



LINKSWELL
TECHNOLOGY TOGETHER

XL Series



2018-up Jeep Wrangler

2020-up Jeep Gladiator

User Manual

Operating Instructions



PRECAUTIONS

IMPORTANT INFORMATION

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide more reasonable protection against harmful interference in a residential installation, and are more stringent than "outdoor" requirements.

Operation is subjected to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an experienced radio/TV technician.

WARNING

Points to Observe for Safe Usage

- *Read this manual carefully before using this disc and the system components. They contain instructions on how to use this product in a safe and effective manner. Alpine cannot be responsible for problems resulting from failure to observe the instructions in this manual.*
- *This manual uses various pictorial displays to show you how to use this product safely and to alert you to potential dangers resulting from improper connections and operation. Following are the meanings of these pictorial displays. It is important to fully understand the meanings of these pictorial displays in order to use this manual and the system properly.*
- *This product may be used with software applications. Please follow all usage instructions and warnings when using this product at all times. Do not use this product or any software application in a manner which will hinder safe operation of your vehicle.*



WARNING

- Operation of the system while driving is dangerous. Users should stop vehicle before operating the software.
- Road conditions and regulations take precedence over information contained on the map display: observe actual traffic restrictions and circumstances while driving.
- This software is designed for use exclusively in the unit. It cannot and may not be used in conjunction with other hardware.



WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

INSTALL THE PRODUCT CORRECTLY SO THAT THE DRIVER CANNOT WATCH TV/VIDEO UNLESS THE VEHICLE IS STOPPED AND THE EMERGENCY BRAKE IS APPLIED.

It is dangerous for the driver to watch TV/Video while driving a vehicle. Installing this product incorrectly enables the driver to watch TV/Video while driving. This may cause a distraction, preventing the driver from looking ahead, thus causing an accident. The driver or other people could be severely injured.

DO NOT WATCH VIDEO WHILE DRIVING.

Watching the video may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISES WHILE DRIVING.

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

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

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

Operating Instructions



KEEP SMALL OBJECTS SUCH AS SCREWS OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

DO NOT BLOCK VENTS OR RADIATOR PANELS.

Doing so may cause heat to build up inside and may result in fire.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

MAKE THE CORRECT CONNECTIONS.

Failure to make the proper connections may result in fire or product damage.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.



CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized dealer or seller.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

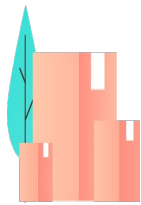
Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wire's insulation from being cut by the metal edge of the hole.

DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST.

Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.



Operating Instructions



NOTICE

Product Cleaning

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.

Temperature

Be sure the temperature inside the vehicle is between +45°C (+113°F) and 0°C (+32°F) before turning your unit on.

Maintenance

If you have problems, do not attempt to repair the unit yourself. Return it to your dealer or seller.

Protecting the USB connector

- Only an iPhone or USB flash drive can be connected to the USB connector on this unit. Correct performance using other USB products cannot be guaranteed.
- If the USB connector is used, be sure to use only the supplied connector cable with the unit. A USB hub is not supported.
- Depending on the connected USB flash drive, the unit may not function or some functions may not be performed.
- The audio file format that can be played back on the unit is MP3/WMA/AAC/FLAC.
- Artist/song name, etc., can be displayed. Certain, special characters may not be correctly displayed.

CAUTION

Alpine accepts no responsibility for lost data, etc., even if data, etc., is lost while using this product.

On Handling USB Flash drive

- This unit can control a memory storage device that supports the USB Mass Storage Class (MSC) protocol. Playable audio file formats are MP3, WMA, AAC and FLAC.
- USB Flash drive function is not guaranteed. Use USB flash drive according to the terms of agreement. Read the USB flash drive Owner's Manual thoroughly.
- Avoid usage or storage in the following locations:
 - Anywhere in the car exposed to direct sunlight or high temperatures.
 - Anywhere the possibility of high humidity or corrosive substances are present.
- Fix the USB flash drive in a location where driver operation will not be hindered.
- USB Flash drive may not function correctly at high or low temperature.
- Use only certified USB flash drive. Note that even certified USB flash drive, may not function correctly depending on its type or state.
- Depending on the settings of the USB flash drive type, memory state or encoding software, the unit may not play back or display properly.
- USB Flash drive may take time to start playback. If there is a particular file other than audio in the USB flash drive, it may take considerable time before the file is played back or searched.
- The unit can play back "mp3," "wma" or "m4a" file extensions.
- Do not add the above extensions to a file other than audio data. This non-audio data will not be recognized. The resulting playback may contain noise that can damage speakers and/or amplifiers.
- It is recommended to back up important data on a personal computer.
- Do not remove the USB device while playback is in progress. Change SOURCE to something other than USB, then remove the USB device to prevent possible damage to its memory.

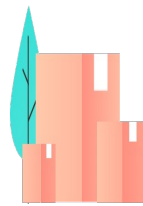


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Specifications



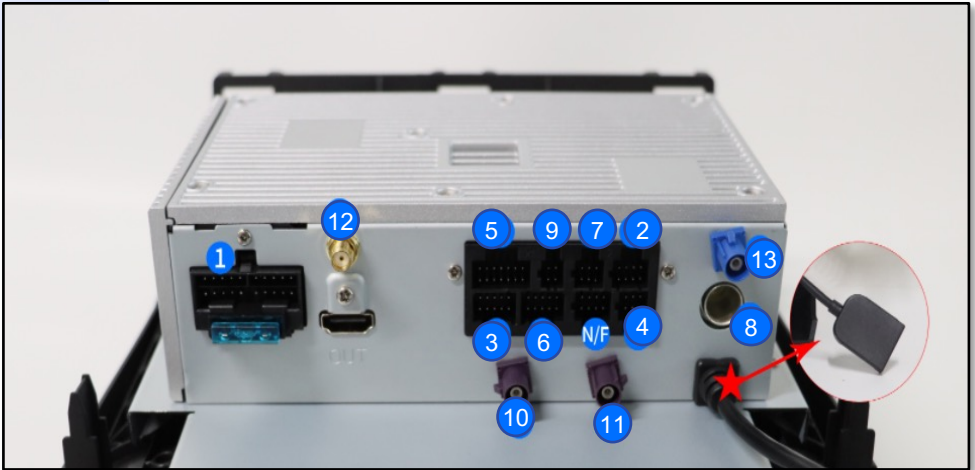
Operation System	Android 11 Operating System
Screen	15.6'' HD IPS(1920x1080) resolution
Ram+Rom	8+128G
USB	3 USB
WiFi	Dual-band (2.4 & 5GHz)
SPDIF output	SPDIF/TOSLINK/DIGITAL output
SIM card	SIM card slot 4G LTE Cellular Network
Radio AM/FM	TEF6686/TDA7708 w/RDS
Camera Input	Support aftermarket front,rear or right cameras
Steering Wheel Control	Support
Bluetooth	Hands-free phone call, support BLE devices, OBD II...
Carplay/Android auto	Wireless Carplay Wireless / Wired Android Auto
GPS navigation	Support Google Maps,Waze,IGO etc.
Microphone	External Microphone
Voltage	9V-16V
Temp	-4 - 158 °F
AMP	ST-STPA008 4*50W MAX 4*25W NOR
DSP	16 band EQ /Delay/3-Way Crossover
RCA	4Vrms Front, Rear & Subwoofer preamp outputs

Wire Harnesses Included List



- 1) XC01-N0469-A4 Jeep Wrangler Power Cable
- 2) XC01-N0336-A1 8P USB Cable
- 3) XC01-N0328-A5 RCA Audio Output
- 4) XC01-N0320-A0 AUX In
- 5) XC01-N0404-A0 Cam Input
- 6) XC01-N0417-A0 10P USB Cable
- 7) XC01-N0403-A0 DVR Cable
- 8) XC01-N0323-A1 Radio Ant Cable
- 9) XC01-N0451-A0 Spdif Output Cable
- 10) XC11-W0018-A0 4G Ant Cable
- 11) XC11-W0018-A0 4G Ant Cable
- 12) XC11-W0016-A0 Wifi Cable
- 13) XC11-W0012-A0 GPS
- 14) PJDS-A0007 External Speaker
- 15) XYBOX-007B AHD Box
- 16) W1H0034A-Y02E Can Box
- 17) XC10-W0014-A0 Microphone
- 18) Left Accessories
- 19) Right Accessories
- 20) Screw
- 21) Micro Sim Card

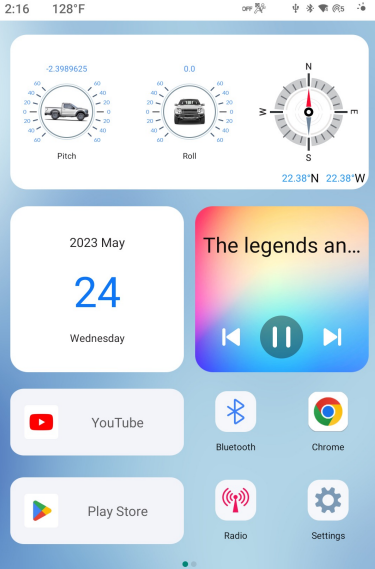
Wire Harnesses Connection



1. XC01-N0469-A4 Jeep Wrangler Power Cable
 12. XC11-W0016-A0 Wifi Cable
 5. XC01-N0404-A0 Cam Input(**BLACK PLUG**)
 9. XC01-N0451-A0 Spdif Output Cable(**LIGHT PURPLE PLUG**)
 7. XC01-N0403-A0 DVR Cable (**GREEN PLUG**)
 2. XC01-N0336-A1 8P USB Cable(**SALMON PLUG**)
 13. XC11-W0012-A0 GPS(**BLUE PLUG**)
 8. XC01-N0323-A1 Radio Ant Cable
 3. XC01-N0328-A5 RCA Audio Output (**YELLOW PLUG**)
 6. XC01-N0417-A0 10P USB Cable (**WHITE PLUG**)
 4. XC01-N0320-A0 AUX In(**GRAY PLUG**)
 10. XC11-W0018-A0 4G Ant Cable(**DARK PURPLE PLUG**)
 11. XC11-W0018-A0 4G Ant Cable(**DARK PURPLE PLUG**)
- ★ Sim Card Slot



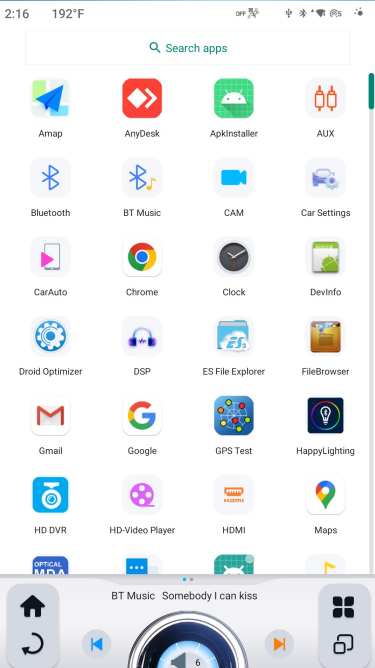
Home Page



Long press to delete or customize any of the homepage apps.

Press/hold on a blank space to bring up all available widgets.

User-installed apps may include widgets that can also be used on the Home Page.



Slide the Home Page up to view the Apps list page.

All installed apps will be listed. Press/hold and drag to top of the screen to uninstall apps.

Any app can be dragged/dropped to the Home Page, allowing you to access your most-used apps easily.



X Knob Control

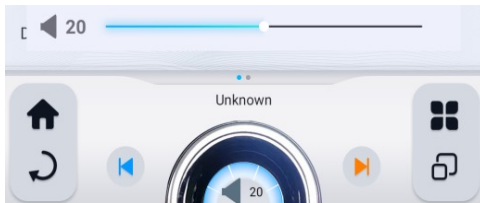


Under the AC page:
Press the Knob switch to
temperature or Fan speed
status

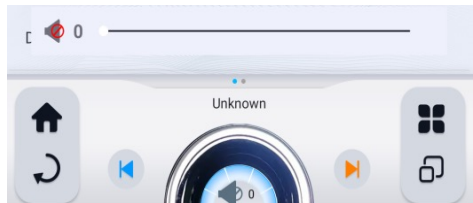
*Rotate the Knob adjust the
temperature high and low*



Under the AC page:
*Rotate the Knob adjust the
Fan speed high and low*



Under the MP3 or Music page:
*Rotate the Knob adjust the
volume high and low*

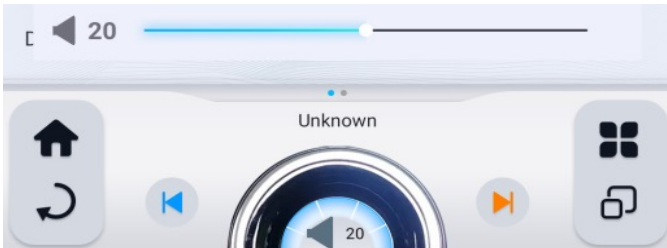


Under the MP3 or Music page:
Press the Knob to silent mode

X Knob Control



Swiping the bottom part (behind the knob) to the left, exposes the "quick" climate control functions. Please note that on this page, the function of the knob changes. Push the knob to toggle between TEMP and FAN controls, turn the knob to adjust that setting. The center icon of the knob changes depending on what function is being controlled (i.e. Volume, temperature or fan speed). Please note: for a more detailed climate control page, please open the APP labeled "climate".



Volume



Fan Speed



Temperature



Radio

Radio App:



Tap the app to open the radio

Radio

Search the channels:



Direct input frequency:



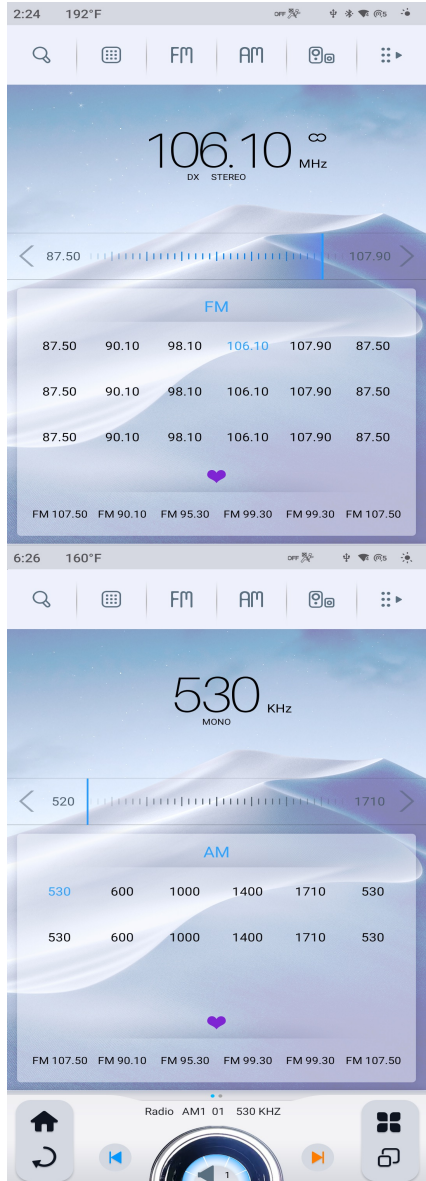
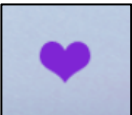
Choose band:



(FM) DX Stereo or Mono:



Save favorite channels:





Radio

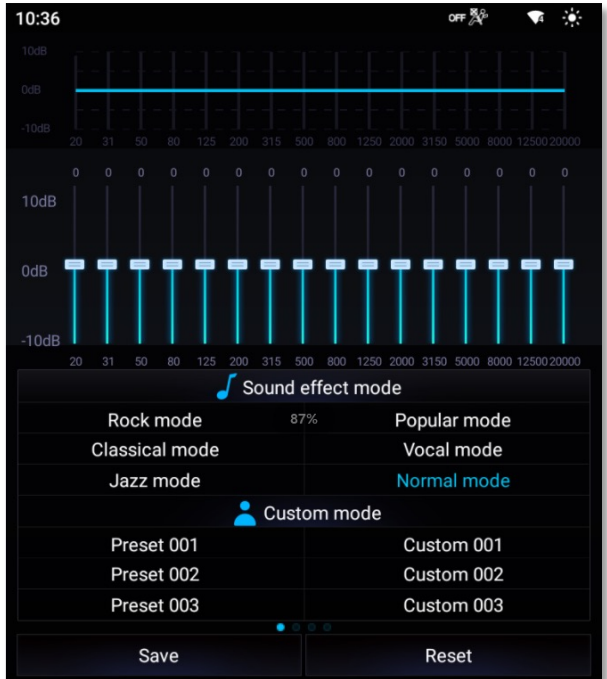
More Settings:



DX Mono or Local Mono:



EQ, Sound effect mode or Custom mode:



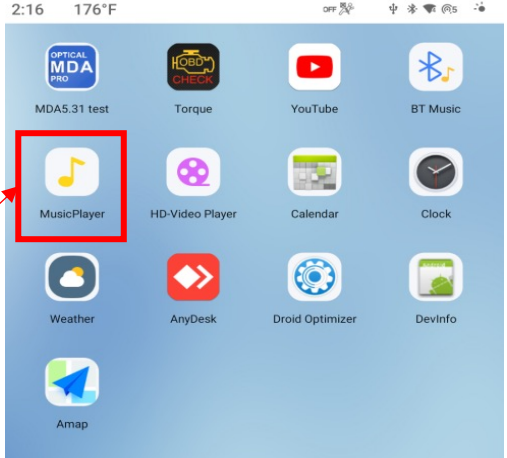


MP3 Player

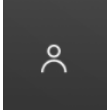
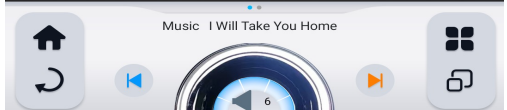
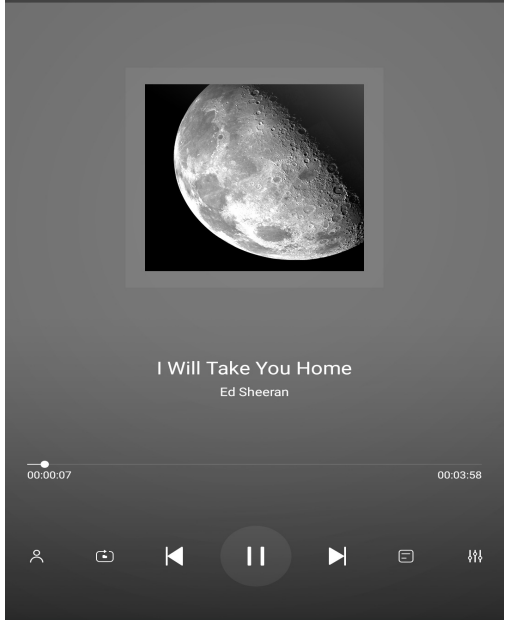


MusicPlayer

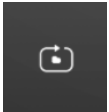
Tap the app to open the player (*plays locally stored .mp3 files only*)



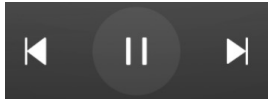
2:23 96°F



Play page change to "Square" or "Circle"



Play mode: Single, Sequential, Random



Previous/Pause/Next



Storage Select: USB or Internal memory



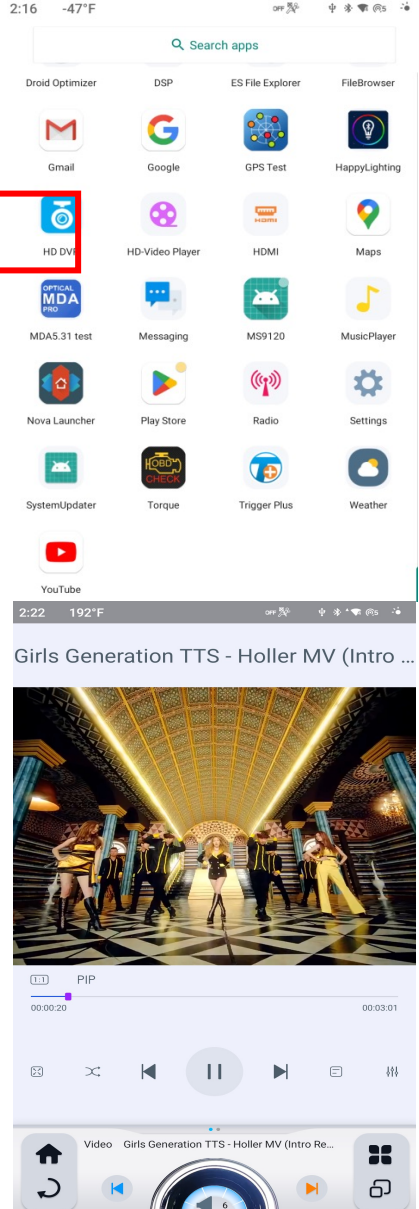
EQ, Sound effect mode or Custom mode

Video



HD-Video Player

Tap the app to open the player (*plays locally stored video files only*)



Select Video Window Size



PIP Mode



Full Screen play mode



Play mode:
Single, Sequential,
Random



Previous/Pause/Next



Storage Select:
USB or Internal memory

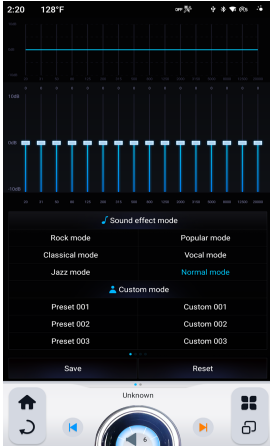


EQ, Sound effect mode or
Custom mode



Swipe to view pages:

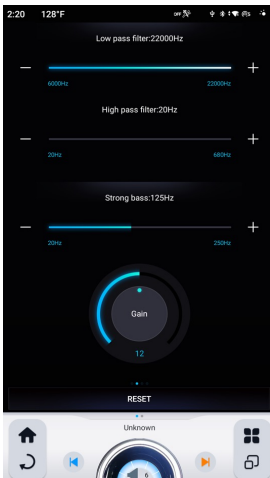
Equalizer & Presets:



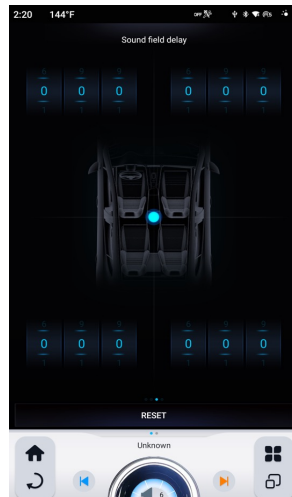
Balance/Fader:



LPF (Low Pass filter)
HPF (High Pass filter)
SUB (Crossover):



Sound Delay:

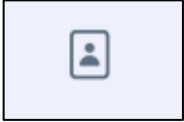
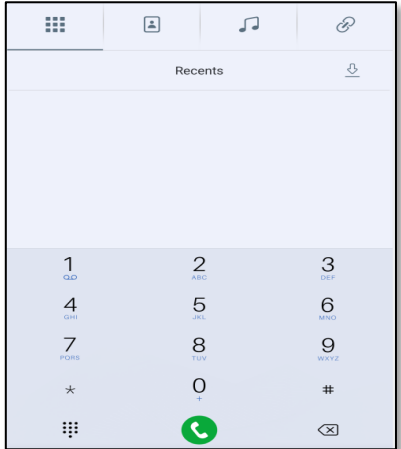


Bluetooth

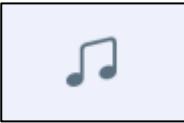


Tap the app to open the Bluetooth interface

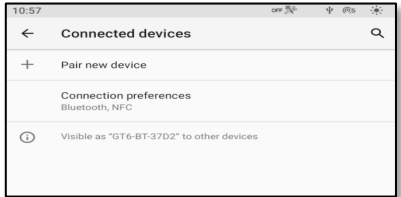
Bluetooth



Phone Book



Music Player



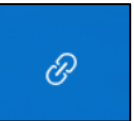
Pairing Menu



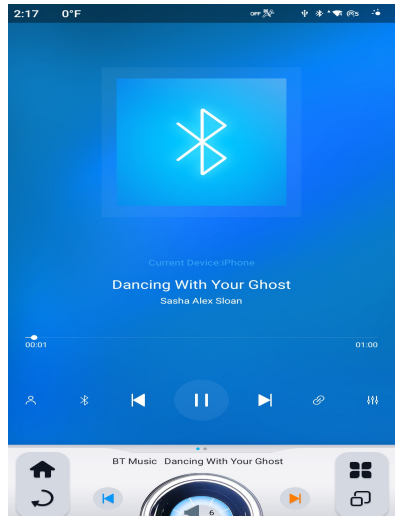
Switch to BT Call



Previous/Pause/Next



Pairing Menu



EQ, Sound effect mode or Custom mode

Wireless CP



Wireless / Wired AA



Tap the app to open the Car Play / Android Auto interface

CarAuto



Press "INFO" there will be a video guide to show how to connect the devices



Tap to open Android Auto interface



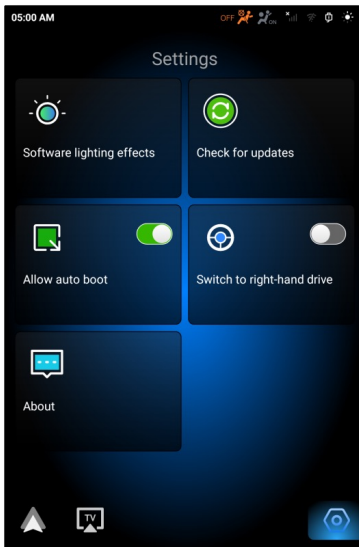
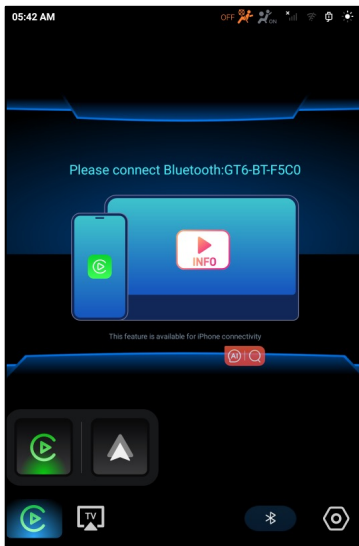
Tap to open Car Play interface



Tap to open DLNA Video Casting. Hit "INFO" to watch video guide



Tap to open Settings Menu. Turn on "Allow Auto Boot" to have Car Play / Android Auto connect automatically when radio boots up.



NOTE: Phone must be paired to Bluetooth and Wi-Fi must be "ON" on both the radio and the phone to allow wireless communication to occur

Climate Control



Climate

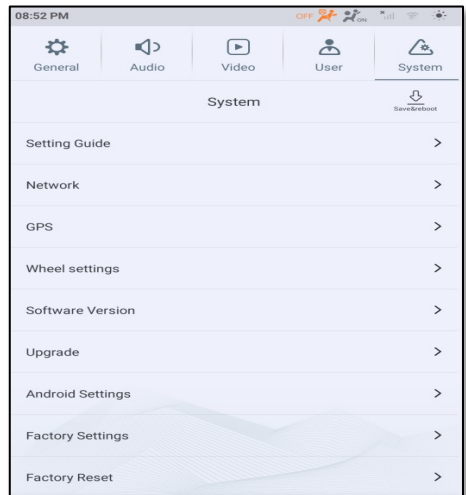
Tap the app to open the Climate interface
OR
Swipe bottom of the screen to the left



NOTE: For proper operation, A/C control type must be set first.
AUTO: If vehicle has *Automatic* climate control
MANUAL: If vehicle has *Manual* climate control

To set A/C type:

- "Settings"
- "System"
- "Setting Guide"
- "Car Model/AC"
- "F-150"
- Choose "AUTO" or MANUAL"
- "SAVE" and reboot

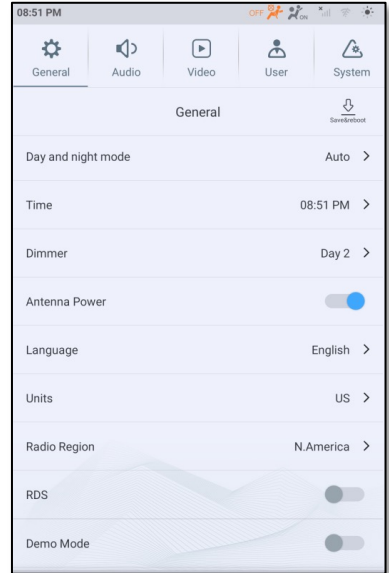


System Setting



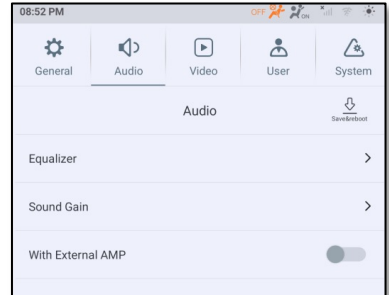
General Settings:

- **Day and night mode:** Set the radio as day or night model or Auto change
- **Time:** Set the Time, Time Zone, and Daylight Savings Time
- **Dimmer:** Set the Screen Brightness during the Day and Night
- **Antenna Power:** Activate the Powered FM Antenna Wire
- **Language:** Choose system Language
- **Units:** Change Temperature from US/Imperial to EU/Metric
- **Radio Region:** Change FM Radio Frequency by Country
- **RDS:** Enable/Disable RDS (Radio Data System)
- **Demo Mode:** Radio features descriptions



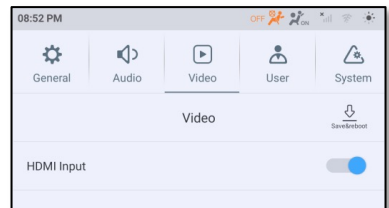
Audio Settings:

- **Equalizer:** View Equalizer Settings (See EQ Page)
- **Sound Gain:** Change source pre-amp level settings (Radio / Music / Video / BT / BT-Music / AUX / Navi / Others)
- **With External AMP:** Lowers output for use with factory amp (*not always necessary*)



Video Settings:

- **HDMI Input:** Enables HDMI input
NOTE: Optional HDMI module required for HDMI input

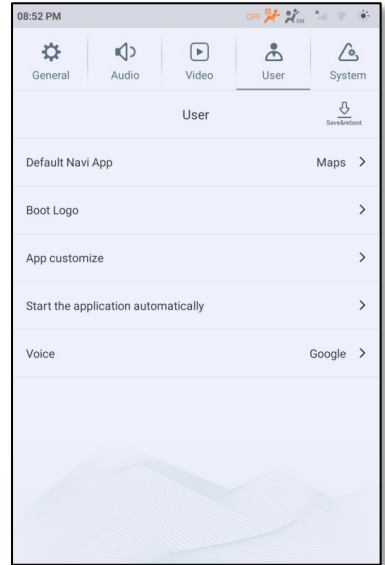


System Setting



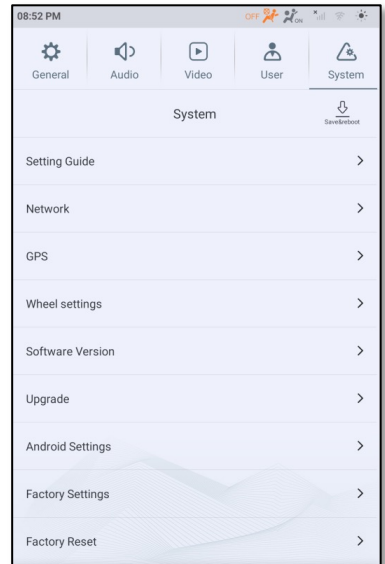
User Settings:

- **Default Navi App:** Select the App to use as default navigation
- **Boot Logo:** Set the Radio's startup boot image (The image must be 720x1280)
- **App customize:** Change the default app for Music & Video
- **Start the application automatically:** Select an app to start every time the radio starts
- **Voice:** Choose when navi voice feedback is to be heard



System Settings:

- **Setting Guide:** Vehicle Setup (See setting guide item)
- **Network:** Connect the radio to Wi-Fi
- **GPS:** Check GPS Signals
- **Wheel settings:** NOT USED
- **Software Version:** View current Software info
- **Upgrade:** Check for System Updates (Use Home Wi-Fi Only – NOT HOTSPOT)
- **Android Settings:** View the internal Android Settings menu
- **Factory Settings:** View Factory settings
- **Factory Reset:** Reset basic radio settings (DO NOT USE UNLESS INSTRUCTED BY LINKSWELL TECH)





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