V1.1

OWNER'S MANUAL

CAR MEDIA SYSTEMS

VN1050-4G

SMART NAVICEIVER

MOBILE INTERNET READY

VISION ANDROID™ SERIES

INDEX

Always follow the instructions in this manual before using the device. Please keep this manual easily accessible in the vehicle for future reference.

Important Notes **3**
Safety Information **5**
1. Quick Start **6**
1.1 Function keys 8
1.2 Main menu 8
1.3 Status bar 9
1.4 Time and date settings 9
1.5 Language settings 9
2. Basic Settings **10**
2.1 Custom main menu 10
2.2 Wallpapers 10
2.3 Split screen 11
2.4 Steering wheel control 12
2.5 Navigation 12
2.6 FM/AM (analog radio) 13
2.7 DAB+ (digital radio) 14
2.8 File Manager 15
2.9 AUX 15
2.10 Bluetooth® phone 16
2.11 Bluetooth® audio streaming 19
2.12 Audio player 20
2.13 Video player 21
2.14 Camera 22
2.15 EQ (audio settings) 22
2.16 Internet connection via Wi-Fi 23
2.17 Internet connection via 4G/LTE 24
3. Updates **25**
3.1 MCU Update 25
3.2 System Update 25

IMPORTANT NOTES

DISCLAIMER

Dear customer,

The Android operating system is an open platform that allows you to personalize your device according to your wishes. You can download apps from the Google Play Store after registering and using them on your device.

The company Audio Design has no influence on the content or function of these apps. For this reason, we can not assume any liability for the functionality, operation or damage resulting from the download and / or use of apps. Audio Design can not provide service for the apps installed or installed on the device. Use is always at your own risk. If you have any questions, especially about content or how it works, please contact the developer of the app.

To ensure the safety of the driver, the occupants and other road users, it is essential that the driver always focuses on the traffic.

ATTENTION: Your ESX device has an internal memory with a limited capacity. By downloading apps, pictures and music you fill up this memory. When the memory is full, there is a possibility that apps may stop working or be of limited use. If so, you'll need to delete apps or content to restore the feature. You are responsible for the management of the store.

INTENDED USE OF THE DEVICE

This device is only suitable for use in a vehicle with an on-board voltage of 12 volts with negative ground. In the event of misuse, incorrect installation or modification, the operating license and the warranty become void.

DISPOSAL

If you have to dispose the device, please note that no electronic devices may be disposed in the household waste. Dispose the device in a suitable recycling facility in accordance with local waste regulations. If necessary, consult your local authority or your dealer.

DECLARATION OF CONFORMITY

CE

Distribution:
Audio Design Lautsprecher Vertriebs GmbH
Am Breilingsweg 3, DE-76709 Kronau/Germany

The Audio Design Lautsprecher Vertriebs GmbH hereby declares that the radio system type **VN1050-4G** complies with Directive **2014/53/EU**. The full text of the EU declaration of conformity is available at the following Internet address: **www.esxnavi.de/ce**

IMPORTANT NOTES

LEGAL NOTICE

- ESX or Audio Design GmbH are in no way affiliated with the car manufacturer or any of its subsidiaries or affiliated companies connected to, or is acting on its behalf or with its authorization.
- All registered product names, trade marks and brands are the property of their respective owners.
- This owner‘s manual was made with the utmost care.
- Technical changes and errors reserved.
- Due to the ongoing development of this device, it is possible that the information in this manual is incomplete or is not matching to the delivery status.
- Due to further developments on the part of the automobile manufacturers, it is possible that some functions are not supported that were not available when this device was developed.
- Please visit periodically **www.esxnavi.de** on the internet, to check if additional information and updates are available.

CUSTOMER SERVICE

In general, the assembly and installation of the device should be made by a trained and technically skilled specialists.

If you have any problems with operating the device, contact your specialist dealer or the Audio Design Service Department under **Tel. +49 7253 - 94 65 95** or by E-Mail to **navi@esxaudio.de**.

CARE & MAINTENANCE

This device is equipped with high precision and sensitive technique and should always be treated with caution. Please note the following tips to avoid endangering the warranty and extend the life of the appliance.

- Children under 12 should not operate the device. Keep the device and all accessories away from small children.
- Keep the device and its components dry. The effects of water, liquid or moisture can cause damage to the vehicle, the device itself or injury.
- Keep the device and its components away from excessive heat. High temperatures may shorten the life of appliance of the electrical components.
- Keep the device and its components away from excessive cold. Extreme temperature changes and moisture inside the device may cause the breaking of certain components. Do not to drop the device and avoid violent shocks or excessive shaking.
- Do not use strong chemical cleaners, solvents or water to clean the device. Use a slightly moistened cotton cloth with soft surface.
- Replace a blown fuse only with a new one with the same values. However, before you replace a defective fuse, check at first what is the cause of the short circuit. Start with the power supply cable. If the fuse blows again, a malfunction consists inside the device. In this case you should contact your authorized dealer.

- Note any time the traffic regulations of the country in which the device is operated.
- Please ensure, that with the engine turned off the vehicle‘s battery does not discharge fully. The device is another electrical consumer which must be operated with the engine running, other-wise the vehicle‘s battery will be discharged and the vehicle can not be started.
- Set the volume of the device only as loud, that you are still be able to hear warning signals (e.g. police sirens) and traffic noise inside the vehicle.
- Operate the device as driver only if it‘s absolutely necessary and in the driving safety is not compromised. The same stands for looking at the screen. If necessary, better park your vehicle at a safe and appropriate location.
- The traffic rules of the EU prohibit to view moving pictures or movies while driving, if the screen of the device is installed within sight of the driver, as he may be distracted. View the screen as driver only for the navigation function, and then only briefly that you will not be distracted. Note at any time the local traffic regulations. In an accident, regress claims could be made by the car insurance company.
- This device is not a substitute for your personal judgment or perception. All suggested routes from the navigation system should never be taken as a reason to disregard the local traffic rules. Your personal assessment of traffic or your knowledge of safe driving practices is paramount. Always match your driving with the current traffic situation.
- Do not follow the suggested routes, if the navigation system instructs you to take an unsafe or illegal way, puts you in an unsafe situation, or directs you into an area which you consider unsafe.
- If problems occur while driving, park the vehicle in a safe and appropriate place to continue before you operate.
- Please use only the included original accessories. Ensure a sufficient mounting of the device by using the included installation accessories, as in the event of an accident enormous accelerations may occur. Poorly installed devices and equipment in accidents could represent a severe risk to the driver and the other passengers of the vehicle.
- Note under all circumstances the regulations and advice of the vehicle manufacturer and do not make any modifications to the vehicle, which could interfere with safe driving. Please treat all parts of the device and the components of your vehicle always with caution.
- Please avoid short circuits and make sure that no metal objects can get inside the device. Also make sure that all connections are properly connected and avoid the interchanging of the polarity of all connections. Complete the installation only while the ignition is turned off.
- In the event of a defect or malfunction, do not attempt to repair it by yourself or open the device, this is dangerous and could cause injury or damage to the equipment or vehicle. A repair should be done by trained and authorized personnel only. The device uses a Class 1 laser to read the disk. Eye contact with a laser is very dangerous to the human eye.
- If you connect an external device, you should first read the instruction manual of the external device and make sure that it is compatible. Avoid connecting an incompatible external device.
- If you install external applications onto the operating system of the device or operate files, make sure that they are „virus free“ and compatible with Android™. Otherwise there is a risk that the operating system no longer works properly and must be reinstalled.
- Do not damage or scratch the screen with sharp objects. Do not operate the screen with hard objects.

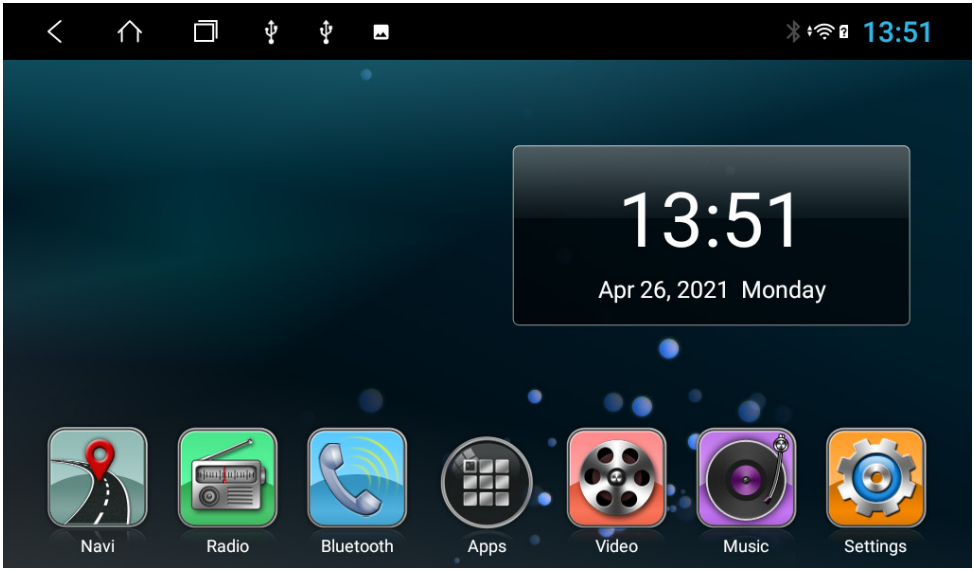
1. QUICK START

1.1 FUNCTION KEYS

Symbol	Function	Description
	Switch on or off	Press to turn the device on or off.
	Main menu	Press to open the main menu.
	Back	Press to open the previous menu.
	Decrease volume	Press to decrease the volume.
	Increase volume	Press to increase the volume.
	Camera	Press here to display the image signal from the connected camera.
RST	Reset button	If the device no longer reacts to inputs, the system is overloaded or has crashed. Then restart the system by pressing the reset button (RST) on the front panel. Use a suitable object, such as a paper clip or ballpoint pen. After pressing the reset button, the system restarts without losing the settings you have already made.

1.2 MAIN MENU

This device has a total of five main menus that you can access with a swipe left or right to the edge of the screen. You can start any app or widget by tapping its icon.



1.3 STATUS BAR

The three symbols on the left side of the status bar are used for menu navigation or show the apps or notifications and events used. If there is a new message, it will be displayed in the status bar. Slowly drag your finger off the status bar to view all of the messages. Then you could tap the message and see its contents. The icons on the right side of the status bar are the device status indicators.

Symbol	Function	Description
	Back	Back to the previous menu
	Main menu	Get to the main menu
	Split screen	Show 2 apps at once
	SD card	SD card recognized

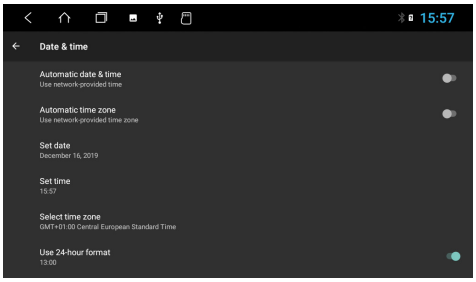
Symbol	Function	Description
	USB	USB recognized
	Bluetooth®	Bluetooth® connected
	WiFi	WiFi connected
14:49	Time	Current time display

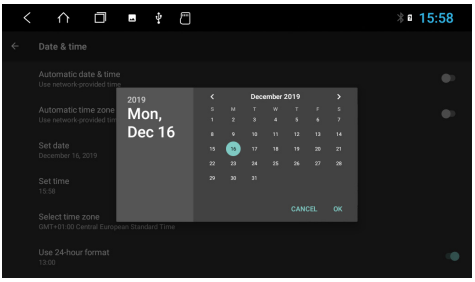
Important note: Depending on the apps or optional accessories used, the status display may vary as shown here!

1.4 TIME AND DATE SETTINGS

This device has the function of automatically calibrating the current time via active GPS reception. You can also set the date, time zone, and format manually.

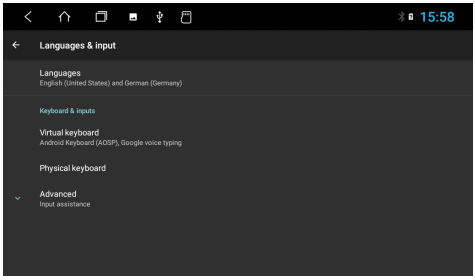
Main menu > Settings
> System
> Set date
> Set time
> Select time zone

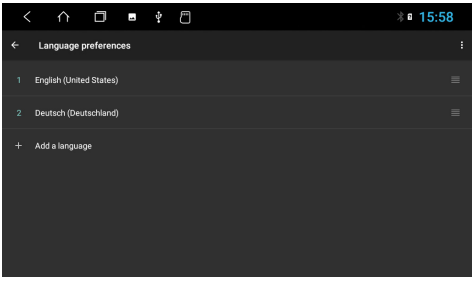




1.5 LANGUAGE SETTINGS

Main Menu: > Settings
> System
> Language & input
> Languages
> To add other language, click on +





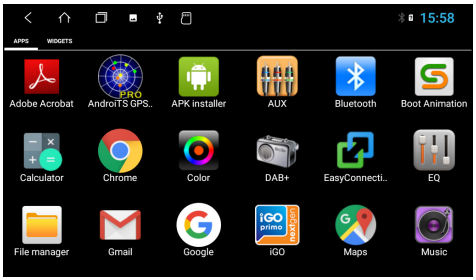
Important note: In order for the operating system to display your preferred language, you must now move it to the first position with a swiping motion. If certain menus and functions are not available in the selected language, the next language is always used, in this case „English“.

2. BASIC FUNCTIONS

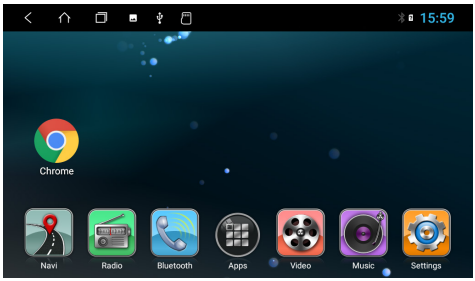
2.1 CUSTOM MAIN MENU

You can freely arrange any app or widget on the five main menus by holding down the app icon and then moving it. The seven apps at the bottom of the screen cannot be changed and are always displayed in the five main menus.

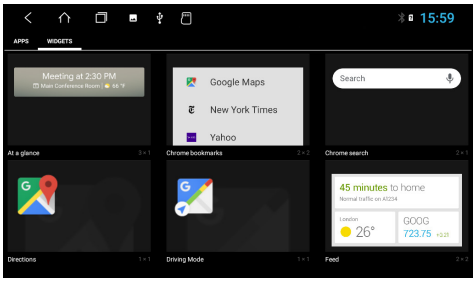
Main menu 1 with DAB-Z and iGO icon.



In the Apps menu, the apps are always displayed in alphabetical order.



Main menu 2 with Chrome icon.

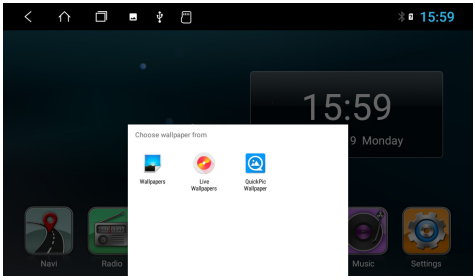


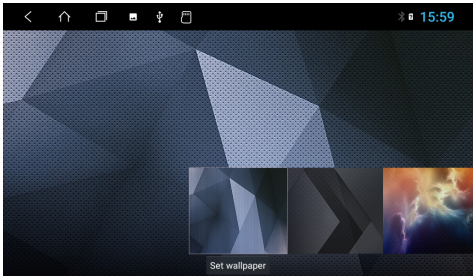
You can reach the Widgets menu by swiping all the way to the left in the Apps menu.

2.2 WALLPAPERS

Tap on a blank area in the main menu.

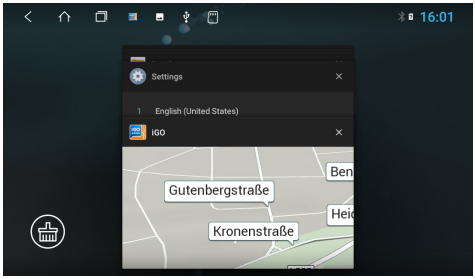
> Tap on Wallpapers or select an image on the device



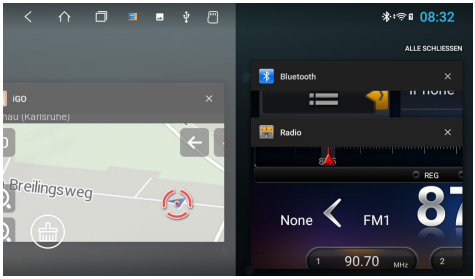


2.3 SPLIT SCREEN

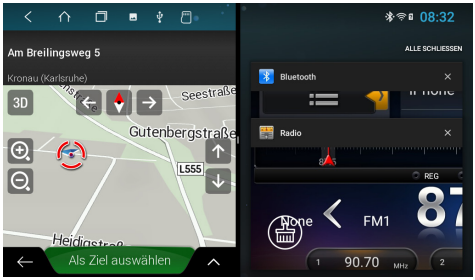
At the top of the status bar, tap on



All apps currently in use or recently used can then be seen.

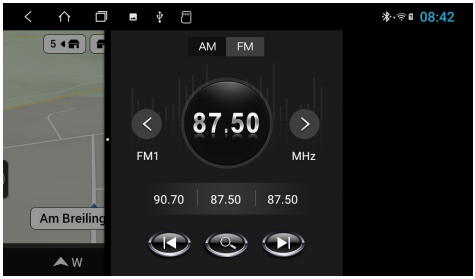


Select the desired app and slide the app window all the way to the left until it clicks into place.



From now on, the primary app will always be shown on the left. Now choose an app for the right side (e.g. radio).

The secondary app on the right can be switched by starting another app in the main menu.



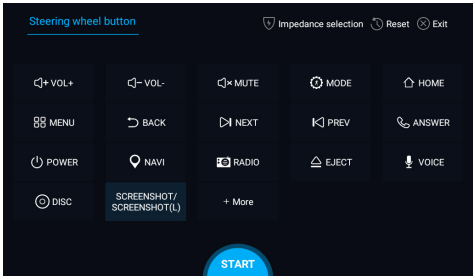
To cancel the split screen, drag the black frame in the center of the picture to the left or right.

Important note: Some apps are not suitable for displaying in split screen mode.

2.4 STEERING WHEEL REMOTE CONTROL

Here you can set the steering wheel control buttons and match them with the device.

Apps > Steering wheel button



Important note:
The steering wheel remote controls on some vehicles may not be compatible.

The ESX Naviceiver is CAN-BUS compatible, but you may need a vehicle-specific adapter or a vehicle-specific module.

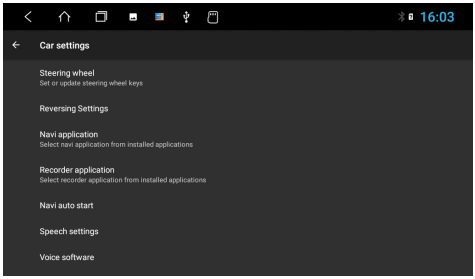
- Tap on “Start”
- Tap on the desired function
- Press the appropriate button on the steering wheel. If the entry is successfully shown on the display, the corresponding color on the button changes.
- Repeat steps 1 and 2 until you have made all the button settings on the steering wheel.
- Exit the menu when the steering wheel settings have been completed with „Exit“.

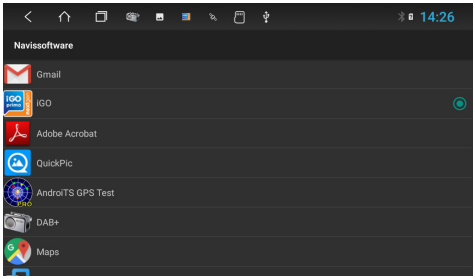
Important note: If you want the reset the steering wheel assignments and the re-learn the functions, press RESET and repeat the procedure.

2.5 NAVIGATION

Select an appropriate navigation application, then it can be associated with the navigation button on the device and navigation icon on the main screen.

Apps > Settings
> Car settings
> Navi application
> For example: Google Maps oder iGO





2.6 FM/AM (ANALOG RADIO)

In the main menu, tap on “Radio” to open the radio menu.

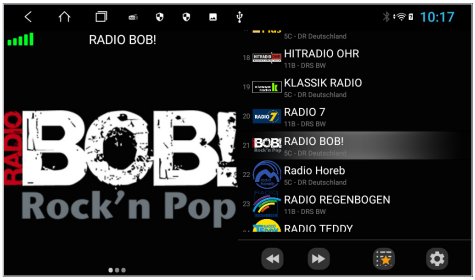
Symbol	Function
	Tap here to automatically search for and save all receivable radio stations.
	Fine tuning of the radio frequency downwards.
	Fine tuning of the radio frequency upwards.
	Tap here to switch to the next station memory location to the left.
	Tap here to switch to the next station memory location to the right.
	With the controller below you can choose between the station presets directly.
FM	Tap here to switch between FM (ultra-short wave) and AM (long wave).
	Tap on the heart icon in the box to mark the station as a favorite.
	Tap here to display the favorite stations or to activate or deactivate the AF function. The AF function enables a radio station to be switched automatically when leaving the reception area. The device then switches to another frequency if the same program is available in a different reception area.

Important note: If only a few or no stations are displayed, deactivate the AF function in order to be able to receive more stations.

2.7 DAB+ (DIGITAL RADIO)

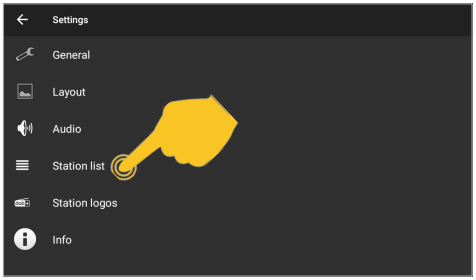
In the main or app menu, tap on “DAB-Z” to open the DAB menu.

When using the device for the first time, you must first start the station search as requested. This process can take several minutes. All DAB + stations displayed in the current transmission area will then be displayed.



Symbol	Function	Description
	Next station downwards	Tap here to search for the next strong and clear station frequency band downwards.
	Next station upwards	Tap here to search for the next strong and clear station frequency band upwards.
	Favorites list / Channel list	Tap here to switch between the favorites list and the channel list.
	Settings	Tap here to open the settings.

To save a station in the favorites, press the station name in the list for a second and tap on the star icon. To delete the station from the favorites list, select the trash can.

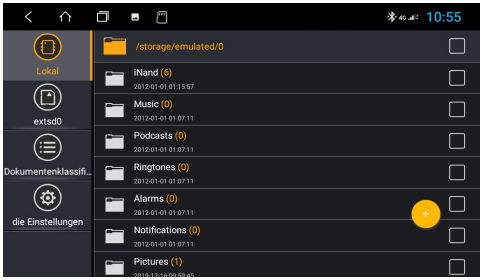


In the settings you can restart the station search for all stations that can be received in the reception area under station list.

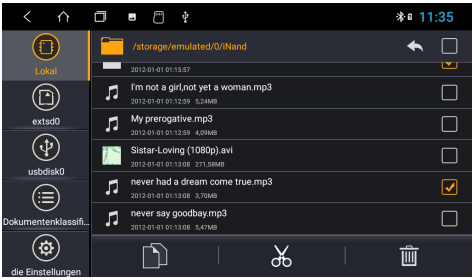
You can also make further settings in this menu.

2.8 FILE MANAGER

In the app menu tap on „File Manager“.



Here you can see which files have been saved in which location.



In the file manager, files can then be copied, moved or deleted as required on another storage medium.

2.9 AUX

If you have connected an external audio or video source at the AUX IN inputs of the device, click on AUX in the app menu. Then you need to start the playback on the external audio or video source.

Important note: While driving, the image signal of a video is not displayed for safety reasons.

2.10 BLUETOOTH® PHONE

To enable wireless phone calls, you need to connect the device to a compatible Bluetooth® smartphone.

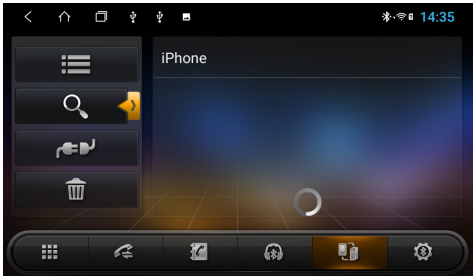
Therefore, first activate the Bluetooth® function on your smartphone. Make absolutely sure that the synchronization for your contacts in the smartphone is enabled accordingly.

Then tap on “Bluetooth” in the main menu to open the phone menu.

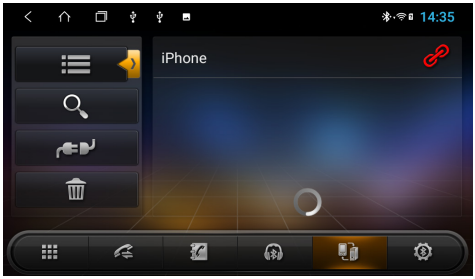
In the delivery state, the Bluetooth® function is already activated on the ESX device.

2.10.1 PAIR DEVICES

Tap on , to start pairing the devices. The device will now search for Bluetooth® devices in your area.



Select the desired Bluetooth® device in the search results to start the pairing. A PIN code must then be entered on your smartphone.



After successful pairing, a Bluetooth® icon is visible in the upper status bar and a red link symbol appears next to the device name.

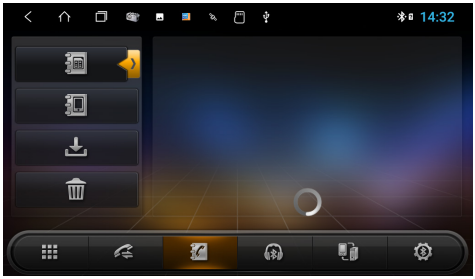
The delivery PIN code is 0000.

Symbol	Function
	Tap here to view the saved cell phone connections.
	Tap here to search for other cell phones in your area.
	Tap here to disconnect the current mobile phone connection.
	Tap here to delete the selected connection from the memory.

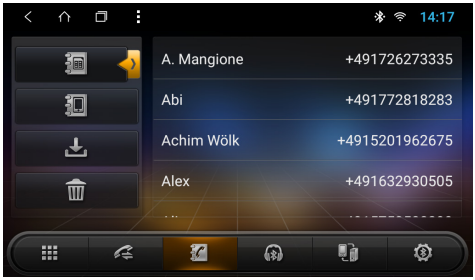
Important note: You can save multiple connections with cell phones, but it is only possible to activate one connection at a time.

2.10.2 PHONE BOOK

Tap on , to open the phone book. The phone book is initially empty.



Tap on , to load or synchronize your contacts.

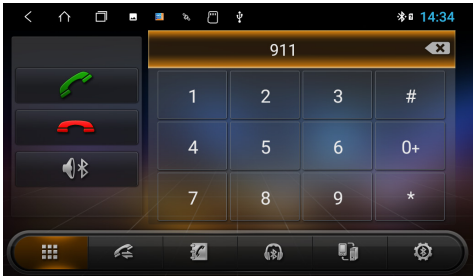


Symbol	Function
	Tap here to search for contacts from your smartphone.
	Tap here to search for contacts from your SIM card.
	Tap here to import all phone books.
	Tap here to delete an imported phone book.

Important note: Make absolutely sure that the synchronization for your contacts in the smartphone is enabled accordingly in the Bluetooth® settings.

2.10.3 NUMERIC KEYPAD

Tap on , to open the numeric keypad.



Symbol	Function
	Tap here to delete the last entry.
	Tap here to start the call after entering the number.
	Tap here to end a call.
	Tap here to forward the current call to the mobile phone.

Important note: The function keys in the lower area are not available during the call. They will return when the call ends.

2.10.4 CALL LOG

Tap here , to view the call list with the outgoing, incoming or missed calls from your mobile phone.

Important note: This only applies to calls made via the naviceiver.

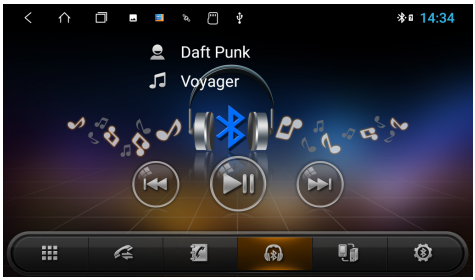
2.10.5 SETTINGS

Below you will find the settings, for example to change the device name or the PIN code.

2.11 BLUETOOTH® AUDIO STREAMING

Tap on , to open the audio streaming menu.

Use the play / pause and skip buttons to play audio files from your mobile phone through the device.

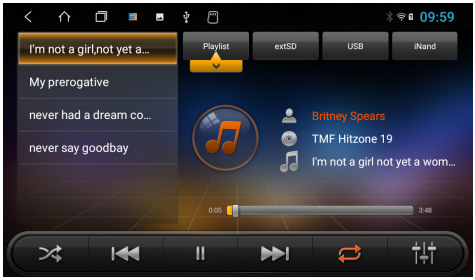


Important note: Some cell phones require their music player to be started in order to use this function.

2.12 AUDIO PLAYER

In the main menu tap on „Music“ to start the audio player .
Compatible formats: **MP3 / AAC / FLAC / WAV / AMR / M4A / OGG**

The audio player accesses all files that can be found either on the internal device memory (iNand) or on optionally connected storage media (USB or SD card). Select the storage location in the top right in the bar.



Symbol	Function
	Tap here to start random playback.
	Tap here to play the previous track.
	Tap here to start or pause playback.
	Tap here to play the next track.
	Tap to repeat the track or playlist.
	Tap here to open the audio settings.

2.13 VIDEO PLAYER

In the main menu tap on „Video“ to start the audio player .
Compatible formats: **MP4 / AVI / WMV / 3GP / FLV / SAF / MOV / MKV / MPG**

The video player accesses all files that can be found either on the internal device memory (iNand) or on optionally connected storage media (USB or SD card).

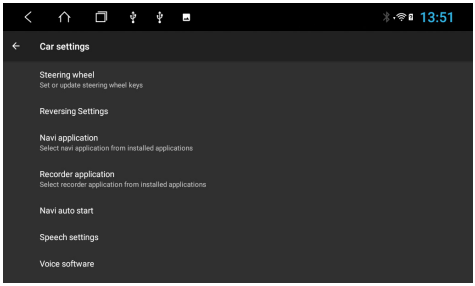
Symbol	Function
	Tap here to go to the main menu.
	Tap here to play to the previous track.
	Tap here to start or pause playback.
	Tap here to play the next track.
	Tap here to start fast searching backwards.
	Tap here to start the fast forward search.
	Tap here to view the playback in full screen mode.
	Tap here to go to the previous menu.

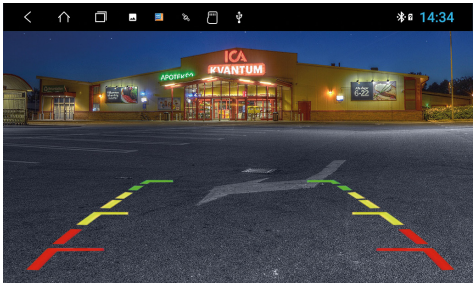
Important note: While driving, the image signal of a video is not displayed for safety reasons.

2.14 CAMERA

If you have connected a rear view camera to the inputs of the device, the camera image is automatically displayed when you engage reverse gear. Alternatively, you can also press the camera direct button on the front panel. Proceed as follows to make settings for the connected reversing camera:

Main menu > Settings
> Car settings
> Reversing settings

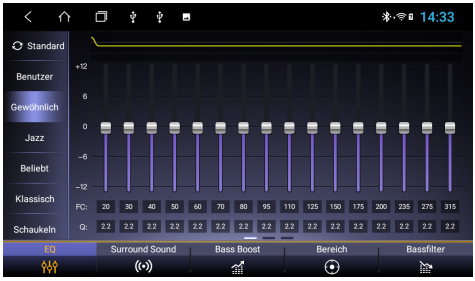




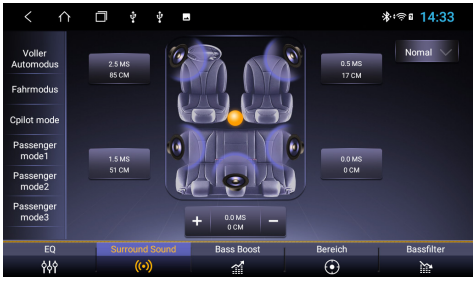
Important note: If no camera is connected, the display shows „No video signal“

2.15 EQ (AUDIO SETTINGS)

In the app menu, tap EQ or on in the individual audio apps. The EQ menu is divided into two functions.



Under “EQ” there is a 16-band equalizer with 8 different presets.



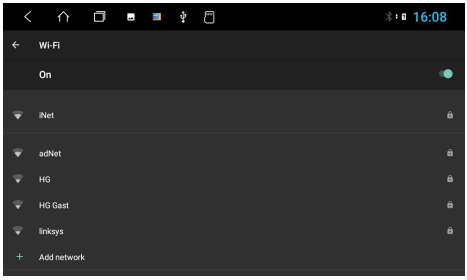
Under “Surround Sound” you can set the acoustic center of the stage.

Important note: The “Bass Boost”, “Range” and “Bass Filter” settings only work if you have connected an audio amplifier to the preamp outputs.

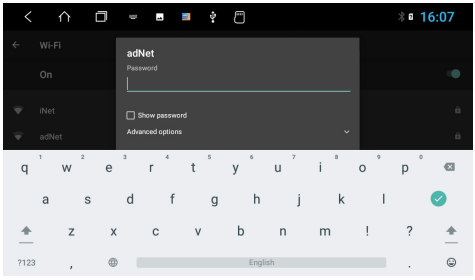
2.16 INTERNET CONNECTION VIA WI-FI

In order to be able to fully use the Android ™ operating system, such as Google Maps, it is useful to connect the device to the Internet via Wi-Fi. All you need is a smartphone with a mobile internet connection and the so-called hotspot function.

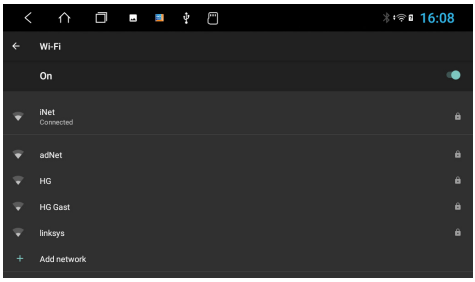
> First, enable the Wi-Fi / Hotspot feature in your smartphone
> Then open the Settings in the main menu.
> Click on Network & Internet
> Click on Wi-Fi



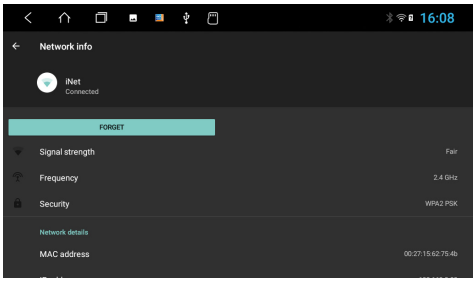
Click on your smartphone network in the list.



Then enter its password. Then click on the green tick on the right.



After successful entry, the device will be connected to your smartphone after a few seconds.



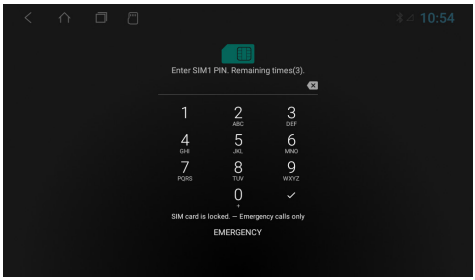
If you click on the network name again in the „Connected“ status, you will get some information about the currently active internet connection. If you want to interrupt the connection with your smartphone, click on „Forget“. After that you have to enter the password again when reconnecting.

Important note: Depending on the operating system and type of smartphone, you may need to restart the Wi-Fi / Hotspot feature if the connection with the device has been lost. It is therefore advisable to have the Wi-Fi / Hotspot function permanently activated on your smartphone.

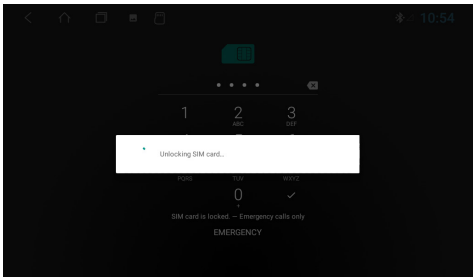
2.17 INTERNET CONNECTION VIA 4G/LTE

To connect the device to the Internet via an optionally connected 4G/LTE dongle, please proceed as follows:

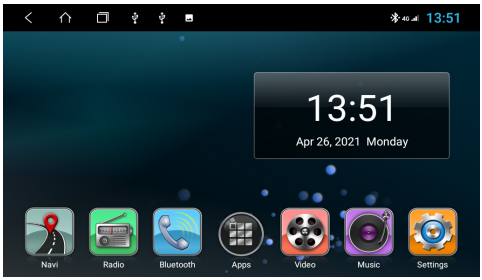
> Turn off the device and have your PIN code ready to unlock your SIM card
> Then connect the 4G/LTE dongle with antennas to the device
> Put your SIM card in the SIM card slot of the dongle
> Turn the device on again



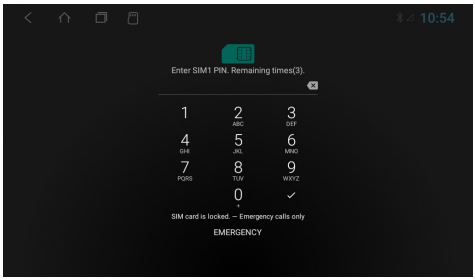
After the device has started, enter your 4-digit PIN code of the SIM card here. Confirm the entry with the tick.



After successful entry, the SIM card is unlocked.



If the device is successfully connected to the mobile Internet, the “4G” symbol appears in the status bar at the top right.



If the device is switched off, you have to enter the PIN code of the SIM card again after each restart, just like with a smartphone.

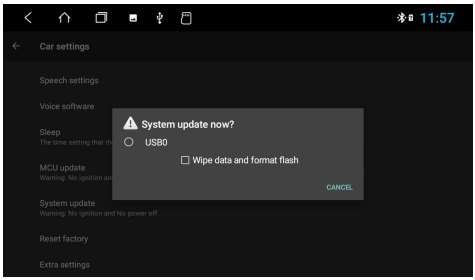
Important note: You can also deactivate the request for the PIN code of your SIM card so that you do not have to enter it again after each device start. To do this, insert the SIM card into a smartphone and deactivate the request for the PIN code in accordance with the instructions of the mobile network operator or the smartphone manufacturer.

3. UPDATES

3.1 MCU UPDATE

After you have decompressed the downloaded MCU update, copy the files to your SD card or USB stick. Insert the SD card or USB stick into the device.

Apps > Settings
> Car Settings
> MCU update



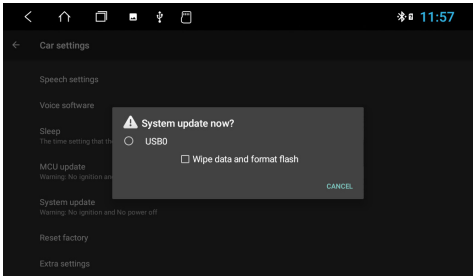
Mark the circle symbol and then confirm the entry.

Important note: Please do not switch off the device during the update process. Wait for the update to finish. The device‘s system will automatically restart afterwards.

3.2 SYSTEM UPGRADE

After decompressing the downloaded system upgrade, copy the files to your SD card or USB stick. Insert the SD card or USB stick into the device.

Apps > Settings
> Car Settings
> System update



Mark the circle symbol and then confirm the entry.

Important note: Please do not switch off the device during the update process. Wait for the update to finish. The device‘s system will automatically restart afterwards.

Visit **www.esxnavi.de** regularly or ask your specialist dealer whether update files are available for your device. Then follow the instructions that come with the update.

NOTES

NOTES

CAR MEDIA SYSTEMS

ESX Car Media Systems · Audio Design GmbH
Am Breilingsweg 3 · D-76709 Kronau/Germany
Tel. +49 7253 - 9465-0 · Fax +49 7253 - 946510
www.esxnavi.de - www.audiodesign.de
© All rights reserved. Technical changes, errors and mistakes reserved.