

V1.0

OWNER'S  
MANUAL



CAR MEDIA SYSTEMS



# VN1030

## SMART MONICEIVER



Works with

Apple CarPlay

## INTENDED USE OF THE DEVICE

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

## DISPOSAL

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If you have to dispose of the device, please note that no electronic devices may be disposed of with household waste. Dispose of 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

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

The Audio Design Lautsprecher Vertriebs GmbH hereby declares that the radio system type **VN1030** 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](http://www.esxnavi.de/ce)**

## INDEX

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

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## GENERAL INFORMATION

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### 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.

Please visit periodically [www.esxnavi.de](http://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 by E-Mail to [navi@esxaudio.de](mailto:navi@esxaudio.de).

### Care and 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.
- Replace a blown fuse only with a new one with the same values. However, before replacing a defective fuse, first check what the cause of the short circuit is. Start with the power cable. If the fuse blows again, there is a malfunction in the device. In this case, you should contact your authorized dealer.

## RADIO TYPE SPECIFICATIONS

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Function	Band Information	Frequency Range	Max. emitted power
AM Radio	Medium wave	520 ~ 1.620 Hz	–
FM Radio	Band II	87,5 ~ 108 MHz	–
DAB Radio	Band III (5A – 13F)	174 ~ 240 MHz	–
Bluetooth	Version 5.0	2.400 ~ 2.480 MHz	4 dBm

## SAFETY INFORMATION








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- 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.
- Do not damage or scratch the screen with sharp objects. Do not operate the screen with hard objects.

# 1. BRIEF OVERVIEW

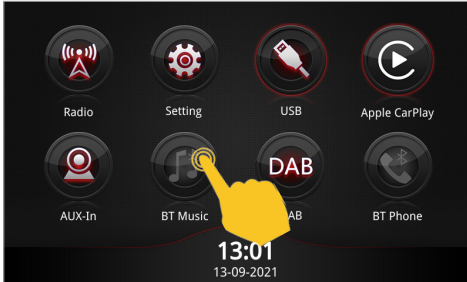
## 1.1 FUNCTION KEYS ON THE DEVICE



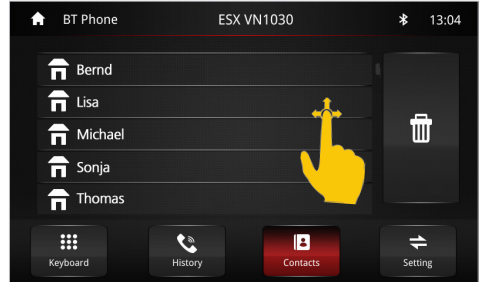
Symbol	Function	Description
	<b>Mute</b> <b>Sleep mode</b>	Briefly tap here to switch the mute function on or off. Long tap here to switch sleep mode on or off.
	<b>Increase volume</b>	Tap here to increase the volume.
	<b>Decrease volume</b>	Tap here to decrease the volume.
	<b>Main menu</b> <b>Camera direct key</b>	Briefly tap here to open the main menu. Long tap here to open the view of the connected rear camera (Input CAMIN). Please note the information in the separately enclosed installation guide. Tap again or  to exit.
	<b>Voice assistant</b>	Tap here to start the voice assistant on your connected mobile phone.
	<b>Reset button</b>	If the device no longer reacts to inputs, the system is overloaded or has crashed. Then perform a reset/reboot of the device by pressing the reset button (RST). After pressing the reset button, the system will restart without losing the settings you have already made. Use a suitable object, such as a paper clip or ballpoint pen.

# 1. KURZER ÜBERBLICK

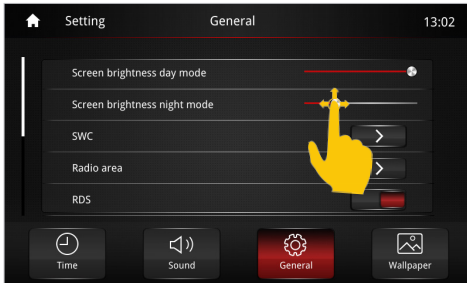
## 1.2 OPERATING THE TOUCH SCREEN



You can open the individual functions by briefly tapping them once.



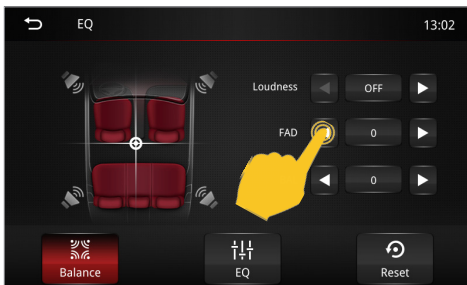
In some menus it is possible to swipe the content up or down.



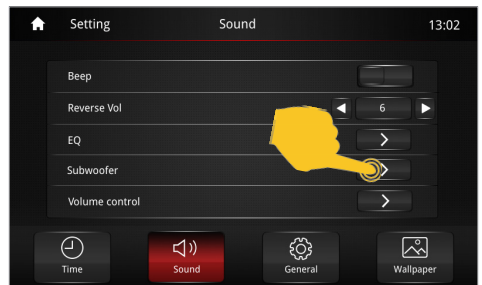
You can both tap and swipe on sliders.





In some menus you can also swipe the lower control elements to the side to display further functions.



In some menus there are switches that you can switch on or off with the arrow keys.

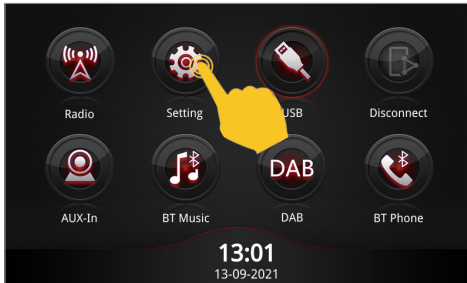


In other menus you can use the arrow keys to open further submenus.

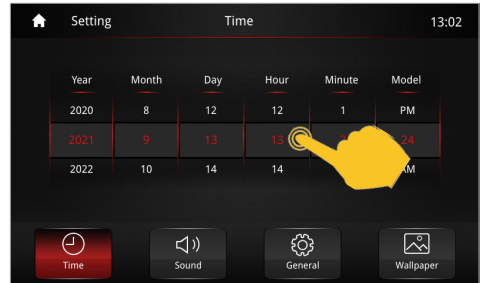
	Main menu	This key is located at the top left in the function menus. With this you can always return to the main menu.
	Back	The key with this symbol is located in the top left of the submenus. With this you can always return to the previous menu.

## 2. SETTINGS

### 2.1 SET TIME & DATE

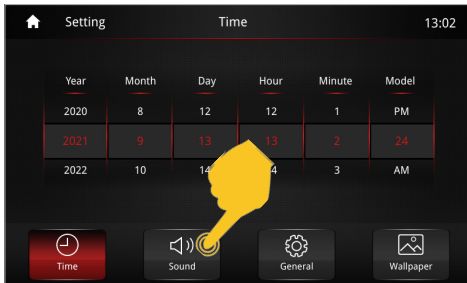


Tap on „**Settings**” in the main menu.

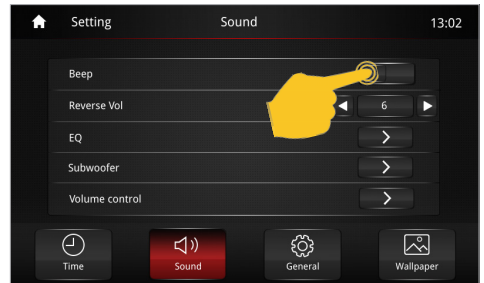


Set here the „**Time & Date**”.

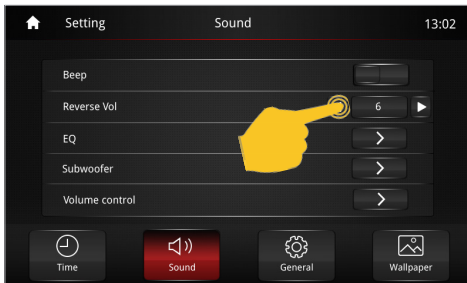
### 2.2 SOUND SETTINGS



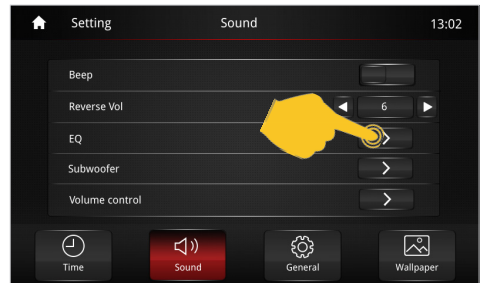
Tap on „**Sound**” in the submenu “**Setting**”.



Under „**Beep**” you can switch key tones on or off.



Under „**Reverse Vol**” you can adjust the overall volume of the device when reverse gear is engaged.



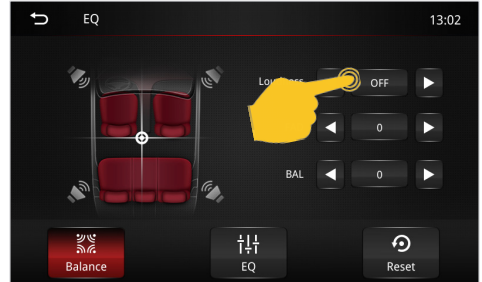
Under „**EQ**” another submenu opens.

## 2. SETTINGS

### 2.2 SOUND SETTINGS

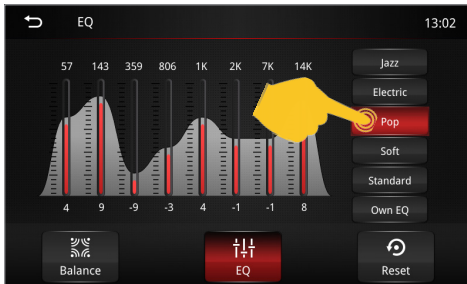


Under „Balance“ you can determine the acoustic center of the stage with „FAD\*“ and „BAL“. To do this, move the crosshairs on the left accordingly. You can make fine adjustments with the appropriate arrow keys on the right.

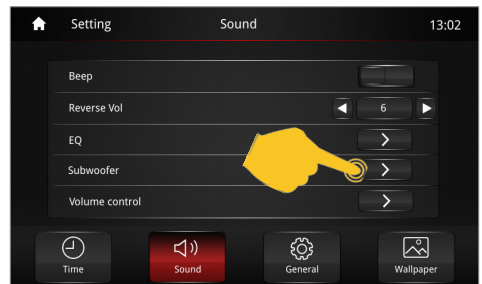


Under „Loudness“ you can give the audio signal more loudness overall. Thus, the highs and mids are reproduced more intensely.

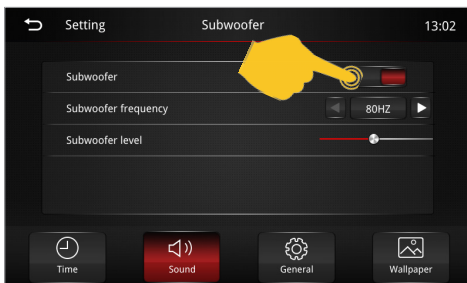
**Important note: \* If you use the stereo pre-amplifier outputs of the device, the fader function (FAD) has no function. In this case, make sure that the value of „FAD“ is set to „0“.**



In the submenu „EQ“ you can choose a preset or adjust the EQ to your liking.



Under „Subwoofer“ another submenu opens.



If you want to operate a subwoofer via an amplifier with the subwoofer preamplifier output, you must activate the „Subwoofer“ switch.

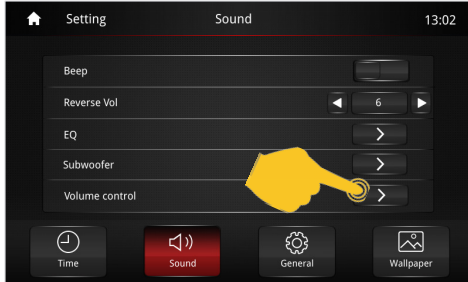
Under „Subwoofer frequency“ you can determine the crossover frequency of the subwoofer signal (80, 120 or 160 Hz).

With the slider below you can adjust the „Subwoofer level“ of the signal.

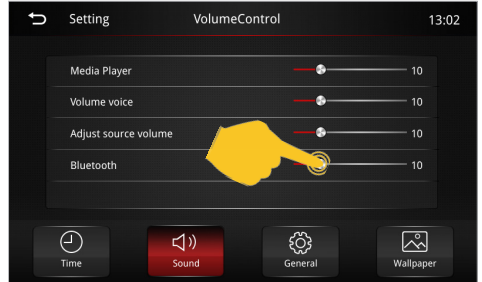


## 2. SETTINGS

### 2.2 SOUND SETTINGS



Under „**Volume control**“ another submenu opens.

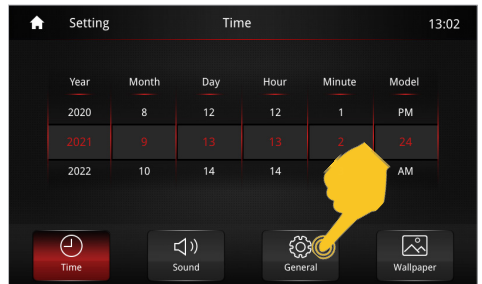


Here you can adjust the volume of the individual applications to one another.

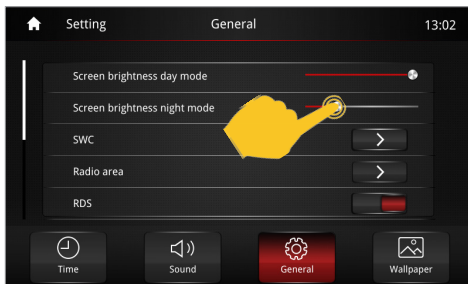
### 2.3 GENERAL SETTINGS



Tap on „**Setting**“ in the main menu.



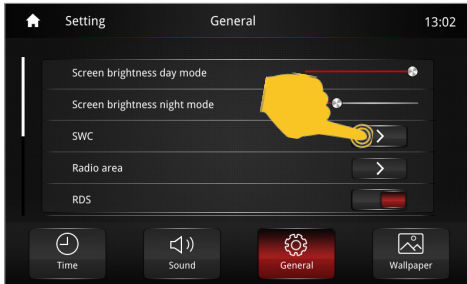
Tap on „**General**“.



Here you can set the screen brightness separately for day and night mode. The night mode of the device is activated whenever you switch on the headlights of the vehicle.

## 2. SETTINGS

### 2.3 GENERAL SETTINGS



Under „SWC“ the submenu for the steering wheel remote controls opens.



First tap on „Reset“.



Then select one of the 8 operating functions by tapping on the respective symbol.



Then press the appropriate button or controller on the steering wheel remote control. Repeat this procedure for the other operating functions.



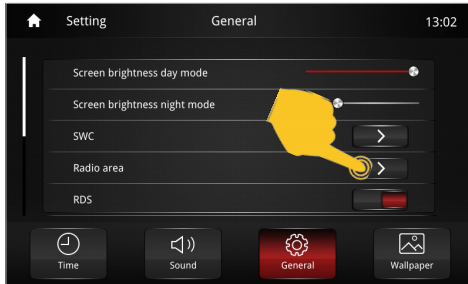
Once all the operating functions of your steering wheel remote control have been learned, complete the process with the „Save“ button.

**Important note:** If the device does not receive any signals from the steering wheel remote control, check whether it is correctly connected to the device. Some vehicles are not compatible.

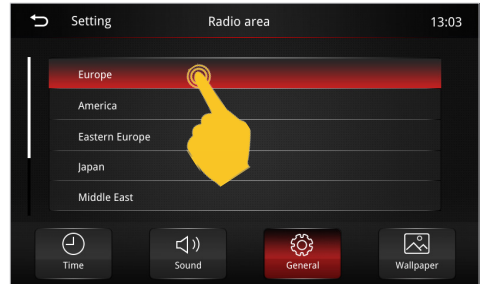
The ESX device is CAN bus compatible, but for this you need a corresponding vehicle-specific CAN bus adapter or a CAN bus module. Then learning the steering wheel remote control is not necessary.

## 2. SETTINGS

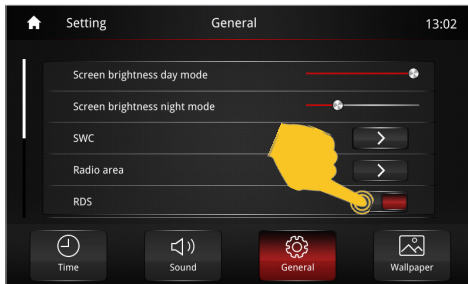
### 2.3 GENERAL SETTINGS



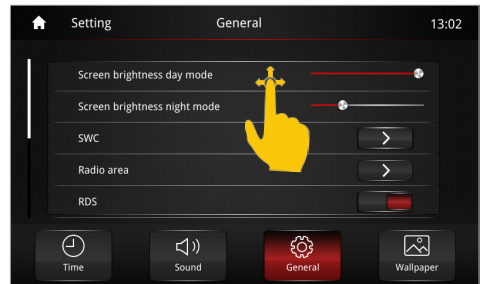
Under „Radio area“ another submenu opens.



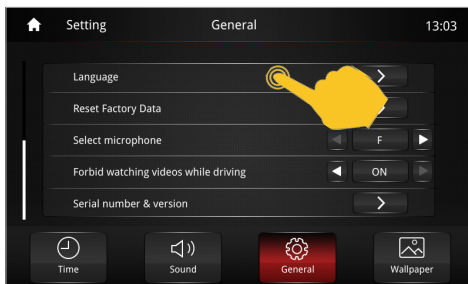
Select the region in which you are currently located.



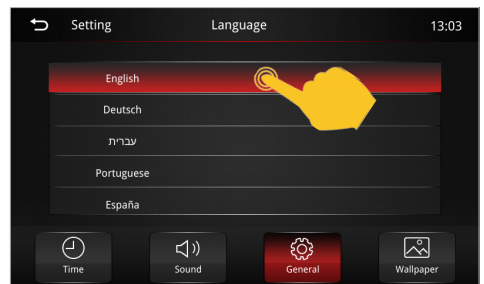
Use the slider below to switch „RDS“ on or off. The radio data system enables the transmission of additional digital information for analog FM radio.



Swipe the „Settings“ menu up to view additional functions.



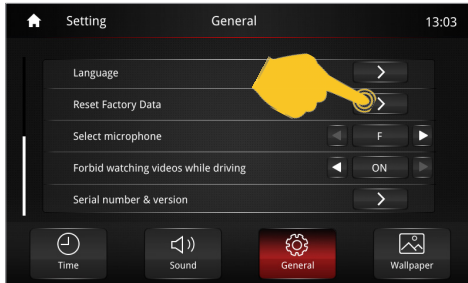
Under „Language“ another submenu opens.



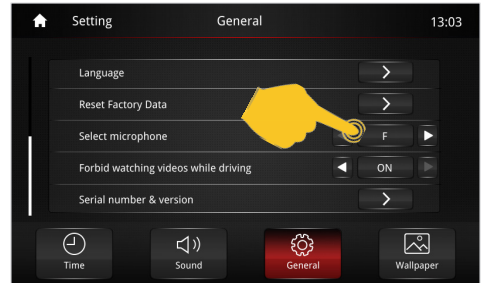
Tap the language you want in the list.

## 2. SETTINGS

### 2.3 GENERAL SETTINGS

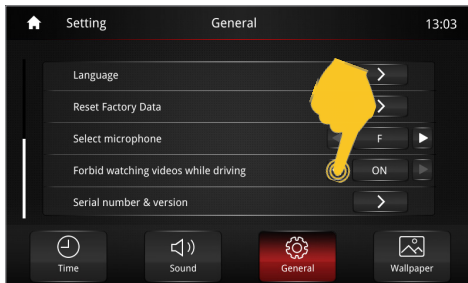


**WARNING:** You can reset the device to its delivery status with the „Reset factory data“ button. All settings will be deleted. The device will then restart.



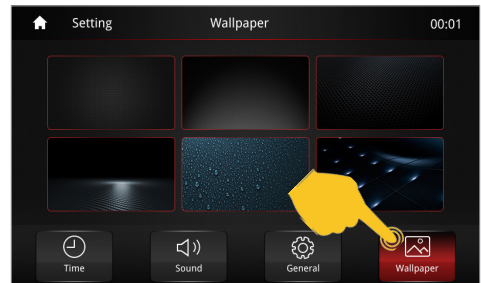
Under „Select microphone“ you can choose which microphone to use. Setting „F“ activates the internal microphone on the front panel.

Setting „R“ activates the external microphone, which must be connected to the rear of the device and installed in a suitable place in the vehicle cockpit.



With „Forbid watching videos while driving“, you can switch the playback of videos and photos on or off while driving.

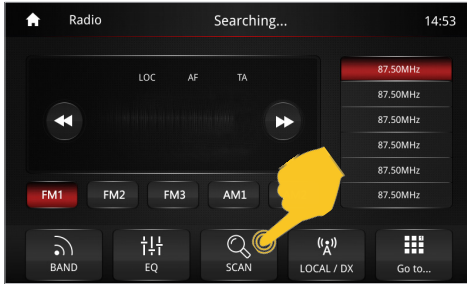
**Important note:** In most countries, the playback of videos and photos while driving is prohibited in order to avoid accidents and injuries. Find out about the local regulations before operating this switch.



Under „Wallpaper“ at the bottom right you can select a different background image by tapping on it and confirming the selection.

### 3. FUNCTIONS

#### 3.1 RADIO FM/AM (ANALOG)



In the main menu, tap on „Radio“. First start „Scan“ to search for all receivable stations in the vicinity. This process can take a while.



The station presets **FM1**, **FM2**, **FM3**, **AM1** and **AM2** gradually fill up with 6 stations each, depending on the reception situation.



With „Band“ you can switch through the station presets or select them directly.



On the right side you can then select the desired station directly in the respective station preset. Use the left and right arrow keys to make fine adjustments in steps of 5.



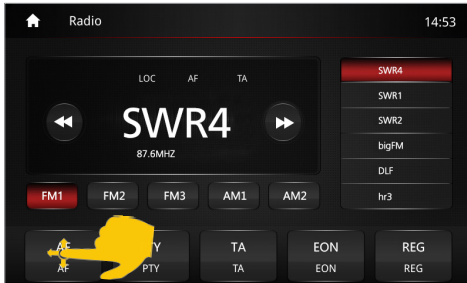
With „Local / DX“ you can limit the reception area to local stations and thus improve reception. This means that more distant transmitters do not interfere with reception.



Under „Go to...“ you can enter a desired frequency directly.

## 3. FUNCTIONS

### 3.1 RADIO FM/AM (ANALOG)



If you swipe the lower area to the left, additional functions appear.



The „AF“ function automatically selects the strongest frequency for the set radio station, which broadcasts on several frequencies.



Under „PTY“ you can select the category which stations you would like to listen to. The search then starts again and only stations of the selected category are displayed. This process can take a while.



With “TA” you activate the traffic information of the set station, for example if you are listening to music on the media player.



The „EON“ function enables the reception of traffic information „TA“ even if the selected station does not offer its own traffic information program. Another transmitter with traffic information is activated in the background.



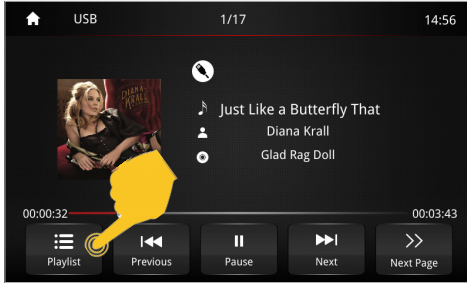
With „REG“ the currently set station is retained, even if it can be received as a different regional station when changing the broadcasting area.



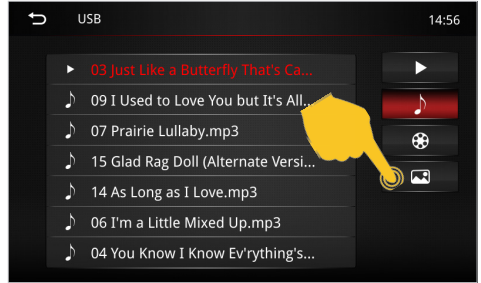
### 3. FUNCTIONS

#### 3.2 USB

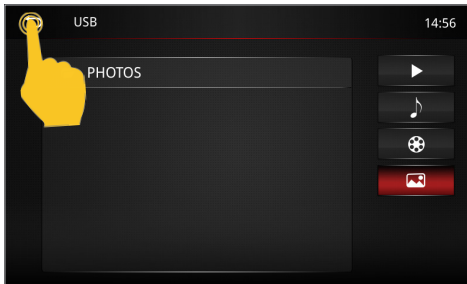
If you have connected a USB storage medium to the device, you can access it using the „USB“ function. Compatible media file types such as MP3, MP4, 3GP, JPG or similar common formats must be on the medium.




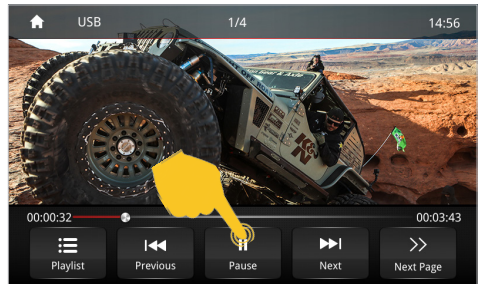
Under „List“ you can access the file list and folder structure of the storage medium.



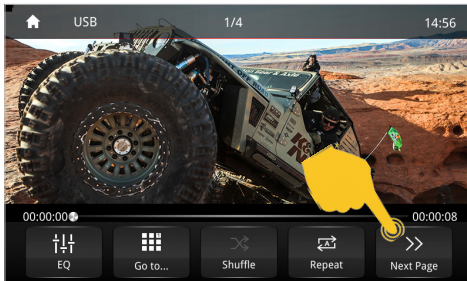
On the right side, you can choose the type of file (music, video, photo) you want to play.



The key  takes you to the parent folder of the current directory.



After you have tapped a file in the list, it will start playing. You can control these accordingly with the buttons below.



Under „Next Page“ you find the functions „EQ“, „Go to...“, „Shuffle“ and „Repeat“.


**Important note: In most countries, the playback of videos and photos while driving is prohibited in order to avoid accidents and injuries.**

## 3. FUNCTIONS

### 3.3 APPLE CARPLAY

To use the Apple CarPlay function, you need a compatible iPhone with the current iOS operating system. Connect this with its charging cable to the USB port „**Apple CarPlay**“ of the device. Please note the information in the separately enclosed installation guide.



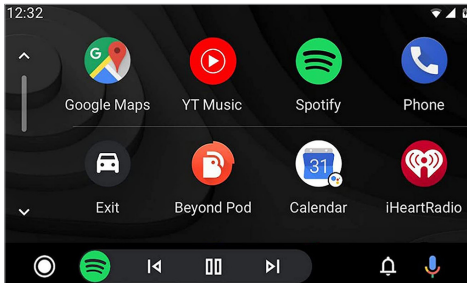
First of all, you need to consent to the device's access to your iPhone. Then the CarPlay menu appears. With the function key  on the ESX device at the bottom left, you can activate „**Siri**“.



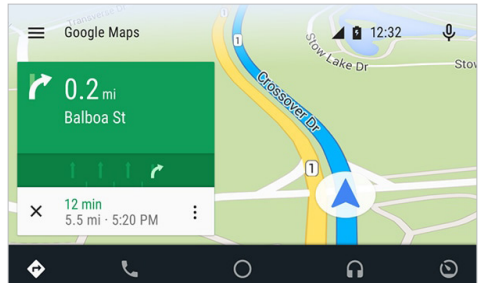
Now you can use all compatible apps on your iPhone, e.g. Use „**Maps**“ or „**Phone**“ via the ESX device.

### 3.4 MEDIA CONNECT (ANDROID)

In order to be able to operate a smartphone with Android OS on the ESX device, connect it to the USB port „**Android Auto**“ of the device with its charging cable. Please note the information in the separately enclosed installation guide.



First you have to agree to the device's access to your smartphone and possibly download and install the required app on Google Play. Then the Android Auto menu appears. With the function key  on the ESX device at the bottom left, you can activate „**Ok Google**“.



Now you can use all compatible apps on your iPhone, e.g. Use „**Google Maps**“ or „**Phone**“ via the ESX device.

**Important note: When using the functions mentioned above, any existing Bluetooth connection with the ESX device will be interrupted. Please also note that a mobile internet connection is required when using some apps and that this may result in high data volume consumption.**



## 3. FUNCTIONS


### 3.5 AUX-IN

The „**AUX-In**“ can be used for external audio signals (inputs AUXL and AUXR) as well as for external video signals such as a camera (input CVBSIN). To do this, the corresponding signal inputs on the ESX device must be connected accordingly. Please note the information in the separately enclosed installation instructions.



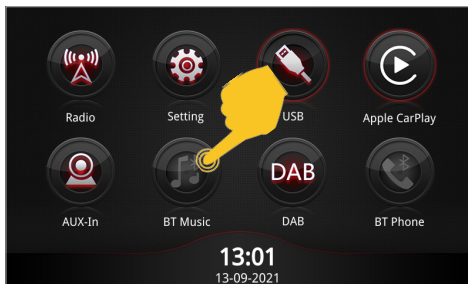
Tap on „**AUX-In**“ to open the view. If no active audio or video signal is detected by the ESX device, the message „No signal“ appears.



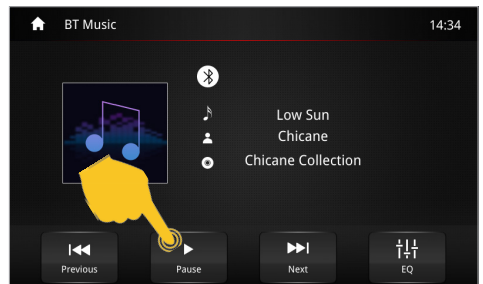
You can exit the view by tapping on  in the top left.

### 3.6 BT MUSIC

With the „**BT Music**“ function, you can wirelessly stream audio signals from your smartphone to the ESX device. To do this, you must first pair your smartphone with the ESX device via Bluetooth. Please note the information under „**3.8 BT Phone**“ on the next page.



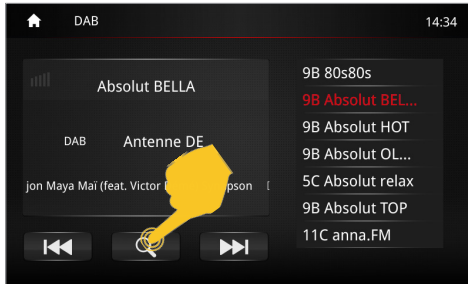
Tap on „**BT Music**“ to open the view. This is only active if a smartphone is paired with the ESX device via Bluetooth.




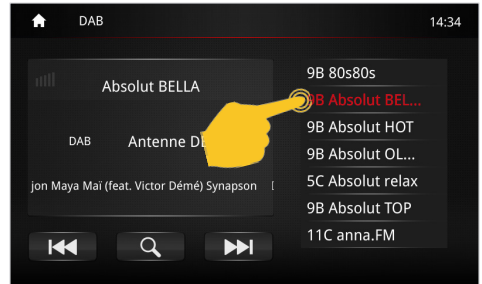
You may have to select and start playing the audio file on your smartphone. You can control these accordingly with the buttons below.

### 3. FUNCTIONS

#### 3.7 DAB RADIO (DIGITAL)

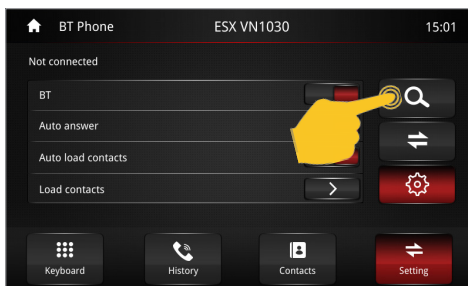



In the main menu, tap on „DAB“. First start the scan with  for all receivable DAB stations in the area. This process can take a while.

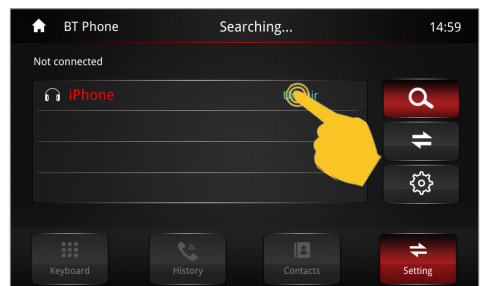


In the list on the right, you can tap the desired station directly. Use the arrow buttons to select the previous or next station in the list.

#### 3.8 BT PHONE



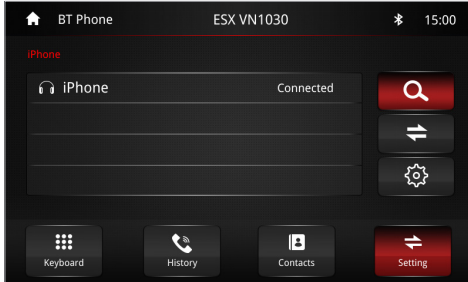
Tap on „BT Phone“ in the main menu to open the phone menu. First start to search for the available Bluetooth devices in the area with . Make sure that the Bluetooth function is activated in your smartphone.



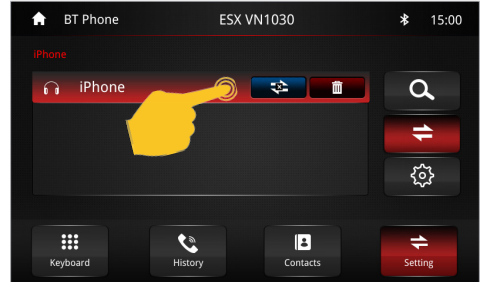
Once your smartphone is found, tap its device name. Depending on the smartphone and version, you have to agree to the pairing with the ESX device and access to the contacts. The ESX device name is „ESX VN1030“.

# 3. FUNCTIONS

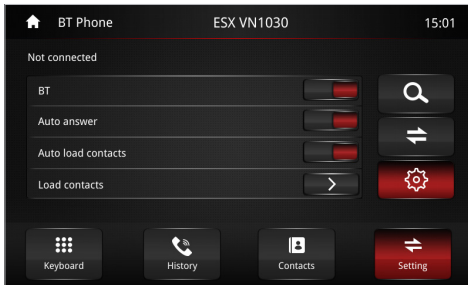
## 3.8 BT PHONE




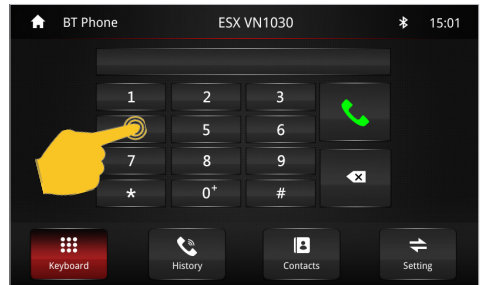
The devices are now connected to each other via Bluetooth. And from now on they will always connect as soon as both devices are switched on and within range.



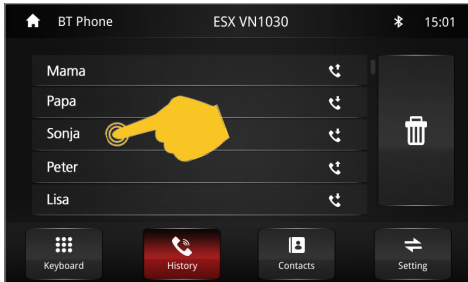
With the middle button on the right, you can interrupt the connection of the devices at any time or delete the connection setting completely.



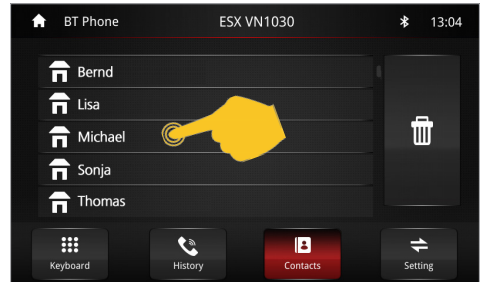
Use  to open a submenu with various settings. There you can deactivate the Bluetooth function of the ESX device with „BT“ or load the contacts from your smartphone.



You can enter a phone number directly under “Keyboard” and dial it with the green handset button.



The last calls received or made are displayed under „History“.



The contacts and phone numbers stored in your smartphone are displayed in alphabetical order under “Contacts”.



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