



## QUICK START GUIDE

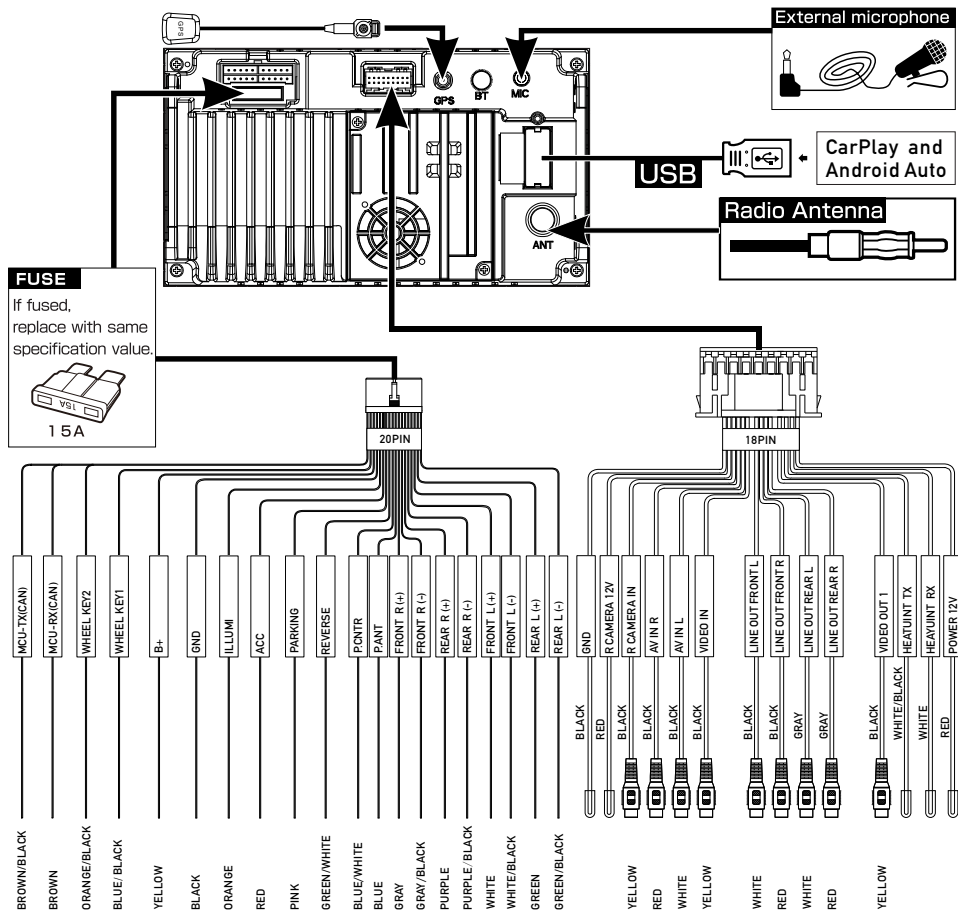
Multimedia Receiver with Wired CarPlay™ and Android Auto™ featuring a 9" digital TFT Display



androidauto



## Wiring Diagram - Inputs/Outputs



**Note:** When replacing a fuse, make sure to use the correct type and amperage. Using an incorrect fuse could cause damage. The unit uses (1) 15 amp ATC mini style fuse located on the power connector.

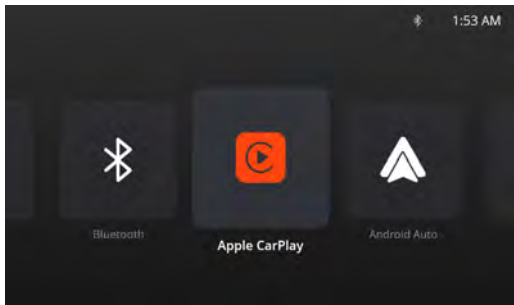
## Control Locations

The radio display features the following functions and displays:

- 1 Reset
- 2 Long press: in on mode, power off  
Short press: In on mode, Mute on/off.  
In off mode, power on;
- 3 Home
- 4 Voice Activation Button
- 5 VOL+
- 6 VOL-



## Main Menu



In main menu, press the desired icon to enter the corresponding mode: Radio/Bluetooth/Apple CarPlay/Android Auto/USB/AV IN/Settings.

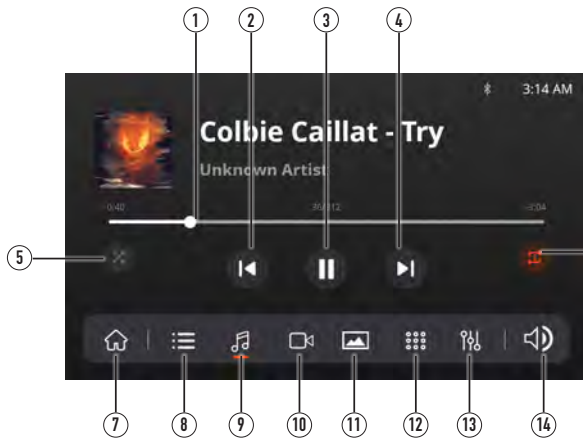
## Tuner Operation



- 1 Preset Stations
- 2 Seek Tune Down
- 3 Seek Tune Up
- 4 FM/AM ( FM1\FM2\FM3\AM1\AM2)
- 5 Local/Distance
- 6 Main Menu
- 7 Preset
- 8 Auto Store Presets/Prescan
- 9 Frequency Scale
- 10 RDS
- 11 Keypad
- 12 Equalizer
- 13 Volume adjustment

## USB Operation

From the main menu, touch the USB icon on the main screen.



- 1 Progress bar
- 2 Previous Track
- 3 Play/Pause
- 4 Next Track
- 5 Random
- 6 Repeat
- 7 Main Menu
- 8 Playlist
- 9 Audio Source
- 10 Video
- 11 Picture
- 12 Keypad
- 13 Equalizer
- 14 Volume adjustment

## Bluetooth Operation

### Before using Bluetooth

Before you can use a Bluetooth device to make hands-free calls or stream audio, it must be authenticated. This is also referred to as "pairing" a device.

### Pairing a New Device

After enabling the BT pairing function, other devices can search for the unit for 3 minutes, the unit can search for other devices constantly.

### Connection

The head unit will automatically connect to the last connected device when the connection feature is set to Auto Connect On. If the connection feature is set to Auto Connect Off, the head unit will not automatically connect to any device.

### Bluetooth Phone

From the main menu, touch the **Bluetooth** on the screen. Bluetooth icon will appear anytime a Bluetooth device is connected.

### Dialing a Number

Press to display keypad and dial a number.

### Making and Ending a Call

Press to connect a call, and press to end a call.

### Transferring Audio

Press to transfer sound between the head unit and mobile phone.

### Streaming Audio

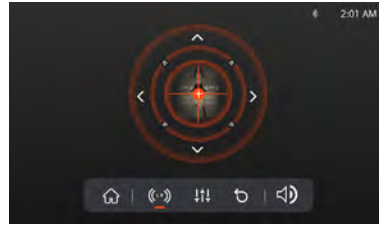
Press to play or pause the music.

Press to skip to the previous track.

Press to advance to the next track.

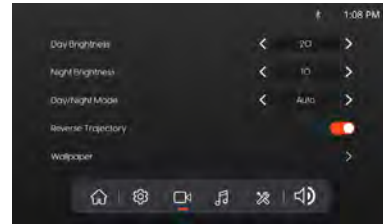
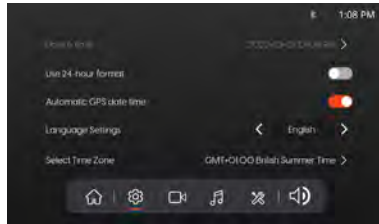
## Audio Operation

Press the Settings icon on the main menu screen to adjust Fader and Balance controls, Equalizer (10-Band Tone Control and 10 Presets EQ Settings).



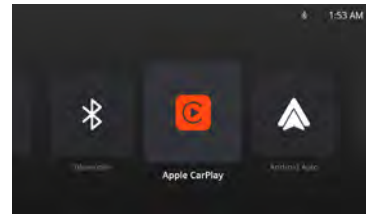
## General Operation

From the Main Menu screen, select Setup to access the Settings menu and select from categories represented by the icons on the bottom of the screen: General, Audio, Display, Others. Select the category, and adjust any of the available options using the touch screen.



## CarPlay Operation

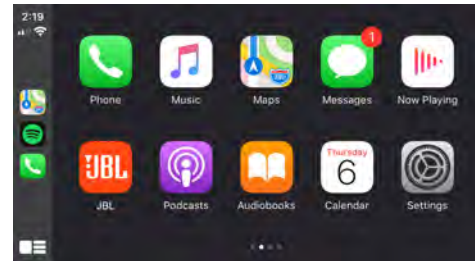
Connect your iPhone to the USB port then touch OK on your Phone when the pop-up message appears to allow interface accessories. The Apple CarPlay icon will now be enabled on the main menu.



- Press the CarPlay button on the Main menu to enter the operation interface.
- Enjoy the CarPlay function.

### Requirements

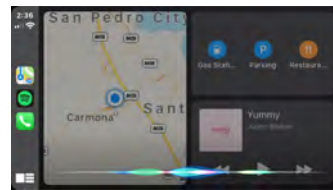
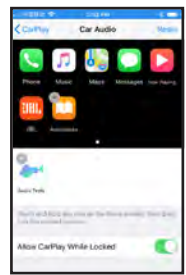
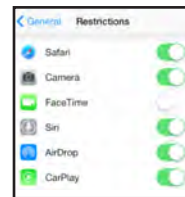
- Lightning Data Cable
- iPhone ® 5s or later
- iPhone with iOS 7.1 or later
- Data Plan
- Maybe need to set the permissions for the carplay app on your phone, open Screen Time-->contents -->Allowed app.



### Phone Setup(Before you begin):

- 1.Apple CarPlay ® features may operate differently than on your Apple iPhone ®.
- 2.Message and data charges may apply when using Apple CarPlay. Please check with your mobile carrier.
- 3.Apple CarPlay ® relies on the performance of your phone. If you experience performance issues:

- Close all apps and then restart them again.
- Disconnect and then reconnect your phone using the Apple Lightning cable that was provided with your phone is recommended.
- When Apple CarPlay ® is active, your voice recognition system is disabled and you will be using Siri ® to make your requests.
- On your phone, go to Settings > General > Restrictions > CarPlay to allow CarPlay access.
- On your phone, go to Settings > General > Siri and ensure Siri is turned ON.
- On your phone, go to Settings-->General-->Carplay can adjust the position of the icon displayed on the car, with or without. The option with "x" can be deleted, and the search can be done by clicking the "+" sign below.



Apple CarPlay uses Siri to perform many actions like sending messages, placing calls, and looking up/setting POI/Destinations. A Siri session can be initiated on any screen by:

- Touching and holding the Home icon on the CarPlay screen or
- Pressing the Voice button on panel or Steering Wheel, then say any of the following commands:
- "Text <Name> 'Call you later'" to send a text message.
- "Read text messages" to read available text message.
- "Call <Name>" to make a phone call.
- "Find <POI/Destination>" to locate a POI/Destination.

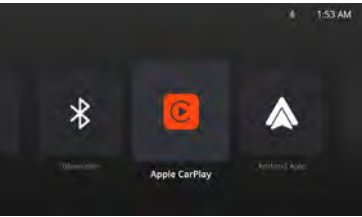


**NOTE:**  
Ensure Siri feature is set to ON in your phone (Go to Settings > General > Siri).



Android Auto Operation

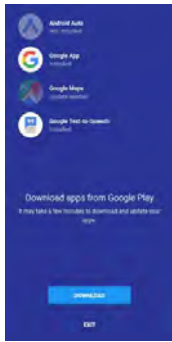
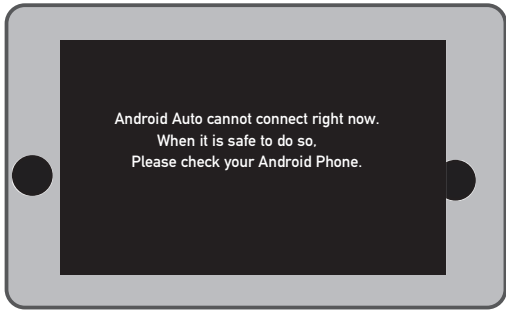
Connect your Phone to the USB port then touch OK on your Phone when the pop-up message appears to allow interface accessories. The Android Auto icon will now be enabled on the main menu.



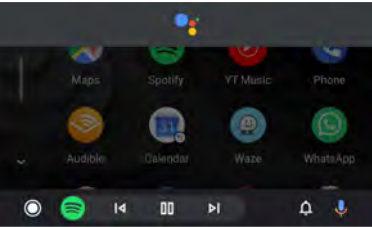
- Press the Android Auto button on the Main menu to enter the operation interface.
- Enjoy the Android Auto function.



Android Auto:  
Stop your vehicle and brake it in a safe location when first using the function. Phone will prompt you to download Android Auto app and other needed apps.



Android Auto uses Google voice actions for many functions. A Google voice action session can be initiated on any screen by:



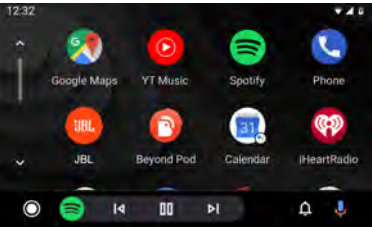
- Touching the Microphone icon on any screen.
- Pressing the Voice Recognition Button on panel or Steering Wheel.



Voice Command Button

**GOOGLE ASSISTANT**  
With your Google Assistant on Android Auto, you can keep your eyes on the road and your hands on the wheel while using your voice to help you with your day. Simply say, "Ok Google," or in compatible cars, long press the voice control button on your steering wheel.

Such as making a Call  
Touch the Phone icon to access recent call list. Or you can initiate a voice action and then say "Call <Name>" or "Dial <number>" to make phone calls from any screen.

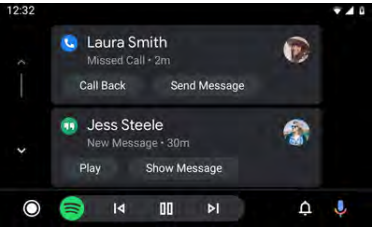


- Requirements
- USB Data Cable
  - Compatible Android® phone with OS Android 5.0 or higher
  - Data Plan
  - Android Auto App download from Google Play® store
  - Android Auto must be available in your country or region.

Phone Setup(Before you begin):

- Android Auto® features may operate differently than on your Android® phone.
- Message and data charges may apply when using Android Auto. Please check with your mobile carrier.
- Android Auto relies on the performance of your phone. If you experience performance issues:
- Close all apps and then restart them again or disconnect and then reconnect your phone
- Using the USB cable that was provided with your phone is recommended.
- When Android Auto is active, your in-vehicle voice recognition system is disabled and you will be using Google® voice actions to make your requests.

Overview



- Android Auto organizes recent actions and information into simple cards on the Android Auto Home screen. Touching an actionable card will take you to the app.

**NOTE:**

- For details about Android Auto, refer to the manual supplied with your Android phone, or visit the website of Android Auto.
- For details about Apple CarPlay, refer to the manual supplied with your iPhone, or visit the website of Apple CarPlay.

SPECIFICATIONS

|                                             |                                                                                                                                                                                                                           |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tuner bands                                 | AM/FM                                                                                                                                                                                                                     |
| AM Band for USA                             | 535 -1705 KHz (10 kHz STEP)                                                                                                                                                                                               |
| AM Band for Europe                          | 531 - 1602 kHz (9 kHz STEP)                                                                                                                                                                                               |
| FM Band for USA                             | 88 - 108 MHz (0.2 MHz STEP)                                                                                                                                                                                               |
| FM Band for Europe                          | 87.50 - 108.00 MHz (0.05 MHz STEP)                                                                                                                                                                                        |
| Bluetooth® version:                         | 4.2                                                                                                                                                                                                                       |
| Bluetooth® profile:                         | A2DP AVRCP GAVDP HFP OPP PBAP                                                                                                                                                                                             |
| Bluetooth® transmitter frequency range:     | 2402 MHz - 2480 MHz                                                                                                                                                                                                       |
| Bluetooth® transmitter power:               | 11 dBm (EIRP)                                                                                                                                                                                                             |
| Bluetooth® transmitter modulation:          | GFSK,Pi/4DQPSK,8DPSK                                                                                                                                                                                                      |
| Bluetooth® auto reconnect                   | Yes (most recently paired phone)                                                                                                                                                                                          |
| Serial Port Profile (SPP)                   | Yes                                                                                                                                                                                                                       |
| Simple Secure Pairing (SSP)                 | Yes                                                                                                                                                                                                                       |
| Number of paired phones                     | 8                                                                                                                                                                                                                         |
| Compatible media file formats               | Audio file with below extension<br>.mp3/.mp2/.mp1/.ape/.aac/.flac/.m4a/.ogg/.mka/.wav/<br>.pcm/.ec3/.amr;<br>Video files with below extension<br>.mp4/.3gp/.mov/.m4v/.mkv/.flv/.hvl/.mpeg/.avi/.divx/<br>.xvid/.wmv/.asf; |
| Maximum number of files on USB device       | 10000                                                                                                                                                                                                                     |
| RMS Power Output (Watts x Channel) @ 4 -ohm | 25 W x 4                                                                                                                                                                                                                  |
| Frequency Response, +/- 3 dB                | 20 Hz to 20 kHz                                                                                                                                                                                                           |
| Signal-to-Noise Ratio                       | >70dB                                                                                                                                                                                                                     |
| THD+N @ 4-ohm (amplifier)@ ROP              | 1 %                                                                                                                                                                                                                       |
| THD+N @ 4 Vrms (RCA outputs)                | 0.5 %                                                                                                                                                                                                                     |
| Operating voltage                           | 9 V – 16 V                                                                                                                                                                                                                |
| Quiescent current                           | < 8 mA                                                                                                                                                                                                                    |
| Maximum operation temperature               | 70 °C                                                                                                                                                                                                                     |

CAUTION:

This device complies with Part 15 of the FCC Rules. Operation is subject 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.  
changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.  
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 reasonable protection against harmful interference in a residential installation. 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, the user is encouraged to try to correct the interference by one or more of the following measures:  
-- Reorient or relocate the receiving antenna.  
-- Increase the separation between the equipment and receiver.  
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
-- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



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