The interface and the operation of SD card mode is similar to CD/MP3/WMA mode.
- Depending on the folder structure and the content, the number of available folders is limited.
- Please note that the speed of the operation depends on the memory size and speed of the SD or SDHC card as well as on the amount of the stored data.

## USB MODE

- Insert the USB stick into the USB slot and enter USB mode.



### ⚠ NOTE:

- The interface and the operation of USB mode is similar to the CD/MP3/WMA mode.
- Depending on the folder structure and the content, the number of the available folders is limited.
- Please pay attention that the operation is depending on the memory of the USB device and stored data volume.
- The USB device must be compatible with FAT32 and the max. current for the connected USB device must stay below 400 mA. Otherwise it's not supported or might even damage the unit.

## iPOD MODE



■ Connect the iPod with the optional iPod cable ZE-NC-IPS to the USB port and choose the iPod playback mode. The iPod displays a message that the device is connected and you may safely disconnect. You may as well safely continue.

1. Current mode indicator. Touch to open the main menu.
2. Display of iPod folders and title.
3. Current time indicator.
4. Touch to repeat track/folder.
5. Touch to display the numeric keypad on the screen. Use the numeric keypad to access a track directly.
6. Touch to scan each file in the current folder for 10 seconds.
7. Touch to play previous track.
8. Touch to show the available video folder of the iPod. Touch it again to show the music folder.
9. Touch to play/pause.
10. Touch to play next track.
11. Touch to stop disc playback.
12. Touch to return to the previous page.
13. Touch to mute the volume.
14. Touch to turn to the next page.
15. Display track title.
16. Elapsed playing time and total time of the track.
17. Touch to activate/deactivate the random mode.
18. Touch to navigate through the directories/folders.
19. Open/close submenu.

**NOTE:**

■ Please visit [www.zenec.com](http://www.zenec.com) for the latest iPod software updates and compatibility lists.

## BLUETOOTH MODE

### BLUETOOTH OPERATION



1. Current playing source: Bluetooth. Touch to go back to the main menu.
2. Bluetooth icon.
3. Open the dialling function.
4. Open phone book.
5. Open call log.
6. Open the A2DP mode.
7. Open the pairing function.
8. Voice transfer back from the unit to the mobile phone.
9. Display the signal strength of the paired mobile phone.
10. Open Bluetooth setup.
11. Accept resp. start a phone call.
12. Hang up/ Stop a phone call.
13. Delete your number input.

#### **⚠ NOTE:**

- It's possible to independently set the volume of the Bluetooth mode with the PWR/VOL rotary knob during a call. The adjusted volume will be saved.

### THE BLUETOOTH ICON

- If Bluetooth is activated in the setup, there is a Bluetooth icon on top of the screen [  ].
- The Bluetooth icon is gray, if Bluetooth is activated, but no mobile phone is connected.
- The Bluetooth icon is blue, if Bluetooth is activated and a mobile phone is connected.

#### **⚠ NOTE:**

- If no Bluetooth icon is visible, the Bluetooth function is deactivated in the setup menu.

## PHONE BOOK



- After the mobile phone is paired with the unit, the synchronisation of the phone book will start automatically. All entries will be transferred from the mobile phone to the unit. Set "Auto Connect" at the unit and your mobile phone to "On".

## SEARCH FUNCTION FOR PHONE BOOK ENTRIES



- Touch the [🔍]-icon to open the keypad. Enter a letter to search for the initial letter of the family name. The entries with the respective initial letter will be displayed.

### ⚠ NOTE:

- The function and the sorting of the entries depend on the mobile phone.  
A list of compatible mobile phones and their supported functions is available at [www.zenec.com](http://www.zenec.com).

## CALL LOG



- Display the dialled, received and missed calls.

## A2DP FUNCTION



- Start the playback on the unit. The music player of the mobile phone will be automatically activated and you may operate and control the music player of your mobile phone with the unit.

## PAIRING



- You have two possibilities to pair a mobile phone with the unit. Please pay attention that the Bluetooth mode of the unit must be activated in the setup menu.
  1. Searching for nearby phones.
  2. Pairing of your mobile phone.

## 1. Searching for nearby phones



1. Activate the Bluetooth mode on the mobile phone and check, if it allows to be detected by other devices resp. if the function to search for Bluetooth devices is activated.
2. Touch the Add icon to open the search menu and to start the search run.
3. After a mobile phone has been found, the name of the mobile phone appears on-screen.
4. Choose the mobile phone on the unit, touch the connect icon and enter the PIN code, which is (delivery status) **1234**.  
Depending on the mobile phone and the settings, it's also required to enter the PIN code on the mobile phone a second time.
5. After pairing between the unit and the mobile phone has been established, it might be necessary, depending on the mobile phone, to acknowledge it to complete the procedure.

## 2. Pairing from your mobile phone

1. Activate the Bluetooth mode on the mobile phone.
2. Open the Bluetooth mode of the unit.
3. Start the search for Bluetooth units on the mobile phone.
4. After the unit is found by the mobile phone and a Bluetooth connection was established, the unit will appear with the description ZE-NC5010 on the mobile phone.
5. Choose ZE-NC5010 on the mobile phone and enter the PIN code, which defaults to **1234**.
6. After pairing between the unit and the mobile phone has been established, it might be necessary depending on the mobile phone, to acknowledge it to complete the procedure.

## SETUP



### AUTO CONNECT

- Automatically connect to a paired mobile phone.

### PIN CODE

- Change the pairing code (**default setting is 1234**).

### MICROPHONE

- Choose between internal or external microphone.

### MIC-GAIN

- Adjustment of microphone sensitivity.

### VERSION

- Display the current Bluetooth software version of the unit.

### NOTE:

- There will be new Bluetooth software updates available at irregular intervals on [www.zenec.com](http://www.zenec.com). Please follow the instruction manual of the software update to install it.

## ENTER A VOICE TAG

- The user can record voice tags for up to 200 phone numbers, i.e. it's possible to start a phone call with a pre-recorded voice tag.

1. Choose an entry from the phone book.



2. Start to record a voice tag and follow the on-screen instructions to finish the procedure. Entries with voice tags are indicated with a [voice tag]-icon. If the voice recording does not meet your requirements: Choose the entry and delete the voice tag.



3. To start a call using a voice tag: Touch the [📞]-icon two times and wait with the speech input until an acoustic beep signal is audible. If the speech input meets the recorded voice tag, the unit starts to dial the phone number of the entry.

**⚠ NOTES:**

- Bluetooth connection works within a range of 8m. Obstacles in the way may shorten the distance.
- It cannot be guaranteed, that all mobile phones can be paired and that all functions will work.
- The synchronisation, the transferring, the sorting as well as the display of the phone book entries depend on the mobile phones brand and model. If the synchronisation doesn't work properly, disconnect the phone and repeat the pairing process.
- A list with compatible mobile phones and functions is available at [www.zenec.com](http://www.zenec.com).
- It's possible to pair up to five mobile phones with the unit.
- It's possible to synchronise and handle up to a thousand phone book entries.
- If automatic phone book synchronisation does not work, consult the manual of your mobile phone. Some phones require explicit activation of this function.
- We will provide you, at irregular intervals, with software updates on [www.zenec.com](http://www.zenec.com).

## NAVIGATION MODE

- Read the separate navigation software manual for more detailed instructions.
- You will be able to playback an audio source even when you navigate. The volume of your audio source will be automatically lowered for the navigational voice output.
- It's possible to adjust the volume of the navigation voice with the PWR/VOL rotary knob during output. The adjusted volume will be saved.
- The unit has a splitscreen mode, which can be used in the following playing modes: Tuner, USB (audio), iPod (audio) and SD card (audio).



1. Once you have started a route guidance in the navigation mode you can change to an audio source that is supported by the splitscreen mode, by touching the [  ]-icon to activate it.
2. Touch the field with the arrow display to exit this mode.

## EXTERNAL PLAYING SOURCES

### DVB-T MODE

For operation of the optional DVB-T tuner touch the respective DVB-T icon on the main menu screen. For further instructions read the separate DVB-T tuner manual.

#### NOTE:

- If you are using a compatible ZENEC DVB-T tuner, you may operate it using the touch-screen of the unit. Please visit [www.zenec.com](http://www.zenec.com) for compatible DVB-T tuner model(s).

### AV MODE

If you have connected an external device to the unit and want to use it, touch the AV-IN icon in the main menu. Please read the manual of the external device.

### CAMERA MODE

1. If you have connected a rear view camera to the unit and want to use it, touch the CAMERA icon in the main menu.
2. Please read the manual of the rear view camera.

## CAN BUS INTERFACE

### **CAN-BUS**

CAN is an acronym for Controller Area Network. It is a vehicle specific Standard-Bus-Protocol of the car industry. Due to that protocol, the functions of the steering wheel built-in remote, as well as other vehicle functions, can be accessed and used. Simply connect the CAN-Bus interface option according to the included wiring-diagram. However, we cannot guarantee that each and every used function will work, as a lot of vehicles use a lot of different functions for their remote keys. You can find the supported functions on our website [www.zenec.com](http://www.zenec.com).

## GENERAL INFORMATION

### ABOUT DIVX

**ABOUT DIVX VIDEO:** DivX® is a digital video format created by DivX, Inc. This is an official DivX certified device that plays DivX video. Visit [www.divx.com](http://www.divx.com) for more information and software tools to convert your files into DivX video. **ABOUT DIVX VIDEO-ON-DEMAND:** This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD section in the device setup menu. Go to [www.vod.divx.com](http://www.vod.divx.com) with this code to complete the registration process and learn more about DivX VOD.

### BASIC KNOWLEDGE OF DISC

#### Region Code:

According to DVD sale region, the whole world is divided into six regions. A DVD disc can be played back only when the DVD region number is the same with the DVD disc.

Region 1: USA, Canada, East Pacific Ocean Islands

Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East

Region 3: Taiwan of China, Hong Kong of China, South Korea, Indonesia, South East Asia

Region 4: Australia, New Zealand, Mid & South America, South Pacific, Thailand, Ocean Islands/Oceania

Region 5: Russia, Mongolia, India, Middle Asia, East Europe, North Korea, North Africa, North West Asia

Region 6: China (Mainland)

#### Caution of disc using:

1. Do not use irregular shaped discs.
2. Use a dry, soft cloth to wipe the disc from center to edge. Only neutral detergents can be used.
3. New discs may have some rough spots around the inner and outer edges. If such a disc is used, remove these rough spots with a pencil or ball-point pen.

### MP3 COMPATIBILITY (MAX. 1500 MEDIA FILES, MAX. 200 FOLDERS)

Following formats are all compatible:

- ISO 9660 – Level file name: 12 characters, file extension: 3 characters
- ISO 9660 – Level file name: 31 characters, file extension: 3 characters
- Joliet – 64 characters
- ID3 tag 2.3

This unit is manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories.

## TROUBLESHOOTING

Problem	Cause	Solution
<b>GENEREL</b>		
Unit will not power on.	Radio fuse blown.	Install new fuse with correct rating.
	Car battery fuse blown.	Install new fuse with correct rating.
	Illegal operation.	Press the RESET button.
No/low audio output.	Improper audio output connection.	Check wiring and correct.
	Volume set too low.	Increase volume level.
	Speakers damaged.	Replace speakers.
	Only one channel is playing.	Check the balance and fader adjustments.
	Speaker wiring is in contact with metal part of car.	Insulate all speaker wiring connections or replace the speaker cable.
	Mute is activated.	Turn off the Mute function.
Poor sound quality or distortion.	Badly recorded disc is in use.	Use original disc.
	Speaker power rating not compatible with unit.	Connect proper speakers.
	Speaker is shorted.	Check speaker connections.
<b>TFT MONITOR</b>		
No image.	The parking brake is not engaged or the car is faster than 3 km/h.	Stop vehicle in a safe place and apply parking brake.
	CAN-Bus Interface is defective.	Replace the CAN-Bus interface.
	The "Monitor off"-function is activated.	Touch the monitor to activate the display.
Prolonged image or improper height/width ratio.	Improper aspect ratio setup.	Use correct aspect ratio setting.

<b>TUNER</b>			
Weak station searching.		Auto antenna not properly connected.	Connect the auto antenna cable properly.
		REG function is activated.	Turn REG function off.
		The antenna power cable is not connected.	Connect the antenna power cable properly.
		The AF function is not activated.	Activate the AF function.
<b>DVD-PLAYER</b>			
<i>Issue</i>	<i>Error message</i>	<i>Cause</i>	<i>Remedy</i>
Disc does not play back.	[Bad Disc]	Disc is warped or scratched.	Use disc in good condition.
	[Bad Disc]	Disc is dirty or wet.	Clean disc with soft cloth.
	[Unknown Disc]	Incompatible disc is used.	Use compatible disc.
	[Unknown Disc]	Disc rating exceeds parental lock rating limit.	Change parental lock settings to lower restriction.
	[Region Error]	Disc region code is not compatible with unit.	Use disc with proper region code.
	[Bad Disc]	Disc is inserted upside down.	Insert disc with label side up.
Cannot insert disc.		Disc already inside unit.	Eject current disc and insert new one.
<b>MP3</b>			
The ID3 tags are shown incorrectly		Message is longer than LCD can display or ID3 tag is not compatible.	Use proper ID3 tag information.

## SPECIFICATIONS

### Main Amplifier

Power Output: 20 watts x 4 channels into 4-ohms @ < 10% THD+N

Signal to Noise Ratio: 70dBa below reference. (Reference: 1 watt, 4-ohms)

MAX Power: 50 X 4 watts into 4-ohms, all channels driven

Frequency Response: 20Hz to 20 kHz, -3dB. Aux input used as source reference

Reference Supply Voltage: 14.4VDC

### DVD Player

Compatible formats: CD, CD-R/RW, MP3, WMA, DVD, DVD-R/RW, DVD+R/RW, DVD-MP3, AVI, DivX6, JPEG and Picture CD

Signal to Noise Ratio: 85dBa

Dynamic Range: >95dB

Frequency Response: 20Hz to 20 kHz, -3dB

Channel Separation: > 60dB @ 1kHz

D/A Converter(s): 6-channel high performance 24-bit, 192 kHz, multi-bit Sigma Delta modulation.

DAC supports sample rates from 8~192 kHz.

Region code: 2

### FM Tuner Section

Tuning Range: 87.5MHz - 108MHz

Mono Sensitivity (-30dB): 10dBu

Signal to Noise Ratio @ 1kHz: 58dB

Image Rejection: 60dB

Stereo Separation @ 1kHz: 30dB

Frequency Response: 30Hz - 15kHz, -3dB

### AM Tuner Section

Tuning Range: 522kHz - 1629kHz

Sensitivity (-20dB): 20dBu

Signal to Noise Ratio @ 1kHz: 50dB

Image Rejection: 60dB

Frequency Response: 50Hz - 2kHz, -3dB

### Monitor Section

Screen Size: 16,5 cm/6,5 inches (measured diagonally).

Screen Type: TFT Liquid Crystal Display (LCD)

Response Time: 30 ms

Resolution, CD/Composite Video in: 280'800 sub pixels,

1200 (W) x 234 (H)

### Viewing angle:

- 45~60 degrees left or right
- 20~30 degrees up
- 40~60 degrees down

### General

Auxiliary Input impedance: 10k

Power Supply: 10.5 to 16V DC, negative ground

Fuse: 10-amp, mini ATM type

DIN chassis dimensions: 178mm x 153mm x 100mm

**⚠ NOTE:** SPECIFICATIONS AND DESIGNS OF THIS MODEL ARE NECESSARILY SUBJECT TO CHANGES WITHOUT ANY NOTICE.

## WARRANTY 2 YEARS

Dear customer

Thank you for purchasing this ZENEC product. It is advisable to keep the original packaging material for any future transporting of the product. Should your ZENEC product require warranty service, please return it to the retailer from whom it was purchased or the distributor in your country. This ZENEC product is warranted against defective materials or workmanship for a period of TWO years from date of purchase at retail.

### WARRANTY LIMITATIONS

This warranty does not cover any damage due to:

1. Improper installation, incorrect audio or mains connection(s).
2. Exposure to excessive humidity, fluids, heat sun rays or excessive dirt or dust.
3. Accidents or abuse, unauthorized repair attempts and modifications not explicitly authorized by the manufacturer.

This warranty is limited to the repair or the replacement of the defective product at the manufacturer's option and does not include any other form of damage, whether incidental, consequential or otherwise. The warranty does not cover any transport costs or damages caused by transport or shipment of the product. Warranty work will not be carried out unless this warranty certificate is presented fully completed with model, serial number, purchaser's address, purchasing date and dealer stamp together with the original sales slip!

## 2 JAHRE GARANTIE

Sehr geehrter Kunde,

Vielen Dank, dass Sie sich zum Kauf dieses Produktes von ZENEC entschlossen haben. Wir bitten Sie, die Originalverpackung aufzuheben, z.B. für den Transport bei einem Garantiefall. Wenn Sie Garantie-Leistungen für dieses ZENEC Produkt beanspruchen, wenden Sie sich bitte direkt an den Händler, bei dem das Gerät gekauft wurde. Dieses ZENEC Produkt ist durch eine Werksgarantie von 2 Jahren ab Kaufdatum im Fachhandel gegen Material- oder Herstellungsfehler geschützt.

### GARANTIE-EINSCHRÄNKUNGEN

Nicht unter Garantie fallen Schäden infolge von:

1. unsachgemäßem Einbau oder inkorrektem Audio- oder Stromanschluss.
2. Einwirkung von übermäßiger Feuchtigkeit, Flüssigkeit, Hitze, Sonneneinstrahlung oder starker Verschmutzung.
3. mechanischer Beschädigung durch Unfall, Fall oder Stoss; Schäden durch nicht autorisierte Reparaturversuche und/oder Modifikationen.

Die Garantie dieses Produkts bleibt in jedem Fall auf die Reparatur bzw. den Ersatz (Entscheidung beim Hersteller) des ZENEC Produktes beschränkt. Transportschäden und die Kosten des Rücktransportes sind durch diese Garantie nicht abgedeckt. Jeder über diese Garantie-Erklärung hinausgehende Anspruch und Haftung für direkte/indirekte Folgeschäden werden ausdrücklich abgelehnt. Garantie-Ansprüche können nur mit einer korrekt und vollständig ausgefüllten Garantie-Karte und dem Original-Kaufbeleg geltend gemacht werden.

**ZENEC MODEL: ZE-NC5010**

Serial number: .....

Date of purchase: .....

Your name: .....

Your address: .....

City: .....

State: ..... ZIP or postal code: .....

Country: .....

Dealer's address &amp; stamp



- If at any time in the future you should need to dispose this product please note that waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)
- Sollten Sie dieses Gerät eines Tages entsorgen müssen, beachten Sie bitte dass elektrische Geräte nicht mit dem Haushaltsmüll entsorgt werden sollten. Führen Sie das Gerät wenn möglich dem Recycling zu. Ihre lokalen Behörden oder Ihr Händler können Sie dementsprechend informieren (Richtlinie über die Entsorgung elektrischer und elektronischer Ausstattungen).

