



USER'S MANUAL

CAR MULTIMEDIA-SYSTEM USB/AUX/BT 2DIN RECEIVER

F700A F710A



16GB **1GB**
ROM RAM

50Wx4
MAX POWER

MirrorLink



6.8"



ANDROID 10.0 MULTI-TOUCH BT MUSIC DISPLAY GPS

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PRECAUTIONS

ATTENTION!

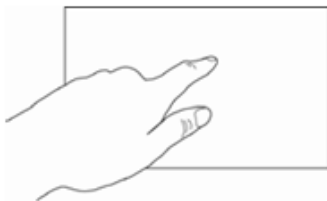
If you encounter any difficulties in operating the device, contact an authorized service center. The device has a built-in liquid crystal monitor, so be extremely careful when transporting and installing it.

It is not recommended to wipe the surface of the device with abrasive detergents. The operating voltage of the receiver is 12V (+ / - 2V), DC. If the voltage is lower or higher, it is not recommended to use the device, as it can easily be damaged.

Before turning on the device, make sure that the temperature inside the car is in the range from 0 to +45 degrees.

For replacement, use fuses that are rated for the current shown on the fuse holder. If the fuse blows several times in a row, carefully check the electrical connections for short circuits. Also check the voltage in the vehicle's on-Board network.

To avoid damage, do not expose the unit to direct sunlight, heat radiation, or hot air. If the temperature inside the car is too high, do not turn on the machine until the temperature inside the car is too high. Do not expose the appliance to sudden changes in temperature decreases.



The receiver is equipped with an interactive touch screen. Remove the protective film before using it for the first time. Otherwise, the touch screen may not work properly. Settings are controlled by tapping and moving your fingers on the screen.

ATTENTION!

Do not use metal or sharp objects to control of the touch interactive display. Also, do not use excessive efforts when touching the screen.

PLEASE READ BEFORE USING

In order to improve traffic safety, do not distract your attention by performing complex system control operations.

Any operations requiring increased attention of the driver should be performed only after the vehicle has come to a complete stop in a safe place. Failure to comply with this requirement may result in a ROAD TRANSPORTATION ACCIDENT.

Adjust the volume so that you can hear external noises while driving.

Failure to comply with this requirement may result in a TRAFFIC ACCIDENT.

Minimize viewing of the display while driving.

Failure to comply with this requirement may result in a ROAD ACCIDENT.

Do not disassemble or modify this unit.

Doing so may result in accident, fire, or electric shock.

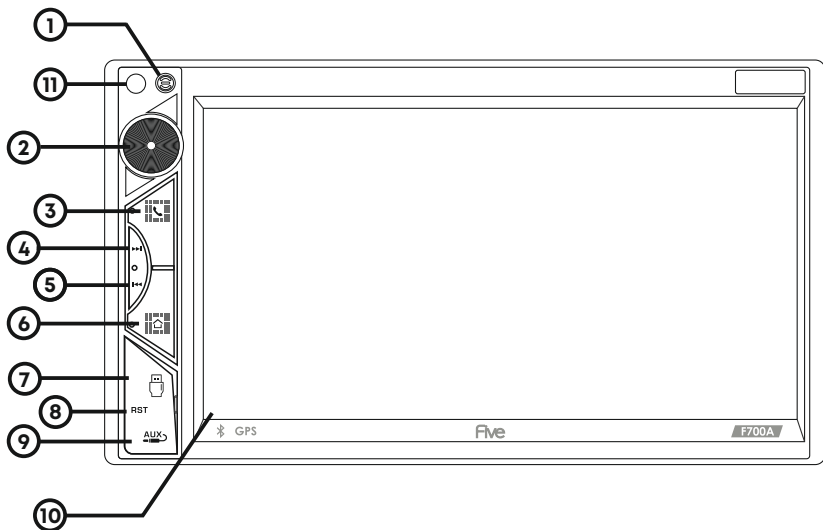
Connect the system to 12V DC only.

Using other power sources may result in fire, electric shock, or other damage.

When replacing fuses - use only those of the same rating.

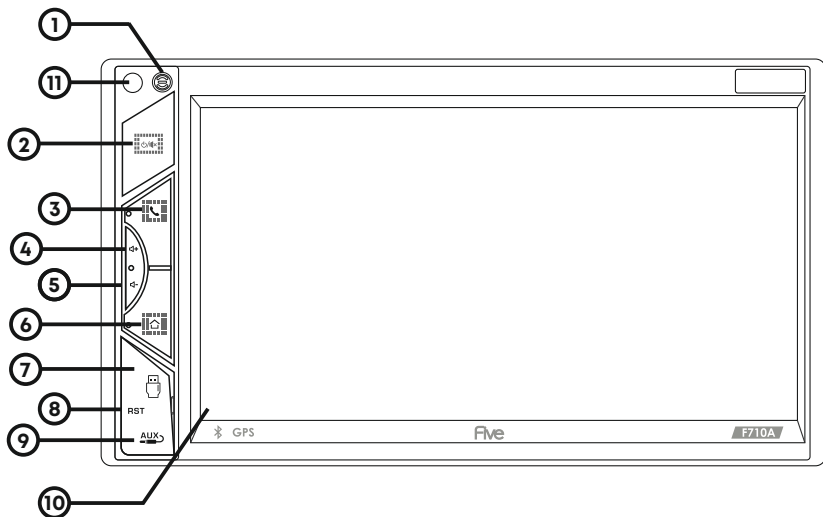
Using an incorrect fuse can damage the device.

F700A FRONT PANEL DESCRIPTION



1. Microphone (used for **Bluetooth**)
2. Encoder - volume control
3. **Bluetooth** communication button, answer incoming calls
4. Scroll forward button in **Multimedia mode** / skip to next radio station in **radio mode**
5. Backward button in **Multimedia mode** / skip to previous radio station in **radio mode**
6. **Menu** - button to go to the main menu screen
7. **USB** slot
8. **Reset** - button to reset the receiver
9. **AUX** - audio input
10. Touch screen
11. IR receiver (for models with remote control).

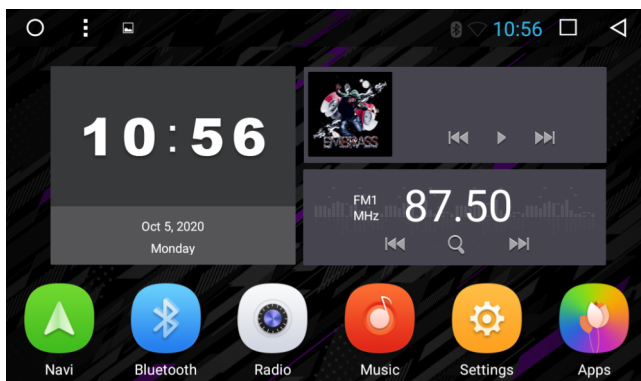
F710A FRONT PANEL DESCRIPTION



1. Microphone (used for **Bluetooth**)
2. Button on / off the receiver / mute sound **MUTE**
3. **Bluetooth** communication button, answer incoming calls
4. Volume control button (+)
5. Volume control button (-)
6. **Menu** - button to go to the main menu screen
7. **USB** slot
8. **Reset** - button to reset the receiver
9. **AUX** - audio input
10. Touch screen
11. IR receiver (for models with remote control).

MAIN MENU

When you turn on the device, the main page is loaded by default. For selection the function or application you are interested in, click the corresponding icon. To remove an icon or application, touch and hold and drag it to the delete icon that appears.



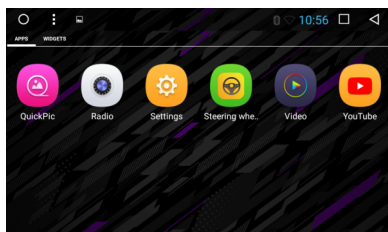
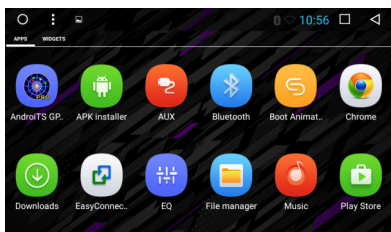
Main functions:

1. Navigation
2. Bluetooth
3. Radio
4. Music
5. Settings
6. APPs
7. Time/date

To go to the application menu, touch the icon.



To launch the required application, touch the corresponding icon.



To create a link on the main screen, touch the icon, and hold, drag to an empty space on the home screen. In app mode to change pages touch the display and slide your finger across the display left or right to select desired mode.

Top panel (status bar)



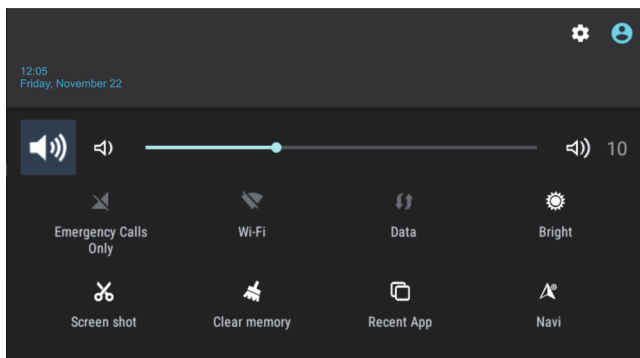
Icons at the top left of the screen - notifications about messages, events.

The icons at the top right are device status indicators.

When a message arrives or a new event will be displayed on the top bar on the left, tap and swipe down from the status bar. Then you can choose message or event and view its content.

Quick settings and notifications panel

Pull down from the top edge of the display to open the panel.



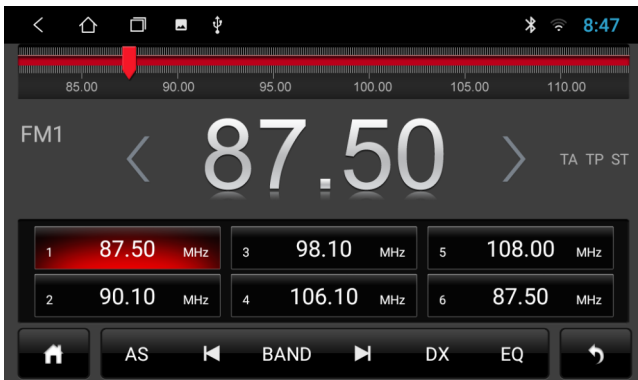
Device keyboard

Input on the virtual keyboard is done in the same way as on the physical one.

To change the language, press or hold: 


RADIO

This receiver is equipped with a high quality radio that supports reception in band FM/AM with automatic band scanning, frequency indication the received radio station, etc.







The Radio settings menu provides the user with the ability to configure the basic modes according to personal preference.

Automatic station search

To start searching, touch the icon . The receiver starts scanning from the beginning of the range. At the end of the scan, the stations found will be stored in the memory cells. To stop scan, touch one of the number icons 1-18 at the bottom of the display, while the frequency on the display stops flashing. In each of the FM1 / FM2 / AM subbands, you can save - 18 stations. In total, you can store up to 54 stations (36 FM stations and 18 AM stations).

Manual setting

For manual configuration, use the icons  . When you click on the icons  , you move along the range scale with a step of 0.05 MHz. To stop, click on the icon again. In this way, an accurate tuning to the desired radio station. To store a tuned station in memory, press and hold the number button (1-18).

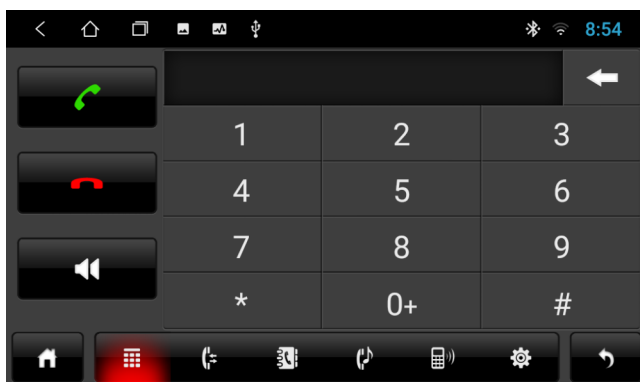
Stereo mode (ST)





We recommend using stereo mode if reception is good. When moving away from the city, the reception starts to deteriorate, and noise appears. In some cases, switching to mono mode (by touching the "ST" icon in the settings) can reduce interference and improve reception.

Note. Radio Data System RDS with TA and TP functions - OPTIONAL not supported by this receiver!

BLUETOOTH (PHONE)

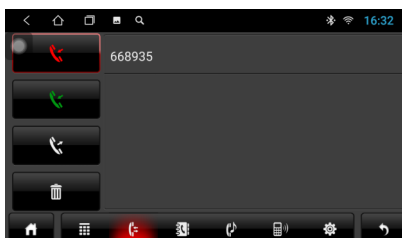
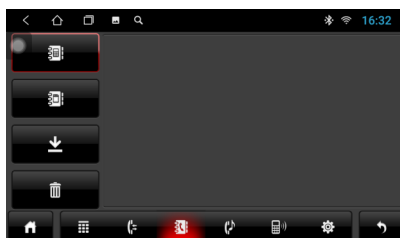
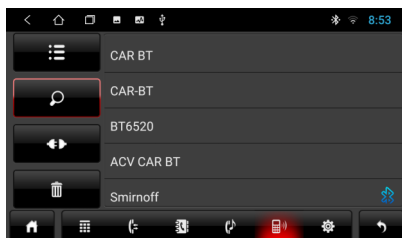
To go to the Phone application on the main menu, touch the "Phone" icon. Or press the button (2) on the front panel. After completing the pairing, the BT icon on the screen will change color from gray to white.




-  Dialing interface
-  Phone book interface
-  Call book interface
-  Audio player interface

Pairing phone and head unit


Please make sure your phone supports this function before connecting. Turn on Bluetooth on your phone, then search for devices by touching the Add Device "on the screen of the head unit. After finding the device, it will appear on the list.



Dialing a number


To go to the dialing menu, touch the Next icon with the number keypad  dial the number and press the call icon. To reset, touch the icon cancellation.

Call log

To go to the call log menu, touch the icon 


To make a call, select a contact from the list and click on it.

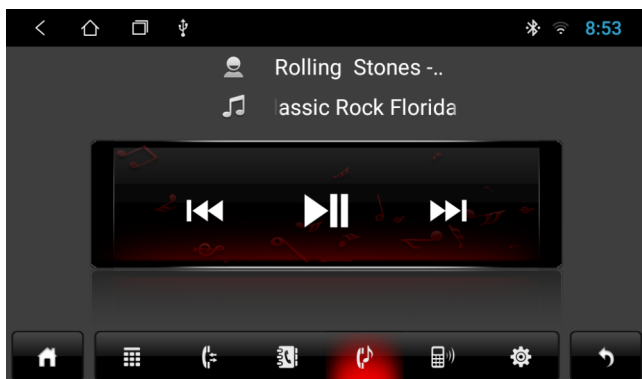
Contacts

To go to the contacts menu, tap the icon 

On first use contact list will be empty. The head unit will download the contact list from the paired phone. For call from the contact list, after selecting the number, activate the call icon.

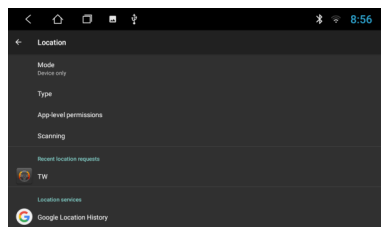
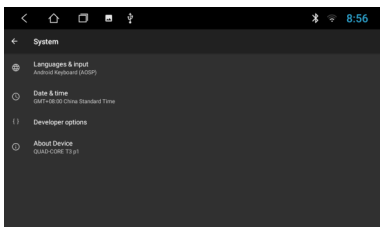
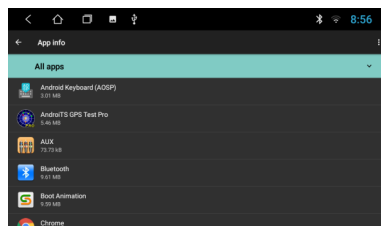
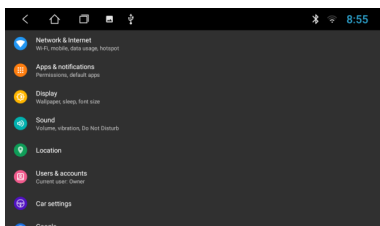
BT MUSIC

Touch the icon  in the application menu to go to the audio player. Receiver supports the Bluetooth A2DP protocol. Use icons to control: previous track, play / pause, next track. The head unit will play tracks saved on a connected device that supports the Bluetooth protocol A2DP.



SETTINGS

To enter the mode, touch the "Settings" icon.

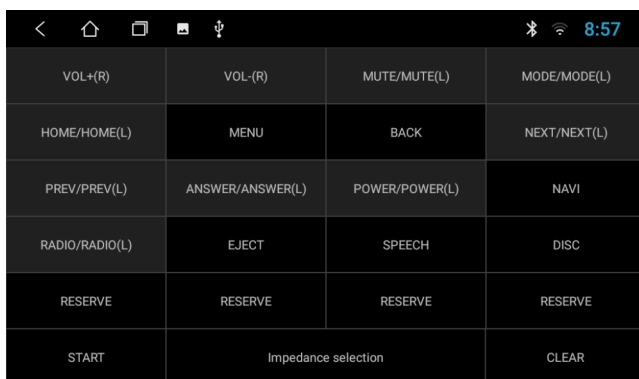


The settings available to the user allow you to adapt the device to individual preferences both in terms of sound quality and communication, and in a wider range. More you can get detailed information about the settings by reading the description to the publicly available Android system.

Note. Password to enter Extra settings mode: 123456

STEERING WHEEL CONTROL SETTING

Customizing the steering wheel buttons interface



VOL+(R)	VOL-(R)	MUTE/MUTE(L)	MODE/MODE(L)
HOME/HOME(L)	MENU	BACK	NEXT/NEXT(L)
PREV/PREV(L)	ANSWER/ANSWER(L)	POWER/POWER(L)	NAVI
RADIO/RADIO(L)	EJECT	SPEECH	DISC
RESERVE	RESERVE	RESERVE	RESERVE
START	Impedance selection		CLEAR

To adjust, touch the "Steering Wheel" icon on the APP screen. Select the icon of interest function, then press the corresponding button on the steering wheel. After finishing the setting tap the Save & Exit icon.

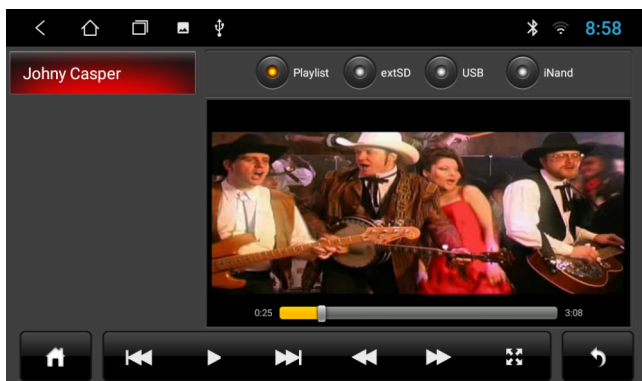
ATTENTION!

The manufacturer does not guarantee correct operation of the device with all types and models of vehicles. The manufacturer is not responsible for any possible problems with the vehicle or device that may occur if this device is incorrectly connected to the vehicle's standard wiring. To properly connect the standard resistive remote control, consult Your car's authorized dealer or contact a certified installation center.

Note. Operating voltage range with the remote control buttons connected – from 0.3 up to 5V. the minimum difference in operating voltages that are set at the output of the remote control after pressing the buttons must be at least 0.3 V (otherwise, in some cases different buttons can be programmed for the same parameter). Adjustment is only possible with steering buttons with analog (resistive signals).

VIDEO PLAYING MENU

To view the video files, click on the icon of the "Video" application. Playback possible video files both from the device memory and from external drives (USB). The device supports playback of H.263 P3, MPEG-4, H.264 / AVC codecs, etc. For more information on playable file formats, see technical characteristics of the device.



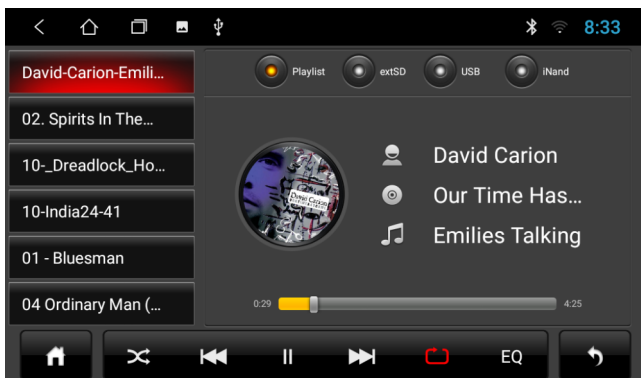
After launching the application, playback of video content from the connected disc (USB or iNand). The bottom pop-up menu allows you to select a video file to view. Go to the explorer of video files, you can go to the list of connected media and select the desired file to view.

- ▶▶ next video
- ⏸ play and pause
- ◀◀ previous video
- ⌘ full screen view






Note. The built-in video player supports most common (popular) formats, but the codecs used by media producers are constantly are developing and the manufacturer cannot guarantee support for all formats video files.

AUDIO PLAYING MENU

To listen to music, click on the "Music" icon on the main menu. Track playback possible both from the device memory (iNand) and from external drives (USB). The device supports playback of most popular formats MP3, M4A, WAV, AMR, WMA, OGG, AAC, FLAC, MID, etc. More information on playable file formats, you can find in the technical specifications of the device.



After launching the application, playback of audio files from the connected disc. The bottom pop-up menu allows you to select a file to listen to

-  next track
-  play and pause
-  previous track
-  repeat / shuffle mode
-  equalizer

AUX

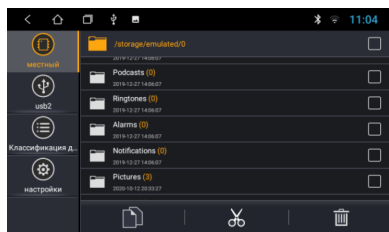
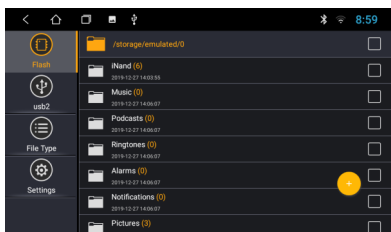
To play video from external media connected to the AV input, press the "AUX" icon from the application menu.

FILE MANAGER

In addition to the applications located on the main screen, a large number of convenient and necessary tools for the user can be found by clicking on the "Applications" icon on the home screen. One of the most requested tools needed by an experienced user Android devices is a "File manager".

To start the program, click the File manager icon in the application menu. Interface manager is made in a classic design and is intuitive. All operations are performed by touching the corresponding icons. Short touch to navigate to folder / file. To highlight the corresponding object. need to put square on the right side of the screen. Appearing after that the pop-up menu provides a choice of three actions: copy / cut / delete.

To cancel, remove the mark from the subject.



Installing third-party applications

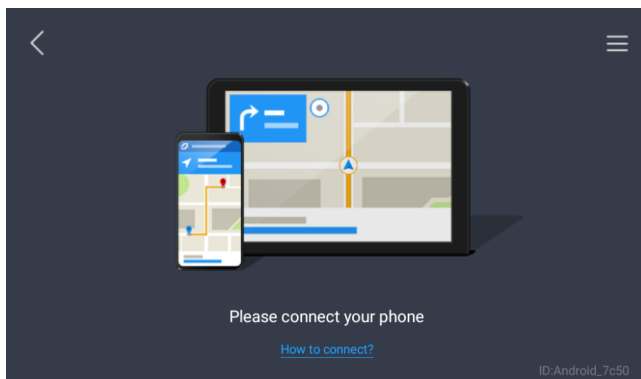
To install the application, download the APK file of this application and copy it on USB stick. Then launch the application on the head unit for installation.

ATTENTION!

The user bears full responsibility for incorrect operation head unit after installing third-party applications.

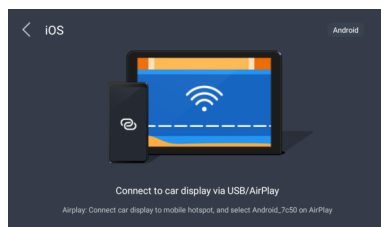
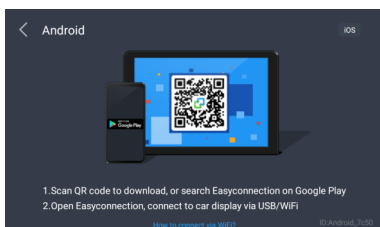
EASY CONNECTION MODE

The Easy Connected APP allows you to connect Android and iOS mobile devices to the receiver and display the operating system of the mobile devices on the receiver's screen.



Turn on "Easy Connected", touch "How to connect?" and follow the instructions displayed on the screen head unit. When working with a device on OS Android, a "two way" algorithm is implemented. It becomes possible to control the smartphone using the head unit. When working with an iOS device, a "one way" algorithm of work is carried out. That is, on the receiver display the screen of the mobile device, and the control is carried out from the mobile device only.

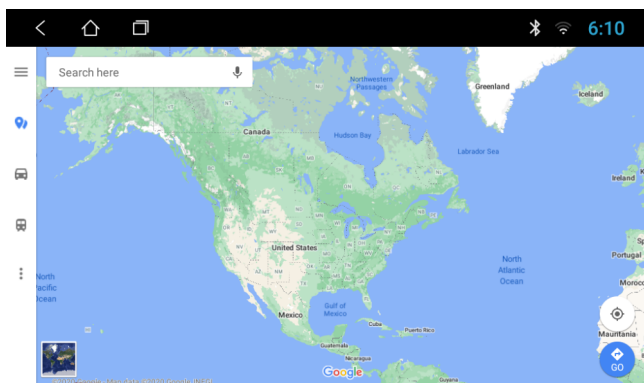
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Note. The manufacturing company cannot guarantee support for future iOS, Android software versions and correct operation of smartphones from different manufacturers. Please, check if your smartphone supports this feature before purchasing head unit.

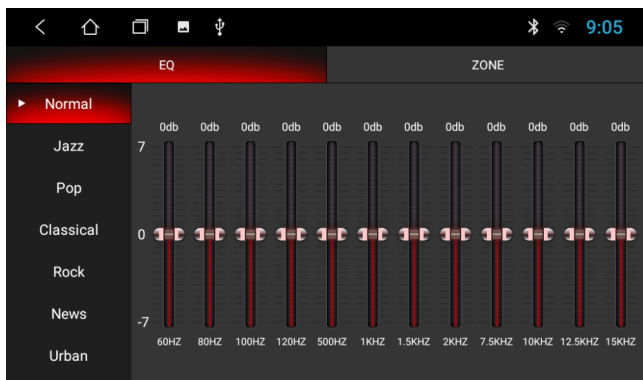
NAVIGATION

By default, the "Google Maps" navigation app is installed on the head unit. Quick access to the selected navigation program is available from the main screen by clicking the corresponding icon or from the application menu.



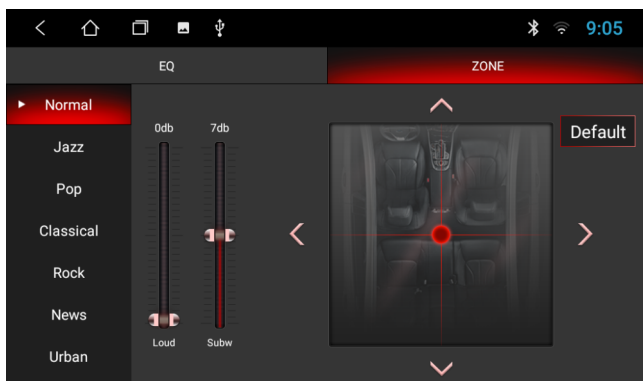
SOUND SETTINGS

To enter the sound settings, use the EQ icon from the app menu. The settings interface offers two screens with settings.

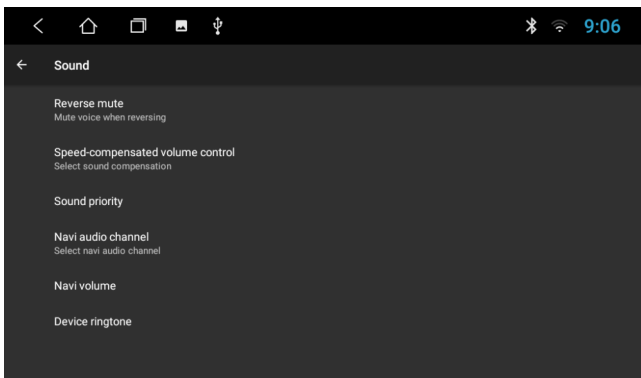


In the first submenu, the device user is offered a 12-band equalizer.

You can adjust the equalizer to your sound preferences by moving the volume sliders of the corresponding frequencies, or choose one of the suggested schemes: Normal, Jazz, Pop, Classic, Rock, News, Urban, Techno.




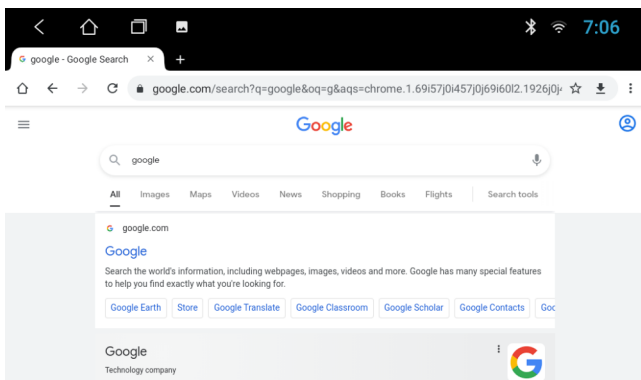
In the balance settings submenu, you can adjust the relative volume of the speakers to achieve the desired sound. Setting is done by dragging the point according to the car interior scheme. The user is also given the opportunity to adjust the overall sound picture to the selected place in the car. In addition, this menu allows you to set the tone compensation mode, you can enable (or disable) the sound gain.



In addition, in the main settings of the device, by clicking on the "Sound" icon, the user can use the option to set a separate volume level for different sources. You can also set the desired level of listening to Navigator commands against the background of the music being played.

WEB BROWSER

By default, the device has the Chrome browser installed. To launch the browser, tap icon  in the app menu. To use the browser, you must have an Internet connection via Wi-Fi or 3G/4G (LTE).



GOOGLE PLAY MARKET

To enter the application, use the "Play Store" icon in the application menu. Pay attention: when you download the app, your device must have a reliable Internet connection via WiFi or 3G



Google Play

Sign in to find the latest Android apps, games, movies, music, & more

Sign in

Click on the app you want to install. This will open a page with details about the application, its features, and the developer. Click the Install button. If you accept the app's permissions, click Accept. The download will start immediately. To cancel the download, press "X". In the same menu, you can delete or open the app. To do this, click the appropriate buttons.

Installing paid apps

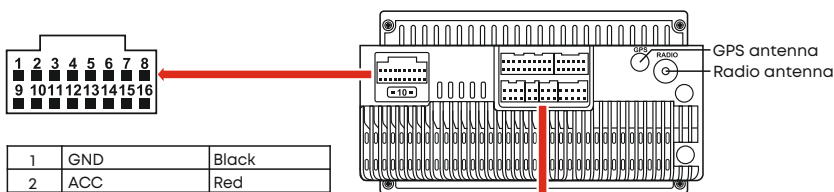
Click on the app you want to install. This will open a page with details about the application, its features, and the developer. Click the price button. If this is your first purchase on Google Play, you will be prompted to sign in to Google Wallet.

Choose a payment method from the drop-down menu or add a new card. To accept the app permissions and complete the purchase, click Accept & Buy. Enter a PIN for purchases if required. The download of the application to your device will start after authorization of the payment. To cancel the download, press "X". In the same menu you can uninstall or open the application. To do this, click the appropriate buttons.

Removing applications

In the open Market application, click in the window that opens, select My Apps and Games. Select the unwanted application and click the "Remove" button.

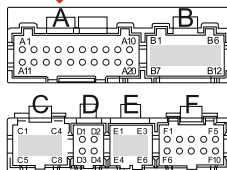
DIAGRAM CIRCUIT



1	GND	Black
2	ACC	Red
3	Back car control	Pink
4	Steering wheel 1	Green
5	FR -	Grey/Black
6	FR +	Grey
7	FL -	White/Black
8	FL +	White
9	+12V	Yellow
10	ILL	Orange
11	Steering wheel 2	Grey
12	Antenna	Blue
13	RL -	Green/Black
14	RL +	Green
15	RR +	Purple
16	RR -	Purple/Black

Socket F

F1	Empty
F2	Empty
F3	Empty
F4	Empty
F5	Empty
F6	BT antenna
F7	GND
F8	Back side camera
F9	Empty
F10	Wi-Fi antenna



Socket D - USB

Socket A

A1	Amplifier control B+	Black
A2	AUX Right speaker	Red
A3	AUX Left speaker	White
A4	Empty	
A8	Empty	
A9	CVBS-in-2	Yellow
A10	MIC -	Black
A11	GND	Black
A12	Front left OUTPUT	White
A13	Front right OUTPUT	Red
A14	GND	Black
A15	GND	Black
A16	GND	Black
A17	Video OUT	White
A18	Subwoofer OUT	Yellow
A19	CVBS-in-1	Red
A20	MIC +	Transparent

ATTENTION!

Incorrect connection of the receiver may damage it and void the right to warranty service. The device uses power amplifiers connected in a bridge circuit. When connecting the speakers, do not short-circuit the wires to the car body, to the + 12V power wire or to each other.

The red wire of the unit must be connected to the ignition circuit to avoid discharge of the vehicle battery during prolonged parking.

The yellow wire of the device must be connected to a constant voltage wire + 12V, even with the ignition off. If you have not found such a wire, then connect to the positive terminal of the battery after the fuse box.

The black wire of the device must be connected to the car body. If you not find a suitable bolt or screw, contact your nearest dealer for assistance Your car. To ensure good grounding, remove paint and dirt from those areas of the surface with which the wire is in contact.

If the device is reset after turning off the ignition, swap connecting yellow and red wires

SPECIFICATIONS

OS: Android 10.0
Cortex A7 Quad Core 1.6GHz
RAM DDR3 1GB
Internal memory: 16G
Capacitive LCD 6.8"
Display resolution 1024X600 pix. 24-bit color rendering

FM frequency range 87.5 - 108 MHz
Usable sensitivity (20 dB) 15 dB
Signal-to-noise ratio, not less than 48 dB
Frequency Response (+/- 3dB) 30Hz-15KHz
Stereo separation (at 1 kHz) 30 dB
Frequency range AM 522 - 1620 kHz
Usable sensitivity (20 dB) 25 dB
Number of FM / AM memories 18 + 12

USB 2.0 with OTG / AUX support
Easy Connection Support
Support for 3G / LTE modems (purchased separately)
Built-in WiFi / GPS / BT (ver.4.2) with support for A2DP, AVRCP protocols

FullHD 1080p support
Video formats WMV / MPEG4 / MOV MPEG1 / 2, H.264 codecs, DivX, etc.
Audio formats MP3 / WMA / WAVE / FLAC / AAC, etc.
Graphic formats JPG / BMP / PNG, etc.
Maximum output power 50Wx4
Frequency Response (+/- 3dB): 20Hz-20KHz
Recommended speaker impedance 4-8 ohms
Power requirement 10.8 - 14.8V, negative ground
Maximum current consumption 7.5 A

Note. Specifications and design; functions and features; unit illumination; color and display segment are subject to change without prior notice. Photos and drawings on gift box or operation manual might be varied from the exact unit. Depends on the input devices, operation might be varied from the operation manual described.

TROUBLESHOOTING GUIDE

Issues	Cause	Action (Reference)
Unable to power on	The car key is not inserted or ACC is not turned on	Insert the car key and turn on the ACC
	The power cord is not connected	Connect the power cord correctly
	The fuse is damaged	Replace the similar fuse
Irresponsive touch screen	The system may be multi tasking (i.e.navigation). Please wait for a moment. If the problem persists, please contact customer service centre for assistance.	
No rear view image	No reverse camera is installed.	Install the reverse camera and plug in to the CCD socket.
	Reverse camera type does not match	Replace the reverse camera.
Rear view appears during reverse position even when system is not booted. Power button is null	This is part of the safety feature where the rear view function is preset for safety priority.	Power on to boot the system after resuming from the reverse position to normal.
No GPS signal	GPS antenna is not connected	Connect the GPS antenna correctly
	The car may be at the GPS signal blind spot.	Drive for a distance to check GPS signal. If the problem persists, please contact customer service for assistance.
Positioning and navigation failed upon power on	Blind spot of the navigation map. Some remote areas or routes may not be covered in the map.	Please contact the customer service to update the map
Unable to locate the destination routes	Firstly, please ensure correct spelling of the destination followed by trying possible names of the destination. If still unable to search, the destination may not be updated in our database.	

TROUBLESHOOTING GUIDE

Issues	Cause	Action (Reference)
Navigation routes are far	The navigation system sets a route to your destination by applying certain built-in rules to the map data. Besides, distance, the navigation system will take into consideration of the road grade, traffic rules, flyover, highway, main road and others to ensure the driver in reaching the destination soonest possible.	
Blank on the map	May be due to scale setting. Try to zoom in and out to adjust the map display. If the problem persists, it may be due to loss of GPS signal. Please reset the destination or select a new landmark.	

S I M P L E T R O U B L E S H O O T I N G

No power

- Check and make sure the connecting wires are connected correctly
- Check whether the fuse is blown. Replace with the proper value fuse if necessary.

No sound

- Check and make sure the speaker wires are connected correctly.

No picture

- Check whether the video wire is connected to the video device.

Unit hang-up

- Press the RESET button to reset the unit to its default stage.

No function when pressing the buttons or TFT screen

- Press the RESET button to reset the unit to its default stage.

Poor effect or unable to receive radio

- Check whether the radio antenna is inserted or properly connected.
- Antenna may not be the proper length. Make sure the antenna is fully extended.
- Antenna may be poorly grounded. Check and make sure the antenna is properly grounded.

Stereo cannot be received under radio mode

- Tune the radio frequency accurately.
- The broadcasting signal is too weak, set the mode to MONO.

Remote handset does not work

- Replace new battery of the remote handset.
- Point the remote handset directly at the remote sensor of the main unit.
- Clean the surface of the remote sensor.

Bluetooth not operated

- check the devices are linked up correctly.

Note. After the above efforts, if the unit still cannot be worked normally, consult your service dealer. Never attempt to disassemble the unit by yourself. No service part inside the unit.



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