

V1.2

OWNER'S
MANUAL



CAR MEDIA SYSTEMS



VMX1201 DAB

1-DIN 30,4 CM (12") MEDIA MONICEIVER



Works with
Apple CarPlay



works with
androidauto



General information	4
Safety instructions	5
Specifications	6
Specifications radio type	6
Disposal / recycling	7
Intended use of the device	7
Declaration of conformity	7
Scope of delivery	7
 1. Connections & installation	8
1.1 Installation notes	8
1.2 Connections	10
 2. Control elements	12
2.1 Function keys & controls	12
2.2 Main menus	13
2.3 Status bar	13
 3. Settings	14
3.1 General	14
3.2 Audio	16
3.3 Display	17
3.4 Wi-Fi	18
3.5 Bluetooth	18
3.6 Camera	19
3.7 Radio	20
3.8 DAB	20
3.9 About	21
 4. Applications & functions	22
4.1 Start & App menus	22
4.2 Apple CarPlay® & Android Auto™	22
4.3 Radio	23
4.4 DAB	24
4.5 BT-Phone	25
4.6 BT-Audio	25
4.7 AV Input	26
4.8 USB	27
4.9 Camera	27

IMPORTANT NOTE:

Always follow the instructions in this manual before using the device. Keep this manual in the vehicle for future reference.

Legal notice

- 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 on the internet, to check if additional information and updates are available.

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.

SAFETY INSTRUCTIONS

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

SPECIFICATIONS

- Universal 1-DIN multi-angle media moniceiver with 30.4 cm (12") touchscreen display
- Large rotary knob for volume and eight function buttons on the control panel
- Perfect theft protection: Detachable control panel
- Compatible with Apple CarPlay® or Android Auto™ (wireless and USB)
- GPS receiver for optimized position determination in navigation applications
- Media player for audio, video and photo
Compatible file formats: AVI, FLV, MOV, MKV, WMV, WMA, MP3, FLAC, JPEG, PNG, BMP
- DAB digital radio (incl. active DAB antenna)
- FM/AM radio with RDS function
- Bluetooth® hands-free function including audio streaming
- USB-A port for media with charging function (1.5 A)
- USB-A port for Apple CarPlay® or Android Auto™ with charging function (1.5 A)
- 4 x 80 watts max. music output
- RCA preamplifier outputs with 4 V (FL/FR/RL/RR/SUB1/SUB2)
- RCA AUX inputs (L/R/VIDEO)
- RCA camera inputs (FRONT/REAR) can be activated and switched on the control panel
- Custom boot logo
- Selectable RGB key panel and ambient illumination with animation effect
- External microphone
- Compatible with analog steering wheel remote control (can be learned)

SPECIFICATIONS RADIO TYPE

Function	Band information	Frequency	Maximum emitted power
Satellite system	GPS	1,575 MHz	–
AM Radio	Medium wave band	520 - 1720 kHz	–
FM Radio	Band II	87,5 - 108 MHz	–
DAB Radio	Band III (5A – 13F)	174,9 - 239,2 MHz	–
Bluetooth	Version 5.0	2402 - 2480 MHz	10,0 dBm
WiFi / W-LAN	IEEE802.11b/g/n/a/ac	2412 - 2484 MHz 5180 - 5825 MHz	12,0 dBm 18,0 dBm

DISPOSAL / RECYCLING

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

More information at www.audiodesign.de/english/disposal



INTENDED USE OF THE DEVICE

This device is only suitable for operation 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 expire.

DECLARATION OF CONFORMITY



Distribution:

Audio Design Lautsprecher Vertriebs GmbH
Am Breilingsweg 3, DE-76709 Kronau/Deutschland

The Audio Design Lautsprecher Vertriebs GmbH hereby declares that the device **VMX1201DAB** 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

SCOPE OF DELIVERY

- 1 x Main device with attachable display
- 1 x 1-DIN metal mounting frame including screw set and mounting rail
- 2 x Metal bracket
- 2 x Unlocking tool
- 1 x 20-pin system plug with ISO connection
- 1 x 16-pin ISO double connector with open cable ends
- 1 x Analog steering wheel remote control adapter
- 1 x External microphone including holder
- 1 x Active DAB Antenna
- 1 x DAB Antenna adapter Fakra on SMB
- 1 x GPS antenna including adhesive pad
- 2 x User Manual (English/German)

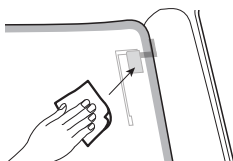
1. CONNECTIONS & INSTALLATION

The following instructions are an installation aid for professional installation of the device. Please note the following information before installation:

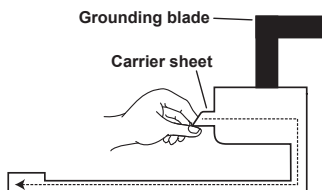
- Always handle all parts of the device and the components of your vehicle with care.
- Under all circumstances observe the regulations of the vehicle manufacturer and do not make any changes to the vehicle which could impair driving safety.
- For safety reasons, disconnect the vehicle battery's ground connection before installation.
- Please always pay attention to the correct polarity of the connections.
- Please do not modify any harnesses or connections of the device or the vehicle.
- Make sure that no cables are squashed or cause a short circuit.
- Do not lay cables in front of the airbags, e.g. in the dashboard or in a way that affects their function.

DAB antenna

Route the DAB antenna to the windshield and attach it there.



A.) Clean the windshield with a suitable cleaning cloth.



B.) Remove the carrier sheet from the black amplifier unit and the foil antenna and stick the antenna onto the window. Stick the copper-colored metal surface of the grounding blade to a bare metal part of the vehicle.

IMPORTANT NOTE:

In newer vehicles, the original vehicle antenna can usually be used for both analogue (FM/AM) and digital radio reception (DAB). If it does not have separate connections for FM/AM and DAB, a separately available antenna splitter must be used so that both connections on the ESX device can be used.

GPS antenna

The GPS antenna should be glued horizontally to the dashboard with the adhesive side down. Reception is not possible with a metal-coated pane. Choose a level spot with a clear view of the sky.



Remove the foil on the bottom of the GPS antenna

External microphone

The external microphone should be positioned in an easily accessible place, e.g. next to the sun visor or on the steering column.

USB port

Route the USB ports to the desired location, such as the glove box.

1. CONNECTIONS & INSTALLATION

Please note the following steps when installing the device:

- 1 Original radio / navigation system**
If available, first remove the original radio / navigation device. Use suitable unlocking tools to pull the device out of the dashboard. Then pull the cable plug from the device and leave it accessible in the radio slot.
- 2 Cabling of the ESX main device**
Lay the supplied cable sets and antennas in the vehicle. Please note the information on the next page. Then connect all cable sets, antennas and dongles to the ESX main device as described on page 10/11. Then plug in the cable plug from the radio slot of the vehicle on the ESX main device or on its vehicle-specific system cable set.

- 3 Installation of the ESX main device**
Now the main device can be inserted into the 1-DIN radio slot of the vehicle.



The included 1-DIN metal mounting frame features several bendable metal tabs for adapting to the installation situation or radio slot. The other included metal parts can also be used for individual adjustments if needed.

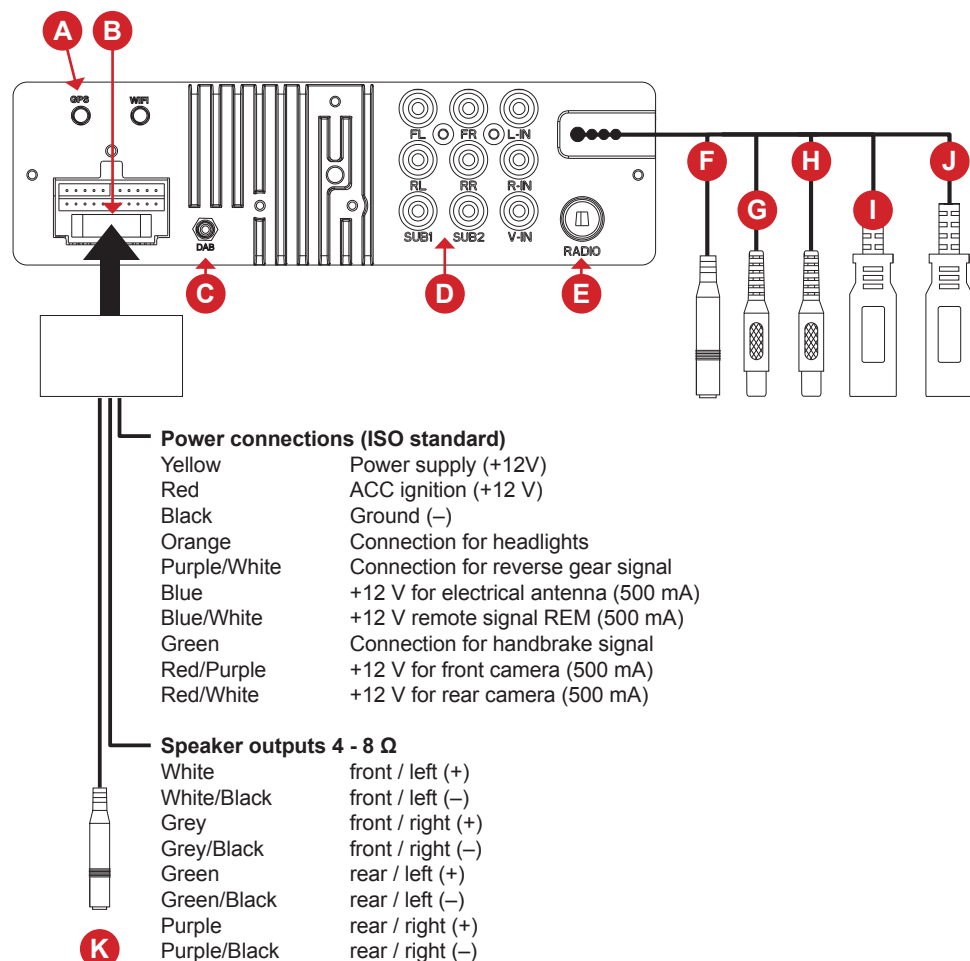
First, bend the front **metal tabs A** inwards on both sides to secure the main device. Alternatively, the main device can be mounted 17 cm deeper in the radio slot. To do this, bend **metal tabs A** outwards and **metal tabs B** inwards. In this case, the black trim panel and the two plastic tabs on either side of the main device must be removed. The other metal tabs are used to secure the metal mounting frame in the radio slot. To release the main device during removal, you can use the two included unlocking tools.

- 4 Display assembly**
Finally, insert the display unit into the main device. You can unlock the display unit again using the two buttons to the right and left of it. The display unit is also height-adjustable. To adjust it, slide the display unit up or down with a little force until the bracket clicks into the desired position.



- 5 Functional test**
Before you complete the installation, you should perform a function test. Check all functions of the ESX Naviceiver including the steering wheel remote control of the vehicle.

1. CONNECTIONS & INSTALLATION



If your vehicle does not have a suitable ISO system plug, you must use the included 16-pin ISO double plug and connect the corresponding connections to the open cable ends as described above.

⚠ IMPORTANT NOTE:

The handbrake signal must be connected to the device and must be grounded when the handbrake is applied. According to legal regulations, the device may only display a video signal on the main screen when the handbrake is applied. The connection cable must therefore not be permanently connected to ground.

1. CONNECTIONS & INSTALLATION

A Connection for the included GPS antenna

B Fuse 15A (In the event of a defect, only exchange it for an equivalent one)

C Connection for the included DAB antenna

The active DAB antenna is equipped with phantom power; this means you must connect the antenna's black wire to the +12V power supply (e.g., to the blue wire of the ISO adapter for the electric antenna).

D AV-Connections

If necessary, connect the appropriate RCA plugs here:

FL (white)	Pre-amplifier output front / left
FR (red)	Pre-amplifier output front / right
RL (white)	Pre-amplifier output rear / left
RR (red)	Pre-amplifier output rear / right
SUB1 (blue)	Pre-amplifier output subwoofer
SUB2 (blue)	Pre-amplifier output subwoofer
L-IN (white)	Audio input AUX / left
R-IN (red)	Audio input AUX / right
V-IN (yellow)	Video input AUX

E Connection for the vehicle's antenna plug (an adapter may be required)

F Ø 3.5 mm jack for the included external microphone

G RCA connection for the input signal of the rear camera

H RCA connection for the input signal of the front camera

I USB port for Apple CarPlay®, Android Auto™ and media with charging function 1.5A

J USB port for media with charging function 1.5A

K Ø 3.5 mm jack for the included steering wheel remote control adapter

If necessary, connect the appropriate cables to the adapter here:

SWC Gnd (yellow)	Ground connection of the analog steering wheel remote control
SWC 1 (grey)	Connection of the analog steering wheel remote control / left
SWC 2 (red)	Connection of the analog steering wheel remote control / right

You can then teach the corresponding function keys on your analogue steering wheel remote control in the device. More about this on page 15.

2. CONTROL ELEMENTS

2.1 FUNCTION BUTTONS & CONTROLS



Symbol	Function	Description
	Voice assistant	Press here to activate the voice assistant of your connected smartphone.
	Phone	Press here to open the Phone app, answer a call, or end a call.
	Dimmer	Press here to decrease or increase the screen brightness. Press and hold the button to switch off the screen without switching off the device.
	Previous	Press to play the previous track during media playback or to go to the previous station during radio playback.
	Volume	Turn the knob to adjust the volume.
	Mute	Press short to activate mute.
	Stand-by	Press and hold the button to switch the device to standby mode.
	Next	Press to play the next track during media playback or to switch to the next station during radio playback.
	CarPlay or Android Auto	Tap to open CarPlay or Android Auto if the device is connected to a smartphone.
	Home menu	Press short to go to the home menu.
	Camera	Press here to access the camera view. There you can switch between the front and rear camera.

Reset: If the device no longer responds to inputs, you can reset the device using the small opening below the display. Press the button for more than 3 seconds to restart the system and reset it to factory settings. All your settings will be lost during the reset. Use a suitable pointed object, such as a paper clip, to do this.

2. CONTROL ELEMENTS

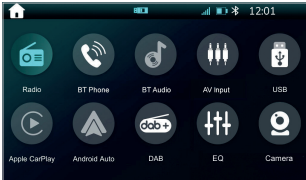
2.2 MAIN MENUS

This device features a very user-friendly menu that you can operate by simply tapping or swiping. More information about the individual applications and functions of the device can be found from page 21 onwards.

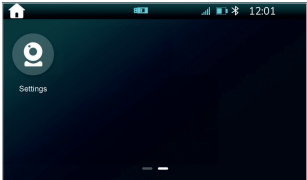
Start menu



App menu 1



App menu 2



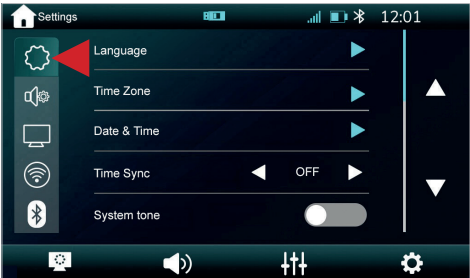
2.3 STATUS BAR

The device's status bar is located at the top of the screen. The information and symbols displayed there have the following meanings:

Symbol	Function	Description
	Start menu	Tap it to go to the start menu.
	CarPlay	Tap to open CarPlay if the device is connected to a smartphone.
	Android Auto	Tap to open Android Auto if the device is connected to a smartphone.
	Time	Current time.
	Datum	Current date.
	USB medium	This symbol appears as soon as a USB medium is connected to the device.
	Signal strength	This displays the current signal strength of the mobile network connection of the smartphone connected to the device. This symbol disappears if a connection with CarPlay or Android Auto is active.
	Battery charge level	This displays the current battery level of the connected smartphone. This icon disappears if a connection with CarPlay or Android Auto is active.
	Bluetooth	This symbol appears as soon as the device is connected to a smartphone via Bluetooth. This symbol disappears if a connection with CarPlay or Android Auto is active.

3. SETTINGS

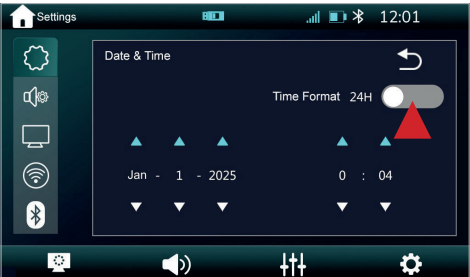
3.1 GENERAL



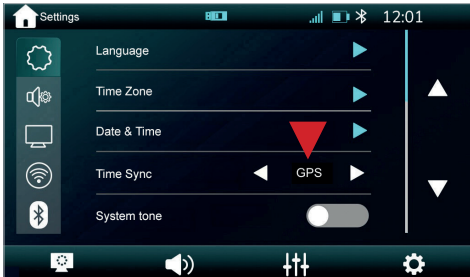
The device settings can be changed under **Settings**.



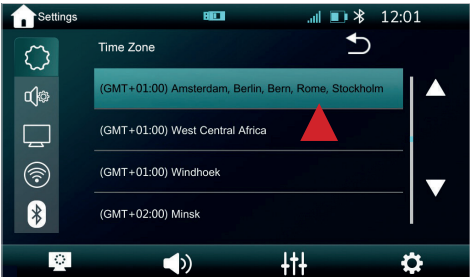
Under **Language**, you can set the menu language.



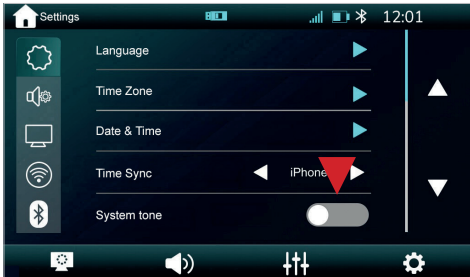
With **Date & Time** you can manually set the time format (12H/24H) as well as the date and time.



Time Sync allows you to synchronize the current time and date display via GPS. Synchronization is also possible via a paired smartphone.



In **Time Zone**, you can set your desired time zone if you wish to change the automatically determined one. This menu is not available if you enter the time zone manually.



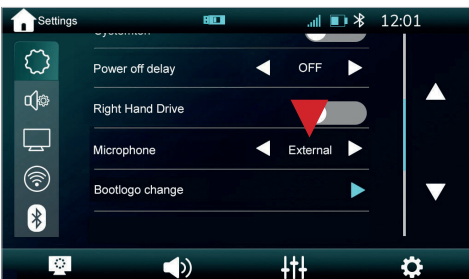
The slider next to **System Tone** activates the acoustic confirmation tone, which sounds as soon as you tap one of the controls.

3. SETTINGS

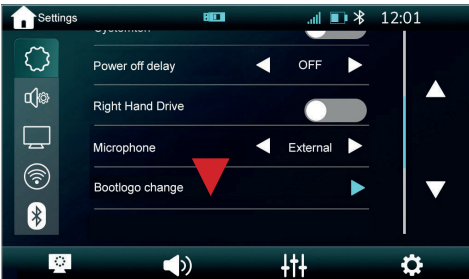
3.1 GENERAL



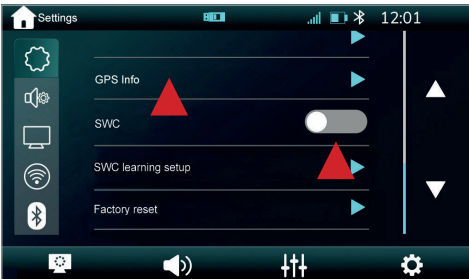
Next to **Power off delay**, you can use – / + to set the number of seconds for how long the device should remain switched on after the ignition is turned off.



Next to **Microphone**, select External for the microphone on the windshield.



Under **Bootlogo change** you can save your own boot logo. To do this, save a JPG (1024 x 600 px) with the file name **changelogo.jpg** in the root directory of the connected USB stick (max. 32 GB).



With **GPS Info** you will find further information about the available GPS satellites for determining the device's position. If you wish to program the steering wheel controls, deactivate **SWC**.



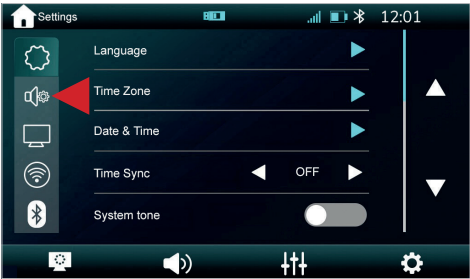
If your steering wheel remote control has been correctly connected to the device, you can teach the individual functions to the device under **SWC learning setup**. As soon as you have assigned all functions, leave the menu with **Confirm**.



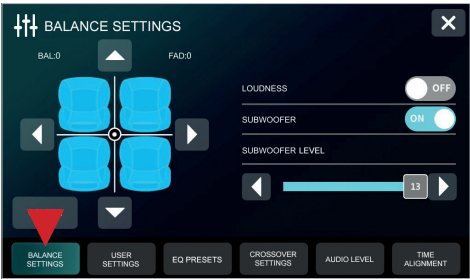
Under **Factory reset**, you can reset the device to its factory settings. This will delete all saved parameters, settings, and data.

3. SETTINGS

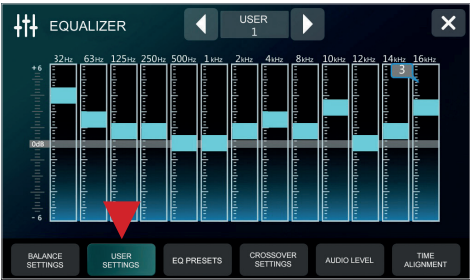
3.2 AUDIO



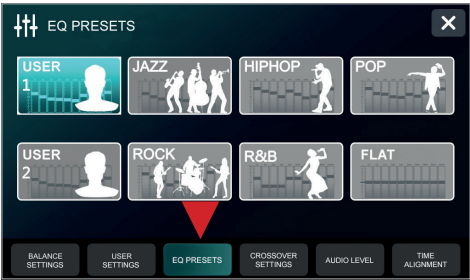
In the Settings, tap the **speaker icon** on the left.



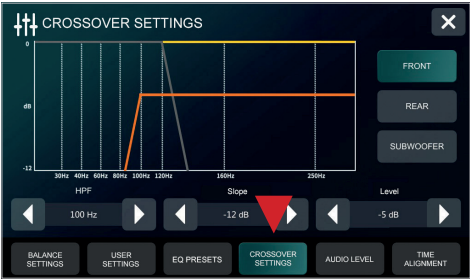
Under **BALANCE SETTINGS** you can adjust the acoustic stage. To the right of that you will find the subwoofer settings, if you are using a subwoofer with the device.



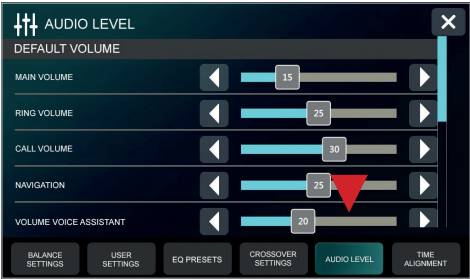
With **USER SETTINGS** you can manually adjust the 13-band equalizer settings or select one of the presets using the **</>** buttons.



Under **EQ PRESETS** you can select one of the preset sound profiles.



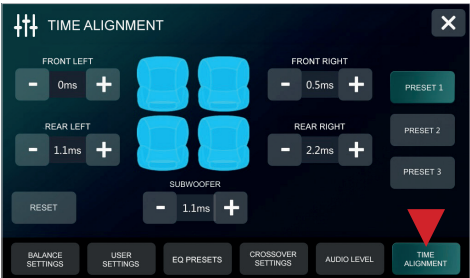
With **CROSSOVER SETTINGS** you can freely adjust the crossover frequency, slope and boost for the front, rear and subwoofer channel pairs.



Under **AUDIO LEVEL** you can adjust and set the levels for individual applications and signal sources as desired.

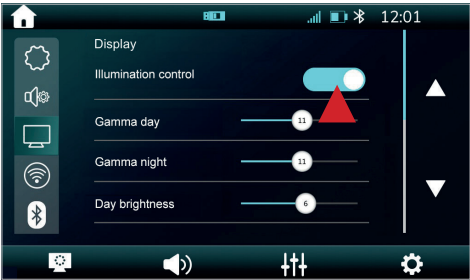
3. SETTINGS

3.2 AUDIO

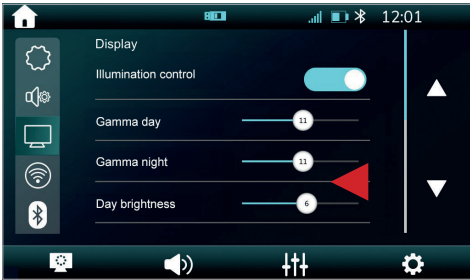


With **TIME ALIGNMENT** you can adjust the time delay for each speaker and the subwoofer. To the right of this you will find **PRESETS 1-3**, which you can assign.

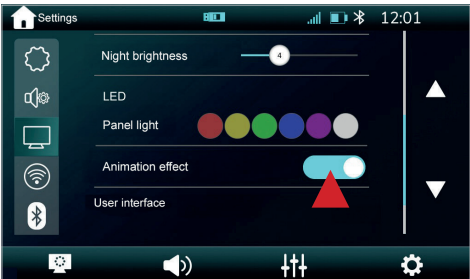
3.3 DISPLAY



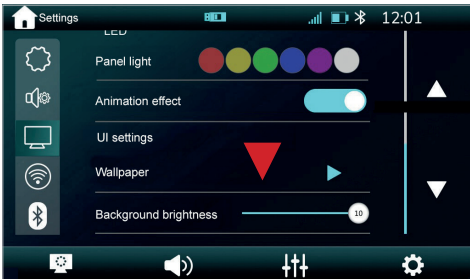
With **Illumination control** activated, you can control the day and night light modes via the connected low beam signal.



The following four controls allow you to adjust the brightness and gamma value of the display separately for day and night.



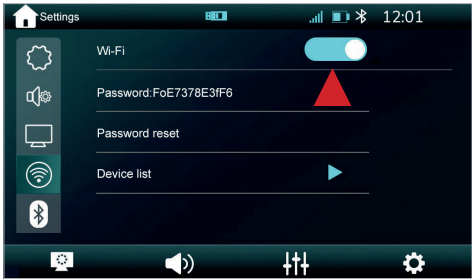
At **LED panel light**, you can set the color of the key panel and ambient illumination. With the animation effect activated, the illumination colors change continuously.



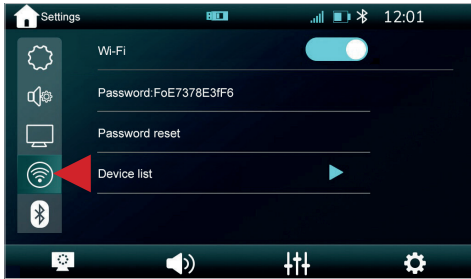
Under **Wallpaper** you can choose a different background graphic and adjust its brightness.

3. SETTINGS

3.4 WI-FI



In **Wi-Fi**, you can turn the Wi-Fi function on or off. This function is required for Apple CarPlay and Android Auto. It is also possible to create a Wi-Fi hotspot for other devices.



With **Password reset**, you can delete and reset the device's password. In the **Device List**, you can select a compatible smartphone to connect to the device. You can also delete previously registered devices there.

3.5 BLUETOOTH



You can connect your smartphone to the device via **Bluetooth** for hands-free calling. This function is also required for Apple CarPlay and Android Auto.

If necessary, grant the required permissions on your smartphone.



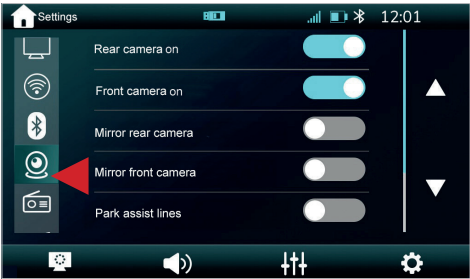
With **Auto connect** and **Auto answer**, you can specify whether your smartphone should automatically connect to the device after a restart and whether calls should be answered automatically. Under **Clear the Bluetooth device records**, you can delete previously registered devices.

⚠ IMPORTANT NOTE:

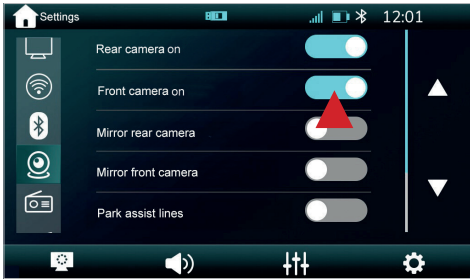
1. To ensure a secure Bluetooth connection, you should be in a safe and non-public location.
2. Do not start the initial connection while driving, otherwise the driver could be distracted.

3. SETTINGS

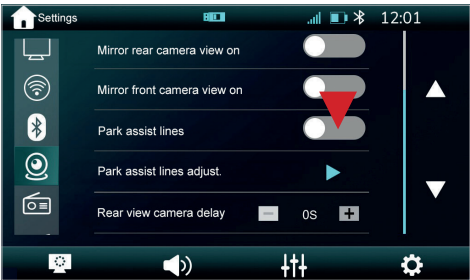
3.6 CAMERA



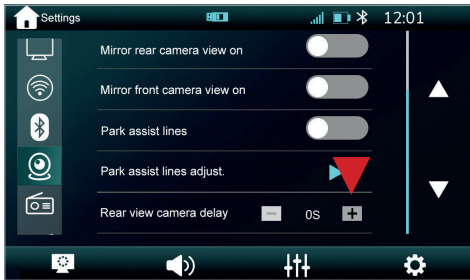
In section **Camera** you can adjust various settings for the connected cameras.



Here you can turn on the rear or front camera, or mirror its view.



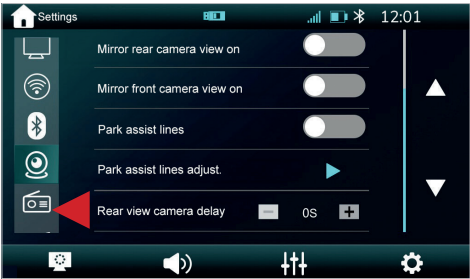
The slider next to the **Park assist lines** allows you to activate the rear camera's guide lines. You can adjust these guidelines using the **Park assist lines adjust**.



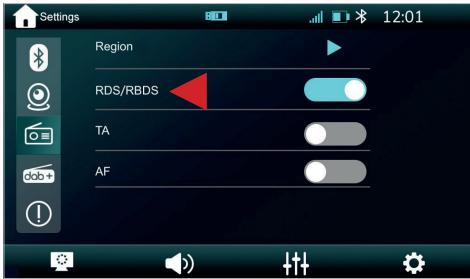
In addition to **Rear view camera delay**, you can use + to set the delay in seconds with which the reversing camera will be displayed on the screen when reverse gear is engaged.

3. SETTINGS

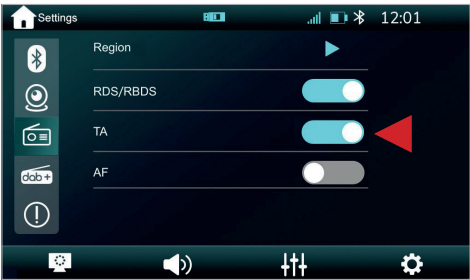
3.7 RADIO



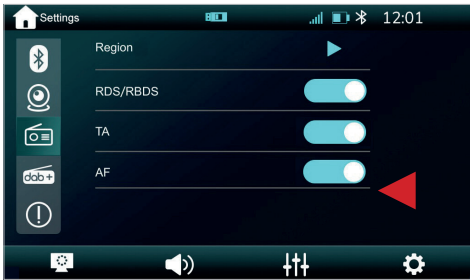
In section **Radio** you can adjust various settings for analog radio reception.



Under **Region**, you can define the reception area. **RDS/RBDS** enables the transmission of additional information or announcements from radio stations.



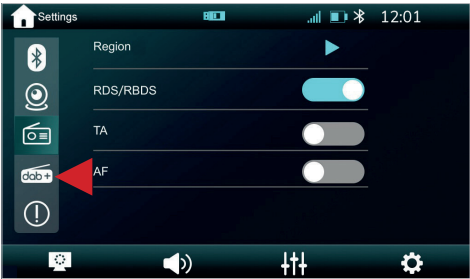
If **TA** is activated, you allow traffic announcements from the last FM station you listened to while other media is playing.



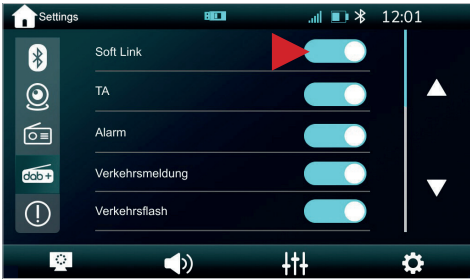
With **AF**, the radio switches to an alternative, better frequency of the transmitter in the network if the received signal is too weak and an alternative frequency is available.

3. SETTINGS

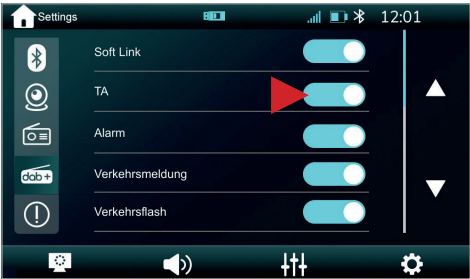
3.8 DAB



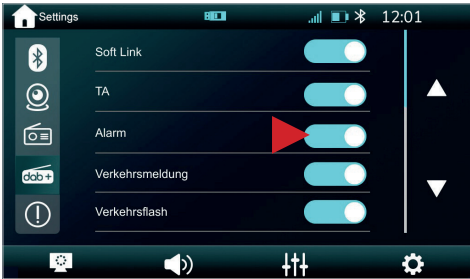
In section **DAB** you can make various settings for digital radio reception.



In addition to **Soft Link**, you can enable automatic switching to a similar program on another channel when reception becomes weak.



If **TA** is activated, you allow traffic announcements from the last DAB station you listened to while other media is playing.



Below you can activate further options for DAB reception.

3.9 ABOUT



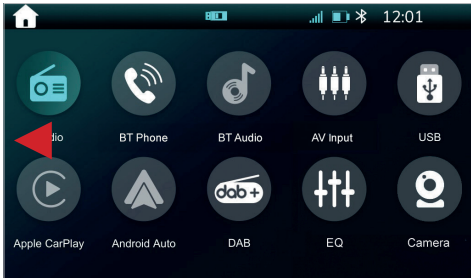
Next to the **exclamation mark symbol**, you will find various information about the device.

4. APPLICATIONS & FUNCTIONS

4.1 START & APP MENUS



In the **start menu**, you'll find the basic applications such as **Apple CarPlay**, **Android Auto**, **AM/FM radio**, **DAB** and **Phone** in the bottom navigation bar. You can open the two app menus in the bottom right corner.



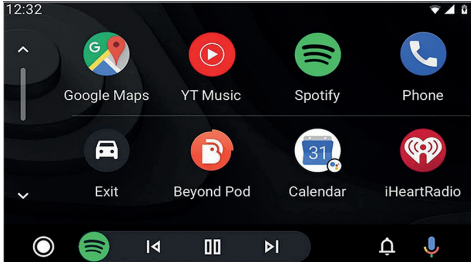
You'll find more applications and functions in the app menus. Swipe left to display **app menu 2**.

4.2 APPLE CARPLAY & ANDROID AUTO



In order to use **Apple CarPlay**, you must first connect your iPhone to the device using a USB charging cable or Bluetooth (see page 18). Bluetooth and Wi-Fi must be activated on both devices. You may still need to activate the CarPlay function for this connection in your iPhone.

If you have enabled **Auto Connect** in the Bluetooth settings (see page 18), your iPhone will connect automatically every time until you delete the iPhone's registration or turn off CarPlay. To exit the CarPlay menu, tap **Exit**.



In order to use **Android Auto**, you must first connect your smartphone to the device using a USB charging cable or Bluetooth (see page 18). Bluetooth and Wi-Fi must be activated on both devices. You may still need to install the Android Auto app and activate it for this connection.

If you have enabled **Auto Connect** in the Bluetooth settings (see page 18), your smartphone will connect automatically every time until you delete the phone's registration or turn off Android Auto. To exit the Android Auto menu, tap **Exit**.

⚠ IMPORTANT NOTE:

Please note that using some apps requires a mobile internet connection and may result in high data consumption.

4. APPLICATIONS & FUNCTIONS

4.3 RADIO



With **BAND** you can switch between **FM (VHF)** and **AM (long wave)**. Each band has several station presets, which are listed below.



Perform a channel scan for each band. Press and hold **AS/PS** to start the search. This process (AS) may take a few minutes depending on reception conditions.



After a successful station scan, you can select the found radio stations using the two arrow keys: **left (down)** and **right (up)**. Briefly tapping **AS/PS** again will play a short preview of each found radio station.



The currently playing radio station can be saved to the **favorites bar** at the bottom. Press and hold the desired position and the radio station will be saved as a favorite.



With **LOC/DX** you can switch between weak and distant (DX) and stronger local (LOC) radio stations.



With **Stereo**, you can switch a weak station to mono. Further radio options and the station category search can be found under **LIST**.

4. APPLICATIONS & FUNCTIONS

4.4 DAB



First, perform an auto scan by tapping the **magnifying glass icon**. This process may take a few minutes depending on reception conditions.



After a successful auto scan, you can select the found radio stations using the two **arrow keys left (down) and right (up)**.



Tapping the **list icon** opens the list of found radio stations, which can then be selected individually.



The currently playing radio station can be saved to the **favorites bar** at the bottom. Press and hold the desired position and the radio station will be saved as a favorite.



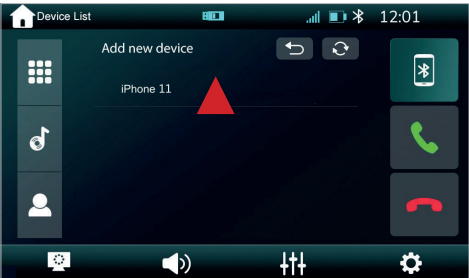
Under **PTY** you can select the desired channel category for the channel search.



Under the **gear icon**, you will find further options for DAB reception.

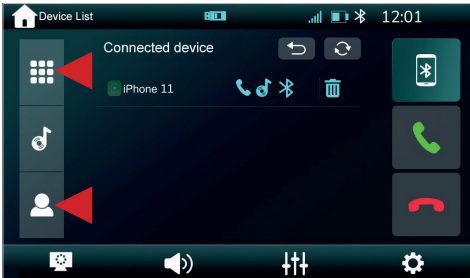
4. APPLICATIONS & FUNCTIONS

4.5 BT PHONE



Tapping on **BT Phone** in the start menu opens the hands-free menu. If necessary, agree to synchronize your contacts and call logs with your phone.

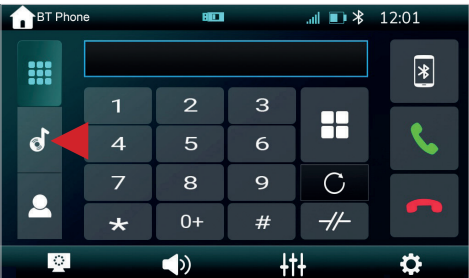
Apple CarPlay or **Android Auto** cannot be used simultaneously with the hands-free function. One of the two functions must be deactivated if needed.



If your phone is not yet connected to the device via Bluetooth, please follow the instructions on page 18 or select your phone from the displayed device list. Make sure Bluetooth is enabled on your phone.

Once the device is connected to your phone, you can tap the **keypad** or **contacts** on the left-hand sidebar. You will also find your phone's call history there.

4.6 BT AUDIO

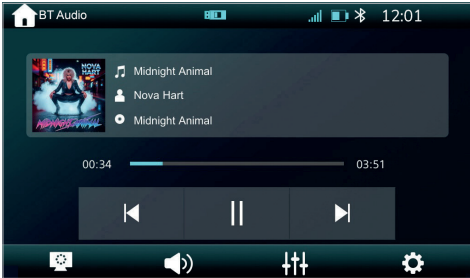


Tap the **music icon** or **BT Audio** in the app menu 1 to open the Bluetooth Audio Streaming application.

If your phone is not yet connected to the device via Bluetooth, please follow the instructions on page 18.

⚠ IMPORTANT NOTE:

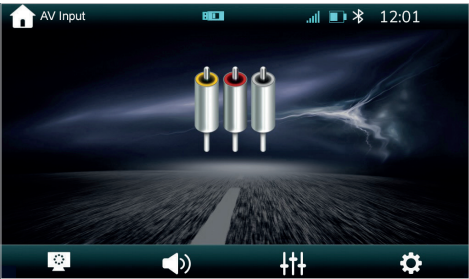
- 1. To ensure a secure Bluetooth connection, you should be in a safe and non-public location.
- 2. Do not start the initial connection while driving, otherwise the driver could be distracted.



The controls and playback options for BT audio playback are located on the lower control bar.

4. APPLICATIONS & FUNCTIONS

4.7 AV INPUT



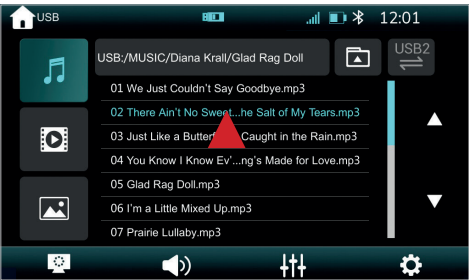
By tapping **AV Input** in the app menu 1, you activate playback from external audio or video sources connected to the AV and AUX inputs.

You must control playback using the external audio or video device..

⚠ IMPORTANT NOTE:

No videos or moving images may be played while driving, otherwise the driver could be distracted.

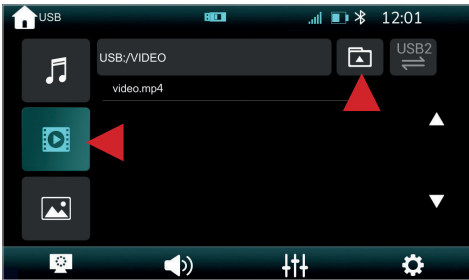
4.8 USB



Tapping **USB** in app menu 1 opens the USB Media Player, which allows you to play compatible media such as music, videos, and photos stored on a USB drive connected to the device.

The media player controls and playback options are located on the bottom bar after playback has started.

Compatible file formats: **AVI, FLV, MOV, MKV, WMV, WMA, MP3, FLAC, JPEG, PNG, BMP**

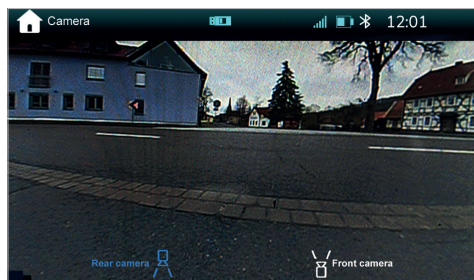


In the USB file manager, you can choose between different media types such as music, photos, or videos.

Using the **folder icon** at the top, you can access the directory structure of the connected USB drive.

4. APPLICATIONS & FUNCTIONS

4.10 CAMERA



Tapping **Camera** in app menu 2 opens the camera view if you have a rear or front camera connected to the device. You can also push the camera key on the front panel of the device to display this view.

If you have two cameras connected, you can select the desired view from the control bar at the bottom.

Please refer to page 19 for information on camera settings.

If no camera is connected, this view displays **No Signal**.



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