

V1.3

OWNER'S
MANUAL



CAR MEDIA SYSTEMS



VMX751 DAB

**17,8 CM [7"] MEDIA MONICEIVER
FOR VOLKSWAGEN, SEAT & ŠKODA**



Works with
Apple CarPlay



works with
androidauto

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IMPORTANT NOTE:

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

This device is compatible with the following vehicles:

Volkswagen with PQ platform (VW-PQ Quadlock)

Amarok I (2010-2016)
Beetle II (2011-2015)
Caddy (2003-2014)
CC (2008-2016)
Eos (2006-2015)
Golf V (2003-2008)
Golf V plus (2004-2014)
Golf VI (2008-2012)
Jetta V (2005-2010)
Jetta VI (2010-18)
Passat B6 (2005-2010)
Passat B7 (2010-2014)
Polo V (2009-2014)
Scirocco III (2008-2014)
Sharan II (2010-2014)
T5 (2009-2015)
Tiguan I (2007-2015)
Touran I (2003-2015)

Note: Possible limitations with steering wheel remote control, climate control display and/or MFA display.

Volkswagen with MIB2PQ platform (VW-MBQ Power Quadlock)

Beetle II Facelift (2016-2019)
Caddy IV Facelift (2015-2020)
Golf Cabrio VI (2015-2016)
Sharan II (2015-2022)
Touran II (2015-2026)
T6 (2015-2024)

Note: Possible limitations may apply to certain vehicle features.

Seat with PQ platform (VW-PQ Quadlock)

Alhambra II (2010-2015)
Altea (2004-2015)
Altea XL (2006-2015)
Leon 1P (2005-2012)
Toledo (2004-2013)

Note: Not compatible with vehicles equipped with original MIB radio (from model year 2014+).

Škoda with PQ platform (VW-PQ Quadlock)

Octavia II** (2004-2009)
Octavia II Facelift*** (2009-2013)
Superb II (2008-2015)
Yeti*** (2009-2017)
Fabia II (2007-2014)

** with limitations for Octavia II RS with sound system

*** a suitable frame may be required.

All information without guarantee.



Please be sure to refer to Section 1.3, „CAN Bus Activation,“ on page 12.

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

- Media Moniceiver with 7-Zoll touchscreen, suitable for Volkswagen, Seat & Škoda incl. Quadlock and Power Quadlock adapter with CAN-bus decoder
- Compatible with Apple CarPlay® or Android Auto™ (wireless and USB)
- GPS receiver for optimized position determination in navigation applications
- DAB digital radio with station logos (incl. active DAB antenna)
- FM/AM radio with RDS function
- Bluetooth® hands-free function including audio streaming
- USB-C or USB-A port with charging function (1.5 A)
- USB-A port for media players (audio, video and photo) with charging function (1.5 A)
- 4 x 80 watts max. music output
- 13-band equalizer with adjustable time delay for each channel
- RCA preamplifier outputs with 4 V (FL / FR / RL / RR / SUBWOOFER)
- RCA AUX inputs (L/R/VIDEO)
- RCA camera inputs(FRONT/REAR)
- Custom boot logoo
- Selectable RGB key panel illumination with animation effect
- Internal microphone and two external microphones (for the windshield or for standard installation on the interior light)
- Supported factory components: Steering wheel remote control, MFA display, PDC, Climatronic, vehicle data (possibly with limitations)

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 **VMX751DAB** 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
- 2 x 16-pin Quadlock adapter (Quadlock Standard or Quadlock Power)
- 1 x 20-pin wiring harness for AV connections
- 1 x 10-pin wiring harness for camera connections
- 1 x External microphone incl. holder for windshield
- 1 x External microphone for standard installation on the interior light
- 1 x Microphone adapter for factory microphone
- 2 x 4-pin Adapter with USB port for CarPlay or Android Auto (USB-A or USB-C socket)
- 1 x 4-pin Fakra adapter for the factory-installed USB port
- 1 x 6-pin wiring harness with USB connector for media player (USB-A) and Ø 3.5 mm jack socket
- 1 x Antenna adapter with phantom power for factory-installed antenna
- 1 x Active DAB antenna including adhesive pad
- 1 x GPS antenna including adhesive pad
- 2 x Owner's manual (English and German)

1. CONNECTIONS & INSTALLATION

1.1 INSTALLATION NOTES

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 as this may affect the warranty.
 - 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.
-

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 6. Then plug in the cable plug from the radio slot of the vehicle on the ESX main unit or on its vehicle-specific system cable set.
 - 3 Installation of the ESX main device**
Now the ESX main device can be inserted into the 2-DIN installation slot of the vehicle.
 - 4 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.
-

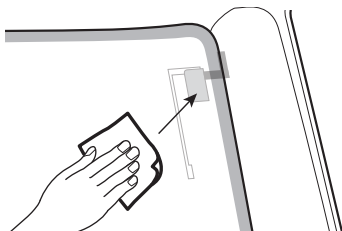
USB ports

Route the USB ports to the desired location, such as the glove compartment, or, if necessary, connect the factory USB port to the ESX device using the included USB adapter.

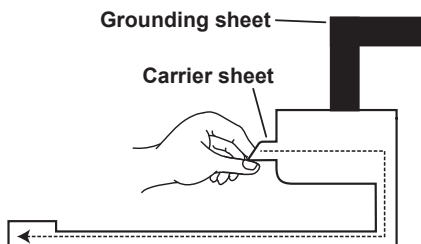
1. CONNECTIONS & INSTALLATION

DAB antenna

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



Clean the windshield with a suitable cleaning cloth.



Remove the carrier sheet from the black amplifier unit and the foil antenna and stick the antenna onto the window.

Glue 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.



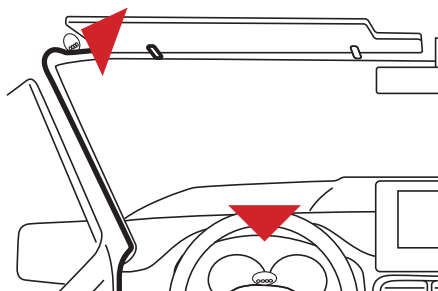
Remove the foil on the bottom of the GPS antenna

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.

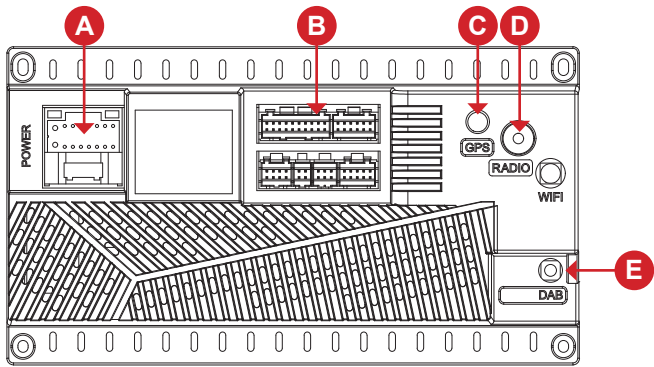
Alternatively, you can use the other external microphone included for standard installation at the interior light.

For instructions on activating an external microphone, see page 17.



1. CONNECTIONS & INSTALLATION

1.2 CONNECTIONS



A Connection for the Quadlock adapter

The package includes two vehicle-specific Quadlock adapters, one of which you must plug in here into the device.

To determine the correct Quadlock adapter for your vehicle, refer to the compatibility list on page 3 at the front of the package. Connect the appropriate Quadlock adapter to the included CAN bus decoder (black box) using the 16-pin white connector.

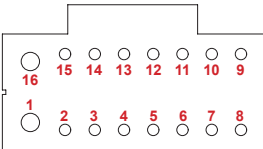
1.) Quadlock Standard adapter:

The red and blue cables do not need to be connected in European vehicles.

2.) Quadlock Power adapter with 3 RCA connectors and the connection for the factory AUX input. The white 8-pin connector also attached to it must be connected to connector B in the lower left corner..

CAMERA (yellow)	Must be connected to CAMERA-R (yellow) - see B
AUX IN L (white)	Must be connected to AV IN (white) - see B
AUX IN R (red)	Must be connected to AV IN (red) - see B
Socket black)	Must be connected to the appropriate connector of the vehicle.

The A port on the ESX device is configured as follows:



1. Battery (+12V)	5. Speaker RL-	9. Speaker FL+	13. Key 1 (SWC)
2. Low beam	6. Speaker RL+	10. Speaker FL-	14. Reverse signal
3. Key 2 (SWC)	7. Speaker RR+	11. Speaker FR+	15. ACC ignition
4. Electric antenna	8. Speaker RR-	12. Speaker FR-	16. Ground

1. CONNECTIONS & INSTALLATION

B AV Connections

Plug in the included RCA and cable adapters with the white connectors here and connect them to the corresponding components.

20-pin connector with RCA jacks and cable:

FRONT L (white)	Pre-amplifier output front / left
FRONT R (red)	Pre-amplifier output front / right
REAR L (white)	Pre-amplifier output rear / left
REAR R (red)	Pre-amplifier output rear / right
SUBWOOFER (green)	Pre-amplifier output Subwoofer
VIDEO OUT 1 (yellow)	Video output 1
VIDEO OUT 2 (yellow)	Video output 2
AV IN VIDEO (yellow)	Video input
AV IN L (white)	Pre-amplifier input L
AV IN R (red)	Pre-amplifier input R
Blue Cable	+12V turn-on signal for external amplifiers or other devices

10-pin connector with RCA jacks and cable:

CAMERA-F (yellow)	Video input for front camera
CAMERA-R (yellow)	Video input for rear camera
Redes Cable	+12 V power supply for cameras
Rosa Cable	Connection for the handbrake signal from the vehicle (Video playback is only possible with the handbrake engaged.)

IMPORTANT NOTE:

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

6-pin connector with USB port and Ø 3.5 mm jack socket:

USB-A	USB port for connecting USB sticks (media player)
MIC	Connection for one of the two external microphones 1.) Microphone with bracket for installation on the windshield 2.) Microphone for installation on the interior light

4-pin connector for USB ports (CarPlay and Android Auto):

Fakra adapter	Use this adapter for the factory-installed USB port.
USB-A or USB-C	Use one of these two adapters as needed

C Connection for the included GPS antenna

D Connection for the antenna adapter

Use the included DIN>Fakra antenna adapter to connect the vehicle antenna to the device. The adapter is equipped with phantom power, meaning you must connect the blue ANT-C cable to the +12V power supply.

E Connection for the included DAB antenna

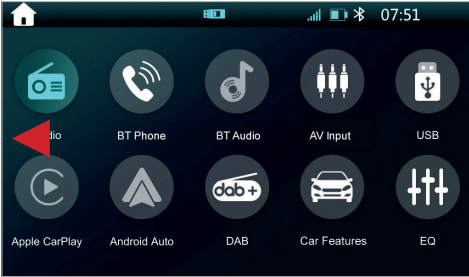
The active DAB antenna is equipped with phantom power; this means you must connect the antenna's black wire to the +12V power supply (e.g., to pin 4 of the Quadlock adapter for the electric antenna).

1. CONNECTIONS & INSTALLATION

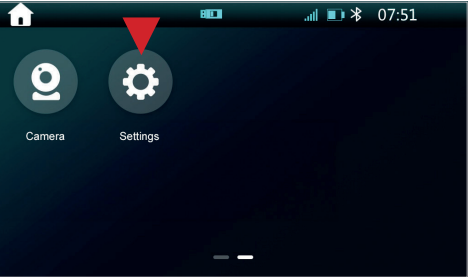
1.3 CAN-BUS ACTIVATION



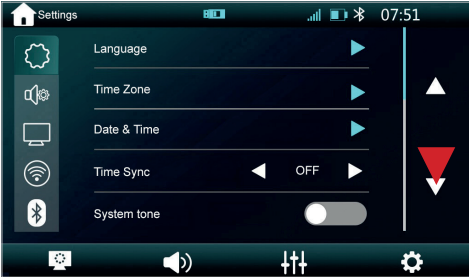
Tap the on the **app menu icon** at the bottom right of the **start menu**.



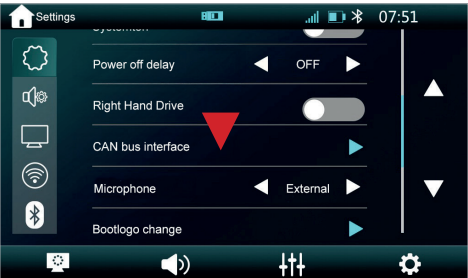
In **app menu 1**, swipe left.



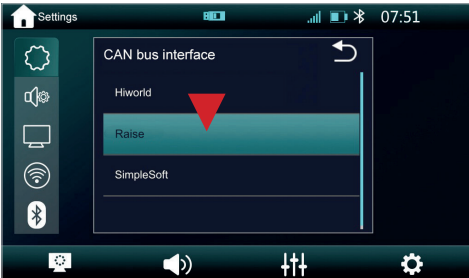
Tap on **Settings** in **app menu 2**.



In the **Settings**, scroll down to the middle of the menu.



Tap on **CAN bus interface**.

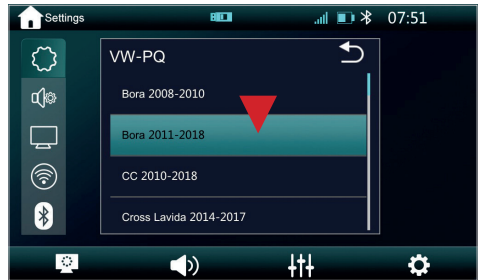


Select **Raise** (manufacturer of CAN bus decoder) here.

1. CONNECTIONS & INSTALLATION



Use the compatibility list on **page 3** to determine which Quadlock connector your vehicle has. Then tap **VW-MBQ** or **VW-PQ**.



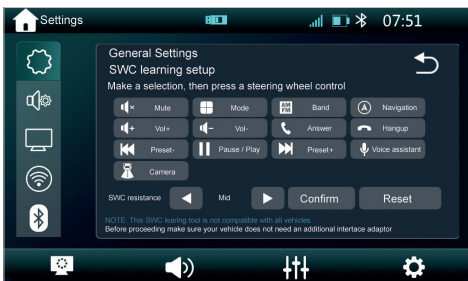
Next, select your vehicle and tap it to confirm.



Then tap **Connect**. The CAN bus interface is now activated.



If you do not have factory-installed steering wheel controls, you must deactivate **SWC fixed settings**. Afterwards, you can program them under **SWC learning setup**. For this to work, the **Key 1** and **Key 2** connections on the Quadlock adapter must be correctly connected (see p. 10).



If your steering wheel remote control is correctly connected to the device, you can program the individual functions here. Once you have assigned all functions, exit the menu by clicking **Confirm**.

2. CONTROL ELEMENTS

2.1 FUNCTION BUTTONS & CONTROLS



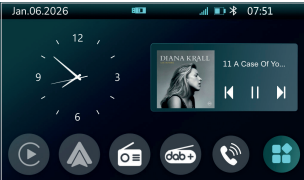
Number	Function	Description
1	RADIO	Starts the FM/AM radio application
2	MEDIA	Starts the media player
3	PHONE	Opens the Bluetooth hands-free system
4	TONE	Opens the audio settings menu.
5		Rotary control for main volume Short press activates mute Long press activates standby mode Short press deactivates standby mode
6	MIC	If you are not using an external microphone, the internal microphone can be used for phone calls (see p.17).
7	NAV	Open the navigation application of CarPlay or Android Auto.
8	BACK	Jumps back one menu step
9	MENU	Opens the start menu.
10	MODE	Jumps back one menu step
11	TUNE	Rotary knob for radio frequency or track selection, etc.
12	RST	If the device stops responding to input, you can perform a reset using the small opening below the display. Press and hold the button for more than 3 seconds, and the system will restart and be reset to factory settings. All your settings will be lost during the reset. Use a suitable pointed object, such as a paperclip, to perform the reset.

2. CONTROL ELEMENTS

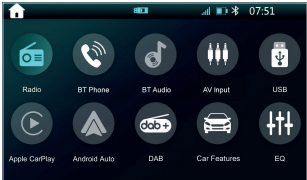
2.2 MAIN MENUS

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.

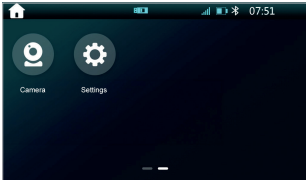
Start menu



App menu 1



App menu 2



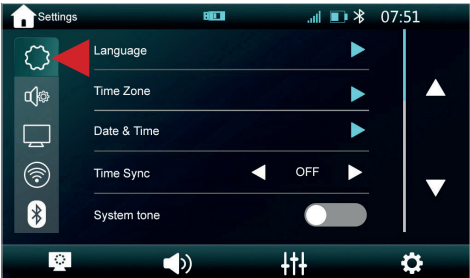
2.3 STATUS BAR

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

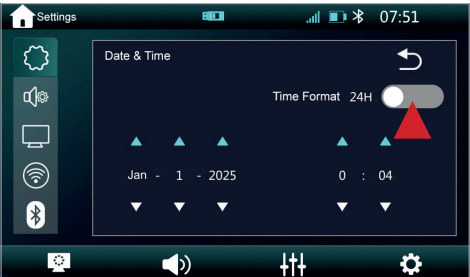
3.1 GENERAL



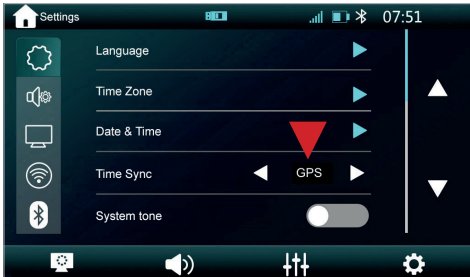
The device settings can be changed under **Settings**.



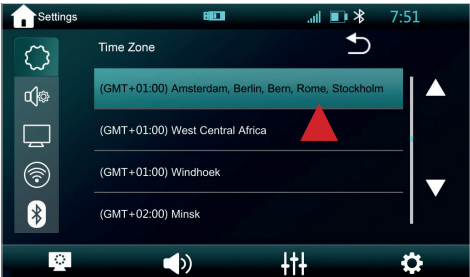
Under **Language**, you can set the menu language.



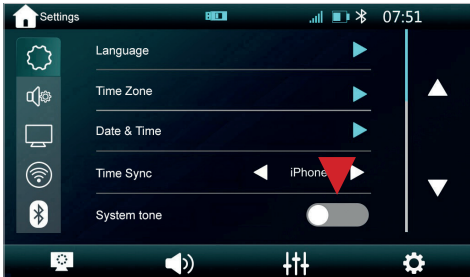
With **Date & Time** you can manually set the time format (12H/24H) as well as the date and time.



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



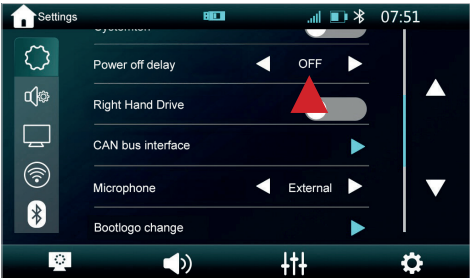
In **Time Zone**, you can set your desired time zone if you wish to change the automatically determined one. This menu is not available if you enter the time zone manually.



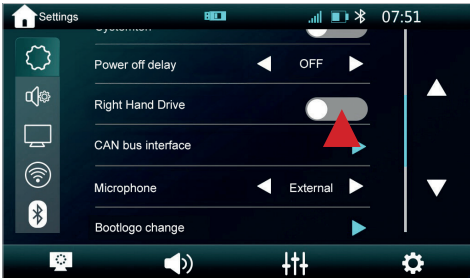
The slider next to **System Tone** activates the acoustic confirmation tone, which sounds as soon as you tap one of the controls.

3. SETTINGS

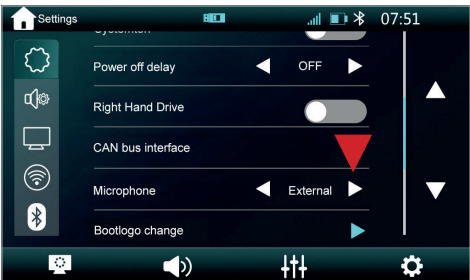
3.1 GENERAL



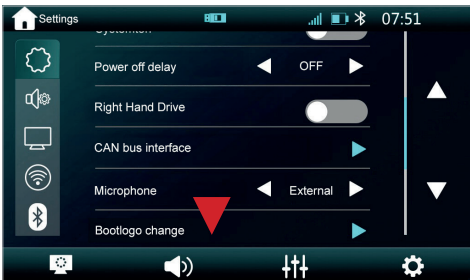
Next to **Power off delay**, you can use – / + to set the number of seconds for how long the device should remain switched on after the ignition is turned off.



With **Right Hand Drive** you can specify whether the vehicle's steering wheel is on the right.



Next to **Microphone**, you can select which microphone you want to use. Select External for the mic on the windshield or the one by the interior light. Select Internal if you want to use the mic on the front of the device next to the control knob.



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).



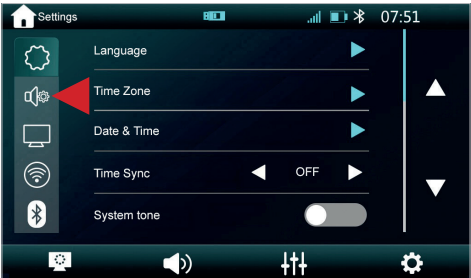
With **GPS Info** you will find further information about the available GPS satellites for determining the device's position.



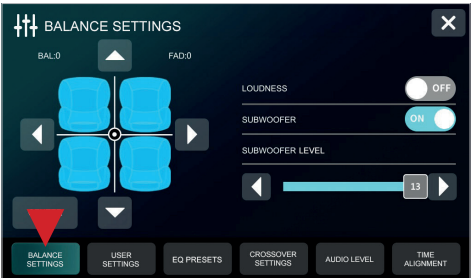
Under **Factory reset**, you can reset the device to its factory settings. This will delete all saved parameters, settings, and data.

3. SETTINGS

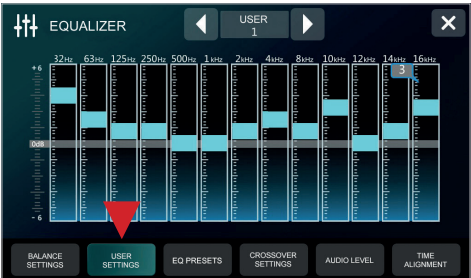
3.2 AUDIO



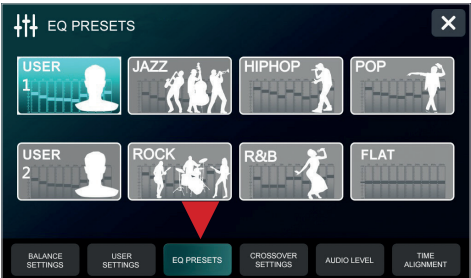
In the Settings, tap the **speaker icon** on the left.



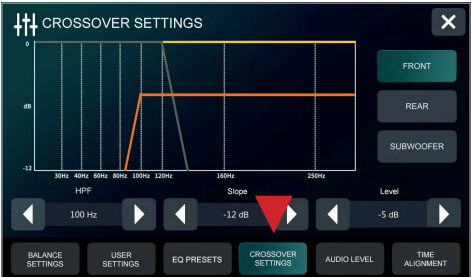
Under **BALANCE SETTINGS** you can adjust the acoustic stage. To the right of that you will find the subwoofer settings, if you are using a subwoofer with the device.



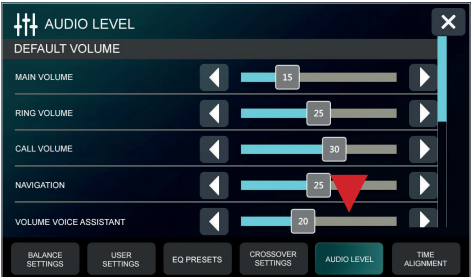
With **USER SETTINGS** you can manually adjust the 13-band equalizer settings or select one of the presets using the **</>** buttons.



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



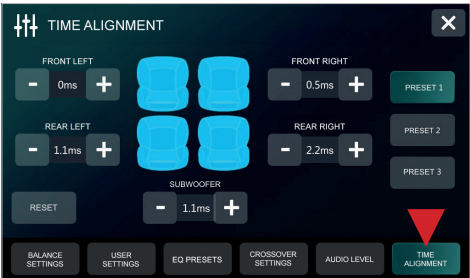
With **CROSSOVER SETTINGS** you can freely adjust the crossover frequency, slope and boost for the front, rear and subwoofer channel pairs.



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

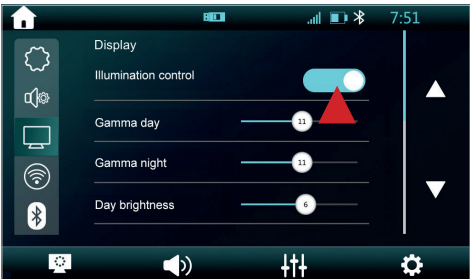
3. SETTINGS

3.2 AUDIO

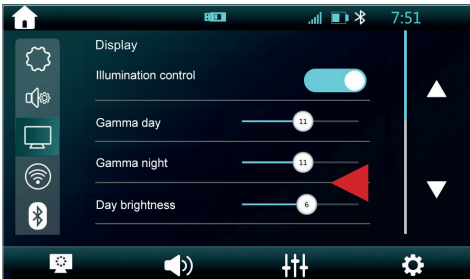


With **TIME ALIGNMENT** you can adjust the time delay for each speaker and the subwoofer. To the right of this you will find **PRESETS 1-3**, which you can assign.

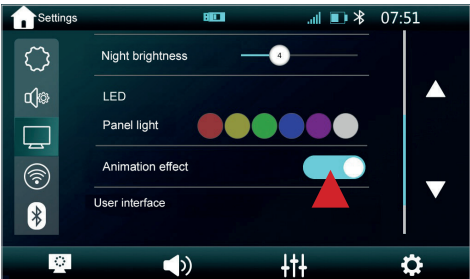
3.3 DISPLAY



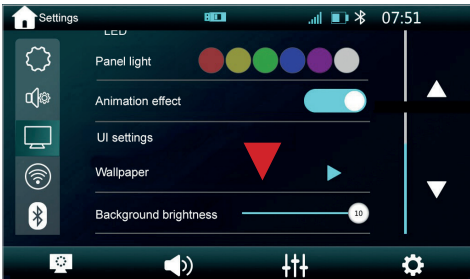
With **Illumination control** activated, you can control the day and night light modes via the connected low beam signal.



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



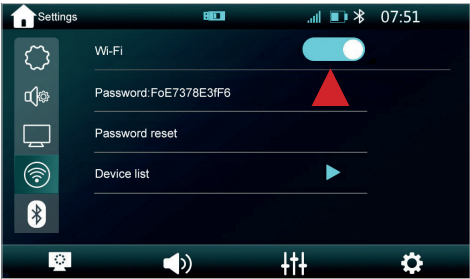
At **LED panel light**, you can set the color of the key illumination. With the animation effect activated, the key illumination colors change continuously.



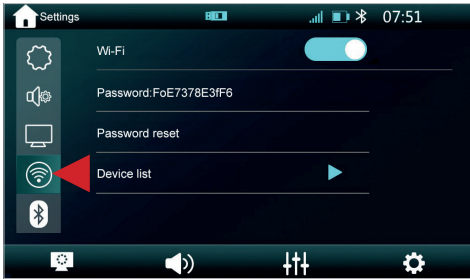
Under **Wallpaper** you can choose a different background graphic and adjust its brightness.

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.



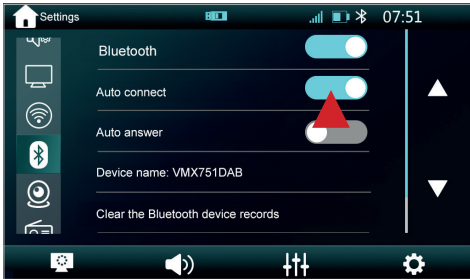
With **Password reset**, you can delete and reset the device's password. In the **Device list**, you can select a compatible smartphone to connect to the device. You can also delete previously registered devices there.

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.



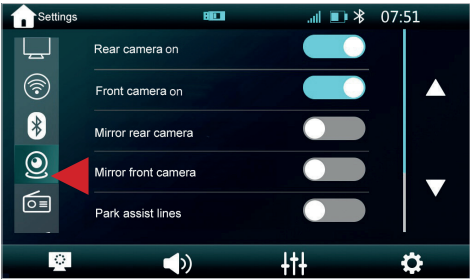
With **Auto connect** and **Auto answer**, you can specify whether your smartphone should automatically connect to the device after a restart and whether calls should be answered automatically. Under **Clear the Bluetooth device records**, you can delete previously registered devices.

⚠ IMPORTANT NOTE:

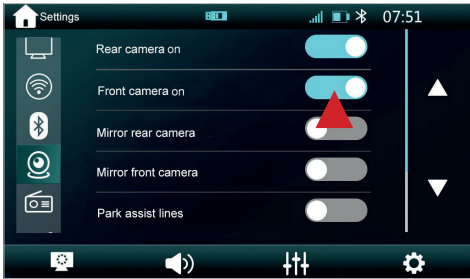
1. To ensure a secure Bluetooth connection, you should be in a safe and non-public location.
2. Do not start the initial connection while driving, otherwise the driver could be distracted.

3. SETTINGS

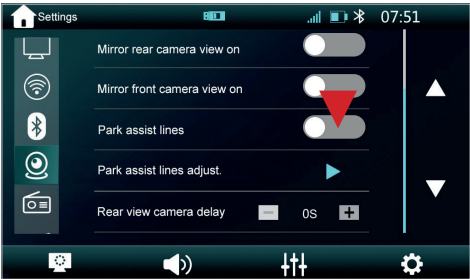
3.6 CAMERA



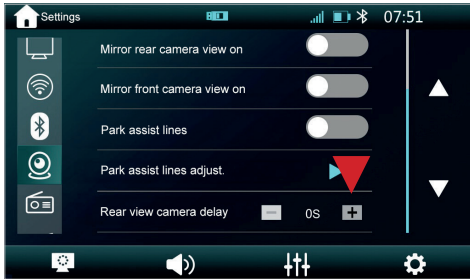
In section **Camera** you can adjust various settings for the connected cameras.



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



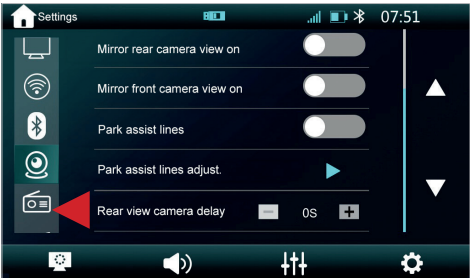
The slider next to the **Park assist lines** allows you to activate the rear camera's guide lines. You can adjust these guidelines using the **Park assist lines adjust**.



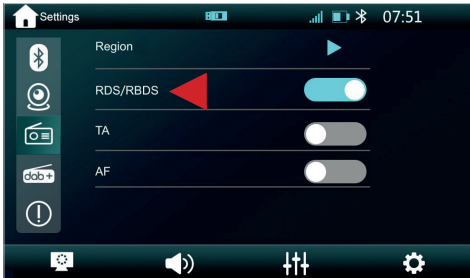
In addition to **Rear view camera delay**, you can use **+** to set the delay in seconds with which the reversing camera will be displayed on the screen when reverse gear is engaged.

3. SETTINGS

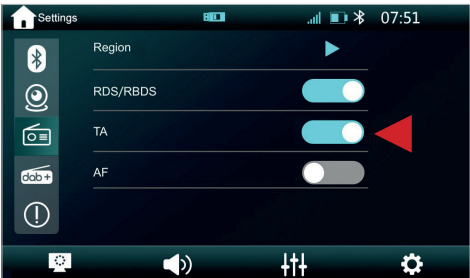
3.7 RADIO



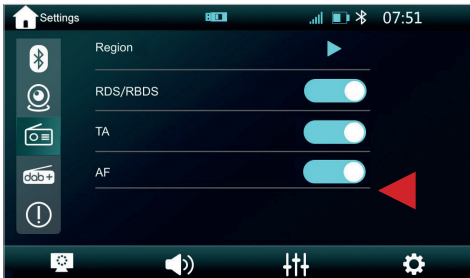
In section **Radio** you can adjust various settings for analog radio reception.



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



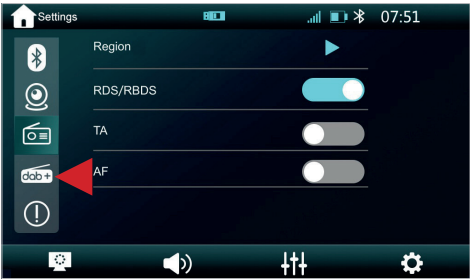
If **TA** is activated, you allow traffic announcements from the last FM station you listened to while other media is playing.



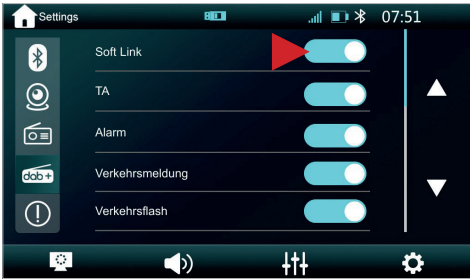
With **AF**, the radio switches to an alternative, better frequency of the transmitter in the network if the received signal is too weak and an alternative frequency is available.

3. SETTINGS

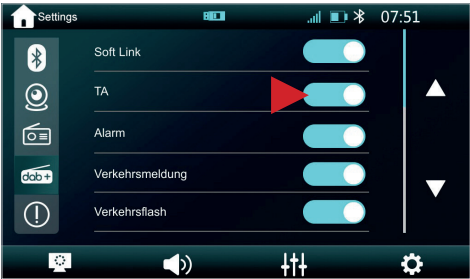
3.8 DAB



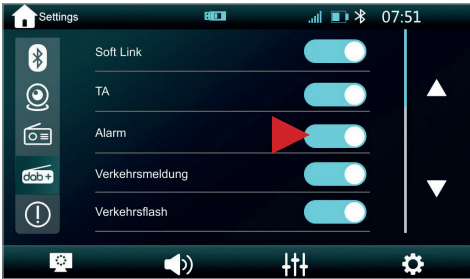
In section **DAB** you can make various settings for digital radio reception.



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.

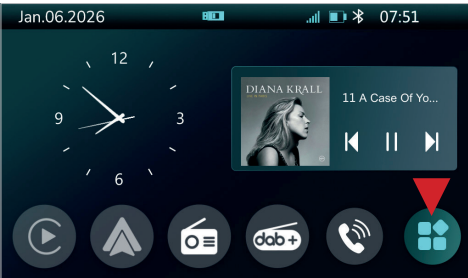
3.9 ABOUT



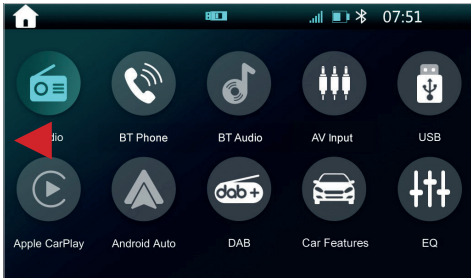
Next to the **exclamation mark symbol**, you will find various information about the device.

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.



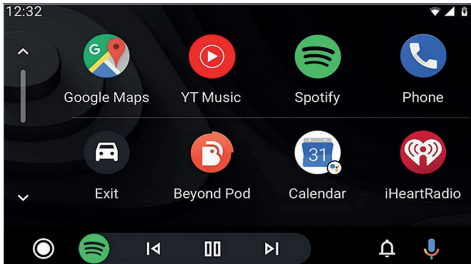
You'll find more applications and functions in the app menus. Swipe left to display **app menu 2**.

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 20). 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 20), 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 20). 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 20), 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.



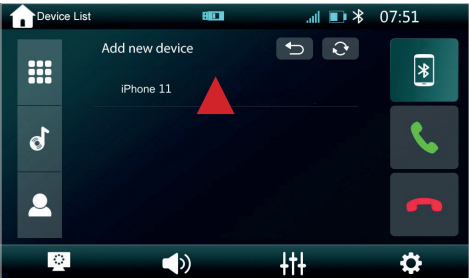
Under **PTY** you can select the desired channel category for the channel search.



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

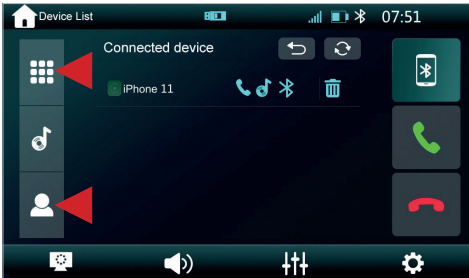
4. APPLICATIONS & FUNCTIONS

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.

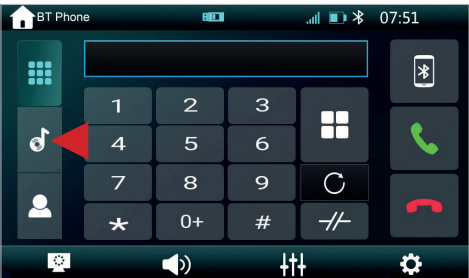
Apple CarPlay or **Android Auto** cannot be used simultaneously with the hands-free function. One of the two functions must be deactivated if needed.



If your phone is not yet connected to the device via Bluetooth, please follow the instructions on page 20 or select your phone from the displayed device list. Make sure Bluetooth is enabled on your phone.

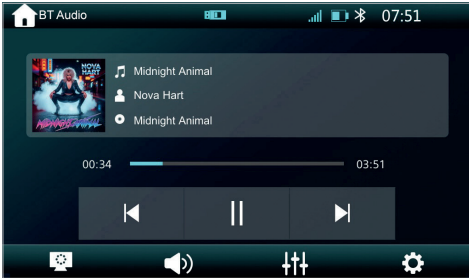
Once the device is connected to your phone, you can tap the **keypad** or **contacts** on the left-hand sidebar. You will also find your phone's call history there.

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 20.



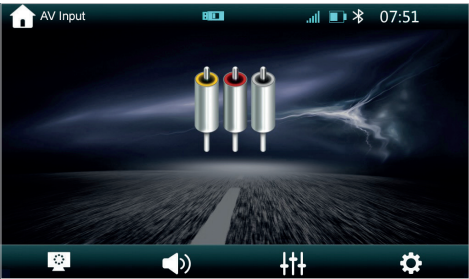
The controls and playback options for BT audio playback are located on the lower control bar.

⚠ 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.

4. APPLICATIONS & FUNCTIONS

4.7 AV INPUT



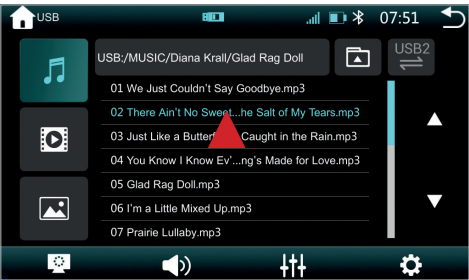
By tapping **AV Input** in the app menu 1, you activate playback from external audio or video sources connected to the AV and AUX inputs.

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.

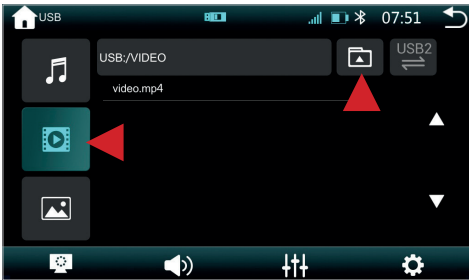
4.8 USB



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**

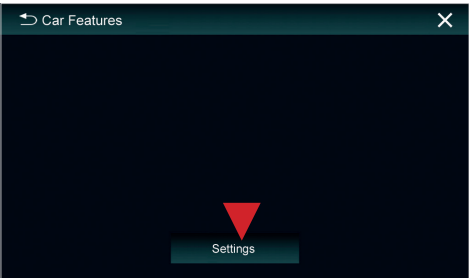


In the USB file manager, you can choose between different media types such as music, photos, or videos.

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

4. APPLICATIONS & FUNCTIONS

4.9 CAR FEATURES

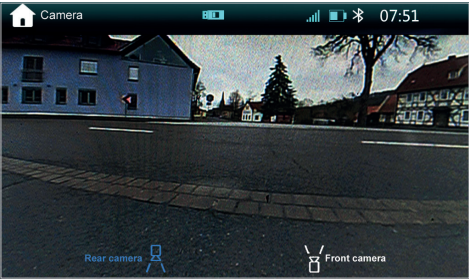


Tap on **Car features** in the app menu 1, and then tap on **Settings**.



These submenus allow you to configure various settings, such as which CAN bus information and vehicle displays the device should show. Functionality varies from vehicle to vehicle and may be limited or unavailable in some cases.

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.

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

Please refer to page 21 for information on camera settings.

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







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