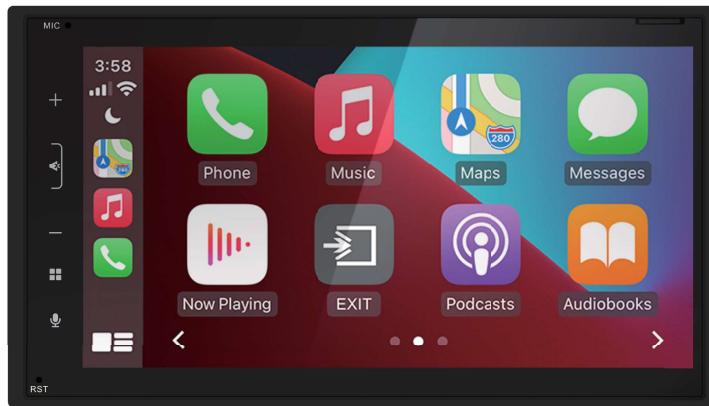


USER MANUAL

Wireless Apple Carplay & Android Auto

MP3-COMPATIBLE DIGITAL MEDIA AM/FM RECEIVER
FEATURING 6.75" (171 mm) CAPACITIVE TOUCHSCREEN
AND MULTICOLOR ILLUMINATION OPTIONS



Contents

Contents.....	1	How to Disable Apps.....	11	Display.....	15
Important.....	3	Android Auto.....	12	Media.....	16
Basic Product Operation.....	4	Android Auto App.....	12	USB/Micro SD playback.....	16
What comes in the box.....	4	Minimum System Requirements.....	12	Audio Control.....	16
Front Detail.....	5	Updating Related Apps.....	12	Video Control.....	16
Rear Detail.....	6	Wired Connection via USB Port.....	12	Photo Control.....	16
Using and Caring for the Touchscreen.....	7	Wireless Connection.....	12	Navigating Menu.....	16
Product Setup (Date & Time).....	8	Bluetooth®.....	13	Radio.....	17
Navigating the Menus.....	9	Hands-Free Menu.....	13	FM/AM	17
Using CarPlay.....	10	Enable Bluetooth Connection.....	13	Radio/Home Screen.....	17
Note.....	10	Phonebook and History.....	13	RDS/ RBDS.....	17
Wired Connection via USB Port.....	10	Device Status.....	13	Favorites and Presets.....	17
Wireless Connection.....	10	Calling.....	14	Stereo/Mono.....	17
Gestures & Control.....	10	Searching History.....	14	LOC/DX.....	17
Apple CarPlay.....	11	History.....	14	AV In/Camera.....	18
Using CarPlay.....	11	Audio Streaming.....	15	External Source.....	18
CarPlay Display Setup.....	11	Track Control.....	15	Rear View.....	18
		Formats.....	15	Rear View Delay.....	18
		Switching Media.....	15	Settings.....	19

Contents

Time Zone.....	19	Parking Brake.....	27
Power Off Delay.....	19	WARNING.....	27
Audio.....	20	Hands-free Mic.....	28
Preset EQ.....	20	Placement.....	28
Subwoofer.....	20	Troubleshooting.....	29
Internal Amp.....	20	Issues/Cause/Solution.....	29
Display.....	21	Specifications.....	31
Gamma.....	21		
LED Animation.....	21		
UI settings.....	21		
Auto Answer.....	21		
Camera.....	22		
Radio.....	22		
Connections.....	22		
Power/SWC.....	23		
Speakers.....	24		
Audio Pre-amp/AV IN/ Radio/GPS.....	25		
Camera/USB/MIC.....	26		
Images may appear reversed.....	26		

Important

This symbol with “WARNING” is intended to alert the user to the presence of critical instructions/procedures. Failure to observe the instructions/procedures can result in injury, death, damage to the product and/or property.



This symbol with “CAUTION” is intended to alert the user to the presence of important instructions/procedures. Failure to observe the instructions/procedures can result in injury or damage to the product and/or property.



Use of the Apple CarPlay logo means that this user interface meets Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this product with iPhone may affect wireless performance.

iPhone® is a trademark of Apple Inc., registered in the U.S. and other countries.

Apple CarPlay is a trademark of Apple Inc.

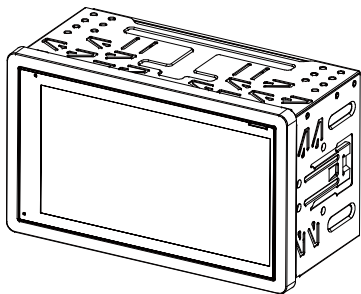
Android Auto is a trademark of Google LLC.

Basic Product Operation

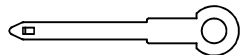
What comes in the box

Hardware

Qty1 Q675WCA(Trim Ring/Sleeve fixed)



Qty 1 Mounting Hardware Set



Release key 2



Mounting Strap 1



Hex Bolt 1



Hex Nut 1



Tapping Screw 5x18 1



Spring Washer 1



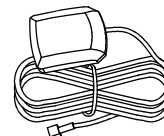
Plain Washer 1

Connections

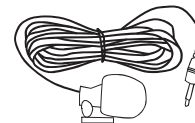
Qty 1 Wire Harness



Qty 1 GPS Antenna

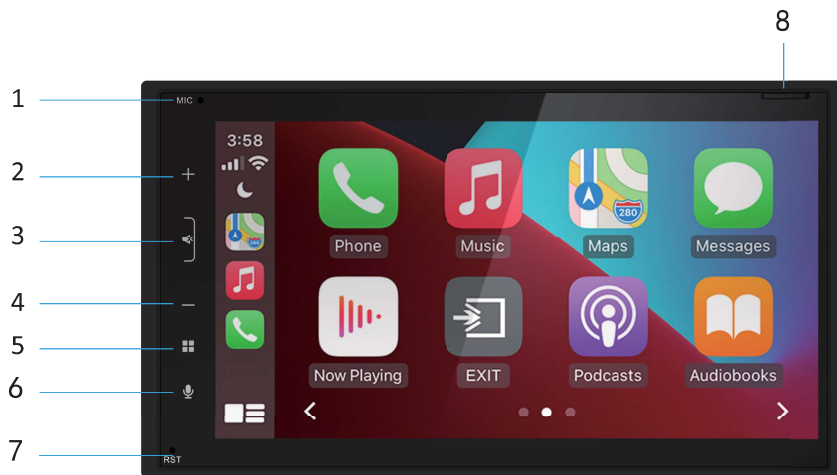


Qty 1 Hands-free Microphone



Basic Product Operation

Front Detail



1. Front Microphone

2. Volume+

3. Mute/Screen off

4. Volume-

5. Main menu/Power off

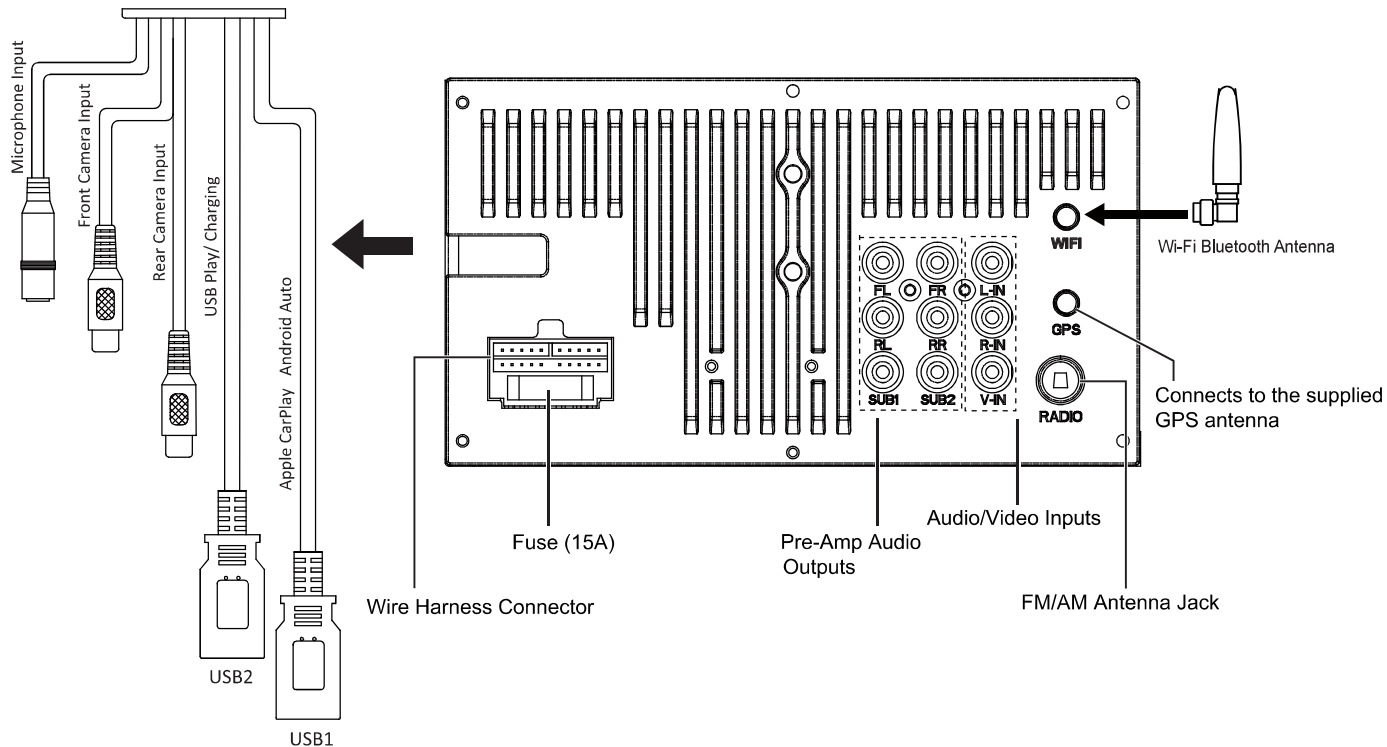
6. Voice Assistant

7. Reset button

8. Micro SD card slot cover

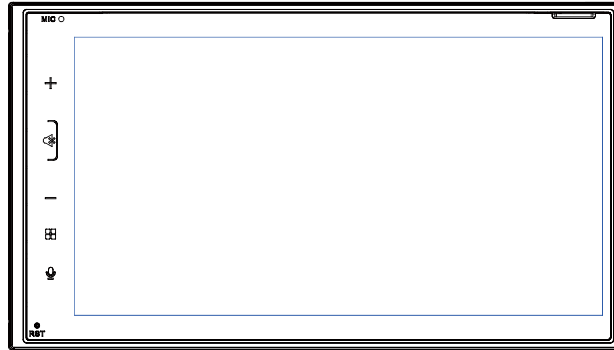
Basic Product Operation

Rear Detail



Basic Product Operation

Using and Caring for the Touchscreen



Use:

This head unit utilizes a Capacitive Touchscreen, the same type that is used on high-end mobile devices. It should be used for and cared for like that type of device. As with all capacitive type technology, if your fingers are wet or sweaty, it will not function properly.

Do not allow any sharp objects to come in contact with the screen glass.

Care and Cleaning:

To clean the screen, use a dry microfiber type cloth to clean. Do not use ammonia, window cleaner, or any other type of household chemicals to clean the screen. Abrasives should not be used at all.

Basic Product Operation

Product Setup (Date & Time)

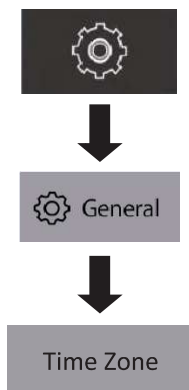
Setup Option A: CarPlay Method

Connect your iPhone to this unit through Apple CarPlay in a wired or wireless way.

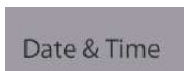
After CarPlay connection, date and time will automatically set.

Time zone must be set manually.

The default is Pacific Time zone.



Setup Option B: Date and Time



Additional Setup

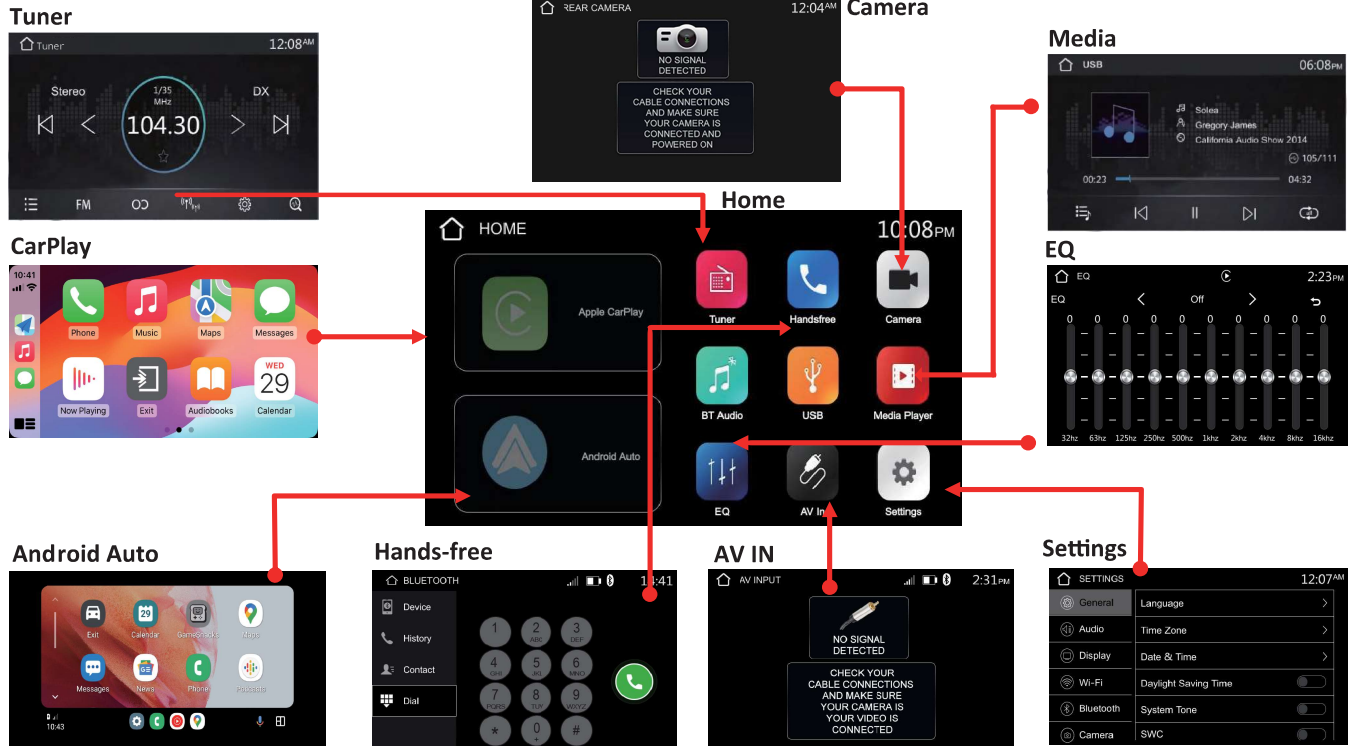
General > Language

Audio > EQ, Other Audio Settings

Display > Illumination, Brightness

Basic Product Operation

Navigating the Menus



Apple CarPlay

Using CarPlay

Note

Apple CarPlay usage is limited while driving. Functions, content, and usability is determined by the App provider(s). Controls will vary with each App that is available for CarPlay. For more details visit:
<http://www.apple.com/ios/carplay>

WARNING

Familiarize yourself with your Local and State laws regarding mobile devices. Certain functions of an iPhone might be prohibited and or illegal while driving in your location. When in doubt, park the vehicle and engage the parking brake first before performing the function(s).

Wired Connection via USB Port

Connect your iPhone to the USB port (labeled “**Apple CarPlay**”) with a lightning cable (not included) to enable CarPlay connection. For the initial USB connection, you will be prompted to enable wireless CarPlay on your iPhone.

Wireless Connection

Enable Wi-Fi and Bluetooth on your iPhone. For first-time use of wireless CarPlay between your iPhone and this unit, you need to allow wireless CarPlay use via either of the pairing:

- Bluetooth pairing. On your iPhone, go to **Settings > Bluetooth** then select “**Q675WCA**” for pairing. Enable wireless CarPlay when prompted on your iPhone.
- Initial USB port connection for CarPlay.

To enable CarPlay connection

Bluetooth connection will disable wireless CarPlay connection. On the home screen, go to **Handsfree > Device** then touch the paired iPhone name to enable wireless CarPlay connection.

To enter CarPlay menu

Touch the “Apple CarPlay” icon on the home screen.

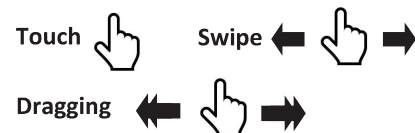
Note

If you do not allow wireless CarPlay use during first-time CarPlay connection, wireless CarPlay will be disabled on your iPhone. To use wireless CarPlay later, you need to enable CarPlay on your iPhone (go to **Settings > General > CarPlay > paired device** then enable its CarPlay).

When connecting to CarPlay, Bluetooth on this unit will be automatically disabled. In this case, you can make hands-free calls and stream music through CarPlay.

Gestures & Control

Basic controls, but not limited to:



Other gestures and controls might differ from apps.

Note

Volume control is handled exclusively by this unit.

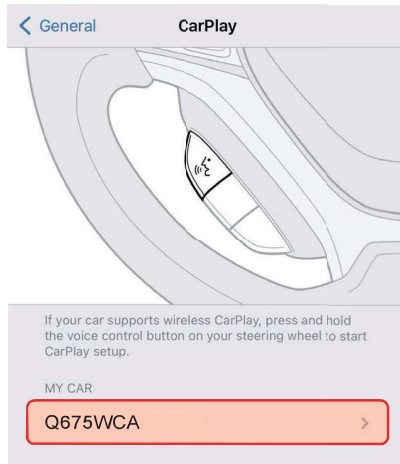
Apple CarPlay

Using CarPlay



CarPlay Display Setup

You can add, remove, or arrange the order of the apps on the CarPlay screen of the unit.

1. On your iPhone, go to **Settings > General > CarPlay**, select this unit's name from the device list (shown below). Then select **Customize** to access CarPlay apps.

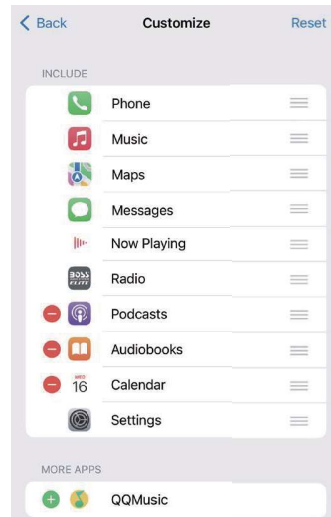


2. Touch and drag an app (≡) to change the order of an app.

Touch  or  to remove and add apps.

Note

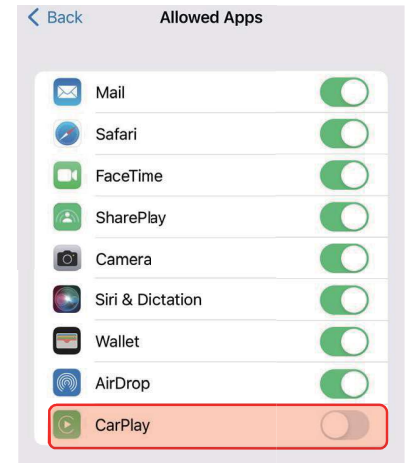
Only apps with  or  can be removed from CarPlay or added in CarPlay.



Disable Apps

You can disable all CarPlay apps to restrict CarPlay use on this unit.

On your iPhone, go to **Settings > Screen Time > Contents & Privacy Restrictions > Allowed Apps > CarPlay**.



Android Auto

Using Android Auto

Note

Android Auto usage is limited while driving.

Functions, content, and usability is determined by the App provider(s).

Controls will vary with each App that is available for Android Auto.

For more details visit:

<https://www.android.com/auto/>

WARNING

Familiarize yourself with your Local and State laws regarding mobile devices.

Certain functions of the mobile device might be prohibited and/or illegal while driving in your location.

When in doubt, park the vehicle and engage the parking brake first before performing the function(s).

NOTE

To complete the setup properly, the parking brake status wire must be connected.

WARNING

For your safety, the setup process **MUST** be accomplished while the vehicle is **Parked and Parking Brake Engaged**.

Android Auto App

For Android 9.0 or earlier, download and install the Android Auto app from Google Play. For smartphone with Android 10.0 or later, plug in your phone and follow the prompts on your phone to accept the permissions that Android Auto requires.



Minimum System Requirements

- Wired connection: Android 6.0
- Wireless connection: Android 11.0

For a list of compatible devices:

<https://www.android.com/auto/>

Updating Related Apps

During the first start up and setup of the Android Auto app, the Maps, Music, Google apps will install/update automatically.

Wired Connection via USB Port

Connect your phone to the USB port (labeled “Android Auto”) with a USB cable (not included) to enable Android Auto connection.

For the initial USB connection, you will be prompted to connect wireless Android Auto on this unit.

Wireless Connection

Enable Wi-Fi and Bluetooth on your Phone.

For first-time use of wireless Android Auto between your phone and this unit, you need to allow Android Auto use via either of the pairing:

- Bluetooth pairing. On your phone, go to **Settings > Bluetooth** then select “Q675WCA” for pairing.
- Initial USB port connection for Android Auto.

To enable Android Auto connection

Bluetooth connection will disable wireless Android Auto connection.

On the home screen, go to **Handsfree > Device** then touch the paired phone name to enable wireless Android Auto connection.

To enter Android Auto menu

Touch the “Android Auto” icon on the home screen.

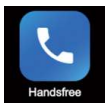
When connecting to Android Auto, Bluetooth on this unit will be automatically disabled.

Bluetooth®

Setup & Connection

Hands-Free Menu

Touch



NOTE

Enabling CarPlay or Android Auto will disabling Bluetooth connection.

Compatibility with all mobile devices is not guaranteed. Please read through the user guide of the mobile device.



CAUTION

For your safety, the setup process should be accomplished while the vehicle is parked and parking brake engaged.

First time Pairing

Pair this product with your Bluetooth device before you can make hands-free calls or stream music through Bluetooth.


Bluetooth pairing can be made through initial connection to CarPlay or Android Auto. Or follow the instructions below to complete it.

On your mobile device, go to **Settings > Bluetooth** then select “**Q675WCA**” for pairing.

Follow the prompts on your mobile device and this product to complete Bluetooth pairing.

Enable Bluetooth Connection

When CarPlay or Android Auto is connected to this product, Bluetooth connection will be disabled. In this case, you need to enable Bluetooth connection.

On the home screen, go to **Handsfree > Device** then touch . Tap the icon again to disconnect Bluetooth connection.



For wired CarPlay or Android Auto connection, unplug the connection cable for use of Bluetooth connection.

When Bluetooth is enabled, CarPlay or Android Auto will be disabled. You can now make hands-free calls or stream music through Bluetooth (on the home screen, touch the “**Streaming**” icon to access Bluetooth streaming).

Phonebook and History

To **Download Phonebook**:

1. Touch **Contact > Download**

To **Download History**

1. Touch **History > Download**

Device Status

Battery and Cellular Strength is displayed on the top right of the Home menu.

GATT Profile support is required on the mobile device.



Hands-Free

Calling

Making & Receiving Calls

1. Dialing from the dial pad

Touch  to make call

2. Contacts

Touch the contact name

3. History

Choose the name, then

To **End** a call **Touch** 

To **Mute** a call **Touch** 

Dial pad

To use the dial pad while on a call

Touch 

Searching History

Swipe Up or Down to search



History


1. Outgoing Call 


2. Incoming Call 

3. Missed Call 

Private Mode

When a call needs to be transferred to the mobile device:

Touch  to switch the mobile device


Touch  to return to hands-free mode

Searching Contacts

Contacts must be downloaded to search.

1. **Touch** 
2. **Enter the Contact Name**, then

Voice Assistant (Push-To-Talk)

From the home screen, go to  (**Settings**) > **Bluetooth** to access the following options.

Connection: **ON**

Auto Connect: **ON**

Auto Answer: **OFF**

Device Name: **BOSS AUDIO BE920WCPA**


Clear Records

Voice Assistant (Push-To-Talk)

You can access smartphone voice assistant through the unit.

Before you start


- Enable Bluetooth connection between your smartphone and the unit, or enable Apple CarPlay/Android Auto.
- Make sure the supplied hands-free microphone is connected to the Microphone Input of the unit for audio input.

Simply press  on the front panel to activate voice assistant, then speak your command.

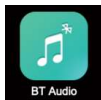
Audio

Audio Streaming

To play media through Bluetooth, the mobile device must be **Paired and Connected** to the **Q675WCA**.

If CarPlay or Android Auto is connected, you need to enable Bluetooth on this product (on the home screen, go to **Handsfree > Device** then tap ).




For wired CarPlay or Android Auto connection, unplug the connection cable for use of Bluetooth connection.



1. **Touch**

The music will play automatically.

Track Control

1. Play/Pause 
2. Track Fwd / Rev 
3. **Swipe** to Fwd/Rev 

Note

For best performance, your mobile device volume setting should be set to maximum.

All volume adjustments for the system should be controlled from the product.

The unit will recall the last volume setting on your mobile device every time Bluetooth connection is made.

Formats

Playback is supported from the mobile device with any format it can play.

Audio will only be played by the product.

Video cannot be viewed on the unit.

Switching Media



Available sources will display **(Bluetooth and USB)**

Note

USB source will only be displayed if a USB drive is inserted and has playable media.

Display

Track info will be displayed when available.

Track, Album and Artist.

Album art is not supported via Bluetooth playback.

Media

USB/Micro SD

USB/Micro SD Playback

Touch



The music will play automatically.

Audio Control

1. Play/Pause 
2. Track Fwd / Rev 
3. Repeat ALL 
4. Repeat One 
5. Random 

Note

If there are other files in the USB/Micro SD card, music files will play first.

Video Control











1. Play/Pause 
2. Track Forward/Backward 
3. Repeat All 
4. Repeat one 
5. SETUP 

Photo Control

1. Play/Pause 
2. Track Forward/Backward 
3. Repeat All 
4. Repeat One 
5. Rotate 

Navigating Menu

Touch



To browse contents, **Swipe**



To return to the current file playing,

Touch 

Note

Review the connections of this product, to properly integrate the parking brake wire to the vehicle.

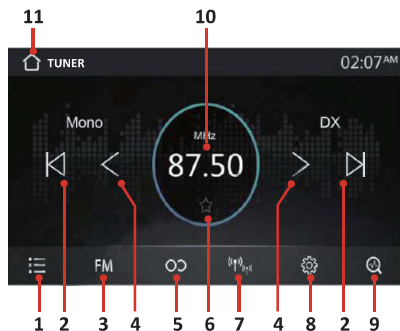
Video and or photos cannot be viewed while driving. The vehicle must be stationary and the parking brake applied to enable viewing.

Radio

FM / AM

On the home screen, touch the Tuner icon to switch to radio.

Radio Home Screen



1. Access the list for stored FM, AM, or favorite stations.
2. Tune to a station, or select a stored station.
3. Switch between FM and AM.
4. Adjust radio frequency in steps.
5. Switch between Stereo and Mono FM.
6. Set/remove the current station as favorite.
7. Switch FM reception between local (LOC) and distant (DX).

8. Access radio setting menu.
9. Search and store FM or AM stations.
10. Touch the station frequency to access the favorite stations list.
11. Return to the Home Menu screen.

RDS/RBDS

The unit has RDS/RBDS function which enables FM stations to send additional information when broadcasting radio.

See page 27 for RDS/RBDS settings.

Tune to a Radio Station

Touch and hold \ll \gg . The unit automatically tunes to a station with strong reception.

To fine tune a station

Touch $<$ $>$ to adjust frequencies step by step.

Store Radio Stations Automatically

Touch \mathbb{Q} to perform radio search. All available stations in FM or AM band are stored on the unit.

Select a Stored Station

Touch briefly \ll \gg to select a stored station.
Or touch \equiv to access the station list for the stored FM and AM stations.

Set a Favorite Station

When listening to a station, touch \star to set the current station as favorite. The gray star icon will turn to the red star icon.

To remove a favorite, touch \star .

To access the set favorite stations, touch the radio frequency displayed. The favorite list appears.

Switch between Stereo and Mono FM

In FM, touch \odot to select Stereo or Mono FM.

Select Stereo to receive FM stereo broadcast.

When the signal is weak, select Mono to improve sound quality (stereo effect will be lost).

Switch between Local and Distant FM

In FM, touch $\left(\begin{smallmatrix} \text{LOC} \\ \text{DX} \end{smallmatrix}\right)$ to select local or distant reception.

"LOC" display indicates local reception, "DX" display for distant reception.

Select "DX" when most radio stations are weak (e.g. in the countryside). FM stations with strong and weak signals will be received.

Select "LOC" when most radio stations are strong enough (e.g. in urban areas). FM stations only with strong signals will be received.

AV In/Camera

External Source

Playback

Touch



Media must be controlled from the external device.

Track functions are not controlled from the product.

Note

To adjust the volume level properly, the carry-in device volume should be set between 50 % - 75%. The volume level should remain at that level for the remainder of the time it is connected to the product.

WARNING

Never rely solely on the rear view camera; always check your surroundings before proceeding.

Images may appear reversed

Do not use features of this product if it cannot be operated safely and legally in your location.

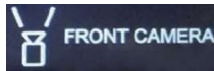
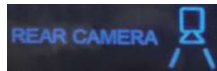
Rear View

The rear view camera can be displayed on demand.

Touch



If the user opens the SETTINGS interface and turn on both FRONT CAMERA and REAR CAMERA functions, you can choose REAR CAMERA and FRONT CAMERA casually.



To return to the Home screen

Touch



Reverse View

When the vehicle is put into reverse gear, the camera will display the image on the screen.

CHECK SURROUNDINGS BEFORE PROCEEDING



Rear View Delay

Due to varying vehicle configurations, the rear view trigger can be delayed to best suit the vehicle.

Default setting: **0 Sec** Delay

Note

The rear view camera will still function normally, if the product is in standby mode.

Settings

General

System Language

English (Default)

Note

CarPlay is independent of the system language setting.

Time Zone

Adjust to correctly display time

Date & Time

24H Mode



Auto Adjust Daylight Saving



Note

If using an CarPlay, the iPhone will automatically set date & time. Time Zone needs to be adjusted manually.

System Tone



Power Off Delay

Some vehicles during crank to start will interrupt the accessory power.

If the product re-boots during crank to start, Turn **ON** delay

The delay can select 1, 2 or 3 sec.

Default Setting: **OFF**

Note

Power Off Delay **ON** will also delay when the vehicle is turned OFF.

This might affect hands-free functionality during a call.

Factory Settings

To restore settings to default:

Touch 



CAUTION

Will restore all settings to factory defaults.

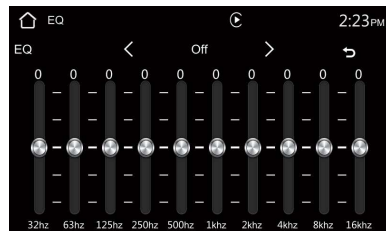
All settings and presets will be lost.

Settings

Audio

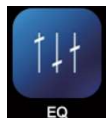
EQ

To access the EQ menu



Note

The EQ can also be directly accessed while changing the volume. The volume display will show the EQ icon, you can touch to access the Audio Settings.



Preset EQ

Jazz, HipHop, Pop, Rock, R&B

Balance/Fader

Left/Right Balance, Touch



Swipe for quick adjustment



Front/Rear Fader, Touch



Swipe for quick adjustment



Subwoofer

The level and filter can be adjusted for the Sub pre-amp output.

Level, 1-14 dB

Swipe 

Filter: 50 Hz, 80 Hz, 120 Hz, 160 Hz

Touch \pm to select a cutoff frequency for your subwoofer.

Loudness

Enhances and gently boosts low and high freq.

Touch 

Internal Amp

To reduce the possibility of noise entering the signal chain when utilizing the audio pre-amp outputs, the internal amp can be turned OFF

Touch 

Default Volume

Adjust startup/initial volume for Main (Radio, Media), Hands-free (BT Ring, BT Talking), Apple CarPlay/Android Auto (Navi, Voice).

Startup/initial volume will be the set volume if the set volume is less than the last shutdown/used volume.

Startup/initial volume will be the last shutdown/used volume if the set volume is greater than the last shutdown/used volume.

Source Level

Adjust volume independently for each source (Radio, USB, Micro SD, BT Audio, AV Input, Apple CarPlay, Android Auto).

Settings

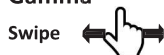
Display

Illumination Control



When the vehicle lights are on, the products illumination can be customized for night use.

Gamma



Gamma can be adjusted for both day and night settings.

Screen Brightness



Screen brightness can be adjusted for both day and night settings.

UI settings

Wall paper

Touch to change

Background Brightness



Connection



Power On/Off Bluetooth

Default Setting: **ON**

Auto Connect



Auto connects to the device when the product is powered ON

Default Setting: **ON**

Bluetooth

Auto Answer




Auto answers when there is an incoming call.

Default Setting: **OFF**



Note

Bluetooth will turn **OFF** automatically when CarPlay or Android Auto is connected. If other devices are connected via Bluetooth, they will be disconnected for CarPlay/Android connection.

To enable Bluetooth connection, on the home screen, go to **Handsfree > Device** then tap . For wired CarPlay or Android Auto connection, unplug the connection cable for use of Bluetooth connection.

Settings

Bluetooth

Rear Camera Input

Turn on if you have a rear view camera, turn off if you have not.

Front Camera Input

Turn on if you have a front view camera, turn off if you have not.

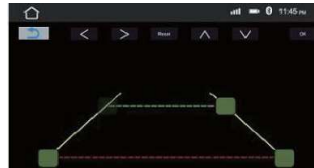
Parking Assist Guide

Turn off if your rear view camera have parking assist guide, turn on if you have not.

Parking Assist Guide Adjust

If your rear view camera does not have parking guide lines, turn on the parking guide lines built in this unit and adjust the guide lines if found necessary.

Camera



Touch and drag a square icon to reposition the related guide line. Repeatedly touch an arrow icon to fine tune positioning of the related guide line. Touch the OK icon to confirm the adjustment. To reset to the default positioning of the guide lines, touch the Reset icon.

Rear View Delay

0 Sec (Default), 0.1 Sec, 0.5 Sec, 1 Sec, 2 Sec
When switching from Park to Drive, or vice versa, the camera should not trigger on the display.
Sensitivity should be adjusted to trigger only on reverse gear selector.

Radio

Region

Default Setting: Europe

US Tuner Spacing: FM (200 KHz), AM (10 KHz)

European Spacing: FM (50 KHz), AM (9 KHz)

RDS/RBDS

Enable or disable RDS/RBDS function.

When enabled, it also allows FM stations to display additional information (i.e. station name, program type or other dynamic/static message).

TA (Traffic Announcement)

When enabled, the unit will automatically tune in to traffic information broadcast while receiving FM broadcasts or playing media. Once the traffic announcement ends, the original source will automatically resume.

AF (Alternative Frequency)

When enabled, the unit will automatically locate the same tuning program on other stations and select the strongest signal of those being broadcast.

This feature is most useful on long trips when your car goes out of the range of a radio station.

Connections

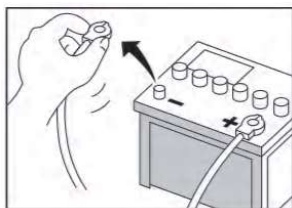
Power/SWC

CAUTION

It is recommended to have the product installed by a certified installation professional.

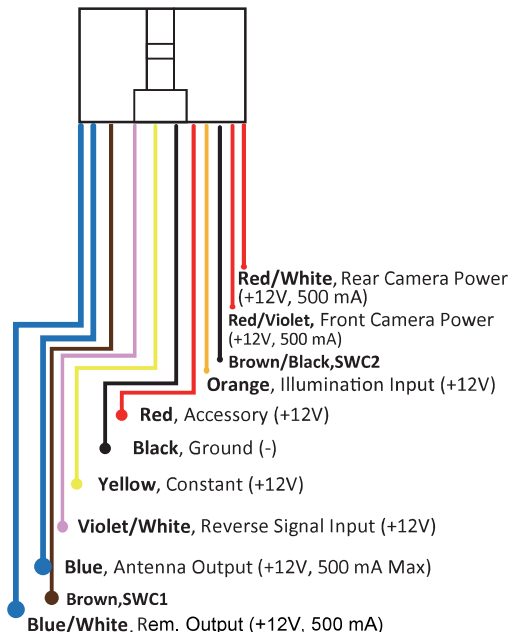
CAUTION

Before installation, or wiring connections, disconnect the negative (-) battery terminal to prevent damage to the product, and/or possible injury.



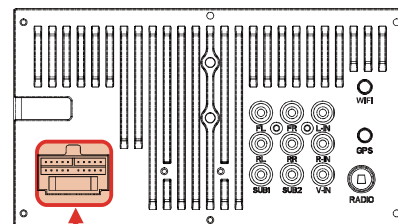
CAUTION

Remote Out is 500 mA max output rating. If several amplifiers are to be used, it is recommended to use a relay for the Remote Out trigger.



Note

Unused input/output wires need be insulated with tape, heat shrink, or crimp connectors. **Never use wire nuts.**



Note

A separate interface might be needed for your vehicle application. It is recommended that you consult with a professional installer.

Note

When replacing the fuse, always do so with the same type and value (15 A).

Connections

Speakers

CAUTION

Do not chassis ground any speaker wire leads.

CAUTION

Only use 4-8 Ω Speakers

Do not use 1-3 Ω Speakers

CAUTION

Do not bridge any of the channels, they are only to be wired in stereo mode.

Note

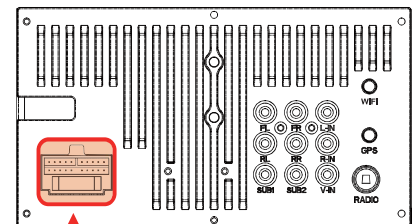
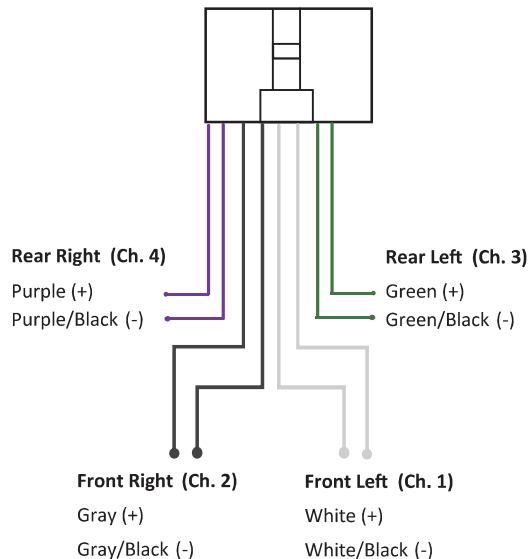
Unused speaker wires need be insulated with tape, heat shrink, or crimp connectors.

Never use wire nuts.

If the speaker outputs are not used, turn **Off** the internal amp to reduce the possibility of noise entering the signal chain.

Note

Observe speaker polarity when making connections.



Location to plug in

Connections

Audio Pre-amp/AV IN/ Radio/GPS

Note for Wi-Fi/Bluetooth Antenna

This unit comes the Wi-Fi/Bluetooth Antenna which is attached to the rear of the unit.

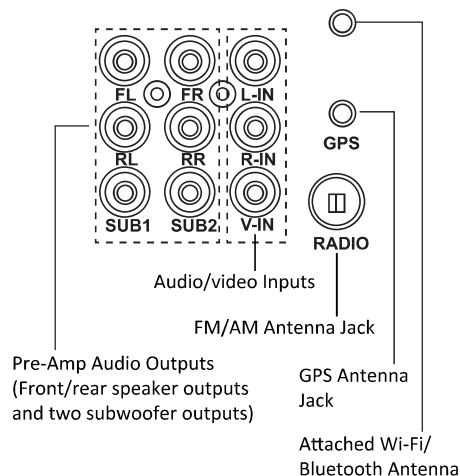
The antenna is designed for wireless reception between the unit and your smartphone when using wireless Apple CarPlay or Android Auto.

Verify the antenna is screw tightened for good signal reception.

Note for GPS Antenna

This unit has GPS positioning function which is only used as an auxiliary function of navigation used by wireless Android Auto / Apple CarPlay.

If the following icon is displayed on the top of the screen, this indicates no or improper GPS antenna installation. Check whether the supplied GPS antenna is correctly and securely installed on the rear of the unit.



i Note

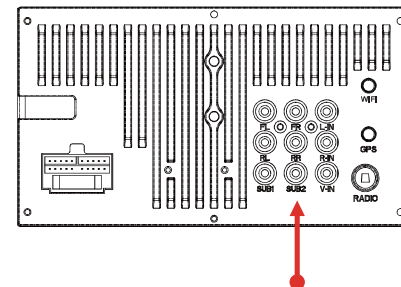
Subwoofer Pre-amp is a non-fading mono output.

i Note

Always run signal wires away from power cables to reduce the possibility of noise.

i Note

If pre-amp outputs are being used exclusively, turn **Off** the internal amp of the product, to reduce the possibility of noise entering the signal chain.



Location to plug in

Connections

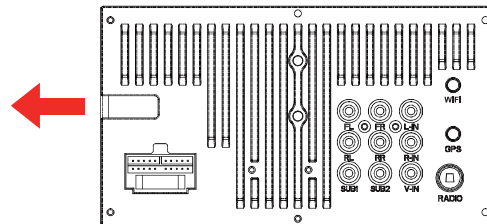
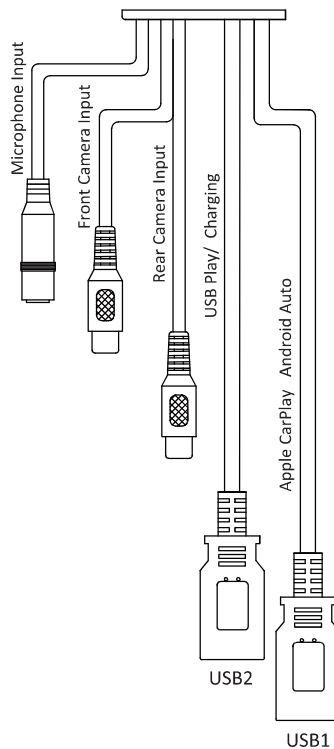
Camera/USB/MIC

WARNING

Never rely solely on the rear view camera; always check your surroundings before proceeding.

Images may appear reversed

Do not use a feature of this product if it cannot be operated safely and legally in your location.



Connections

Parking Brake

WARNING

Improper connection or use of the parking brake status wire, (i.e. defeating the safety feature) violates Federal, State, and Local laws. This may lead to injury, property damage, and/or death.

WARNING

Watching videos or photos while driving is against Federal, State, and Local laws.

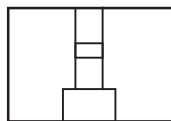
Note

For Android Auto setup, the parking brake status wire **MUST** be connected.

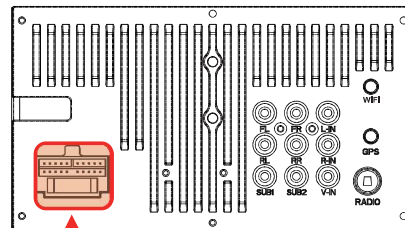
Note

Review the connections of this product, to properly integrate the parking brake wire to the vehicle.

Video and or photos cannot be viewed while driving. The vehicle must be stationary and the parking brake applied to enable viewing.



PARKING SW (Lt. Green)
Parking brake input



Power/Speaker/SWC Harness

Note

The parking brake input needs to be connected to the parking brake wire.

Note

Every vehicle has a different type of parking brake connection; consult a certified professional installer.

Connections

Hands-free Mic

Placement

Every vehicle will perform differently due to layout, interior materials, etc.

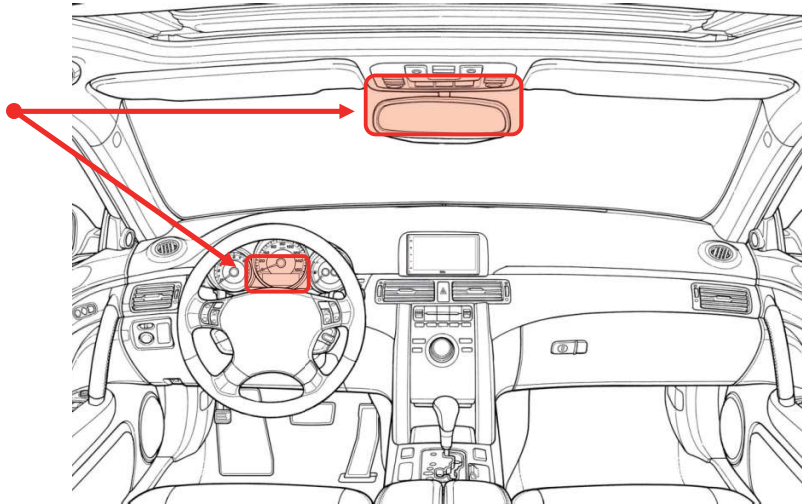
The **Red** shaded areas are the recommended locations for best microphone performance.

Items to look for before placement:

1. Do not place in front of air vents.
2. If the vehicle has tweeters placed on sail panels, do **NOT** locate the mic on steering column area.
3. Front of mic must not be blocked.
4. Mic should be firmly attached to mounting location.
5. Do not cover the grille openings surrounding the mic.
6. To avoid excessive wind noise, do not place near the sunroof opening

WARNING

Run microphone wire where it will **NOT** impede the operation of any safety items, i.e. Airbags, Knee Airbags, etc.



Troubleshooting

Issues	Cause	Solution
No sound	Internal amplifier is off Product is muted External amplifiers Audio source	Go to Settings > Audio > Internal Amp ON . Touch the volume. Check the external amplifiers are on. Check the remote output wire has voltage. Change the audio source.
Media not supported	Media on the USB device/Micro SD card	Change the media format on the USB/Micro SD card. Or change the USB/Micro SD card.
Poor radio reception	Radio area Antenna	Change the station. Turn off RDS/RBDS, TA and AF Antenna output wire is not connected. Connect Antenna to product.
Apple CarPlay/Android Auto unable to start	Bad lightning®/USB cable Wi-Fi or Bluetooth disabled Wireless CarPlay/Android Auto connection disabled	Replace the cable for wired connection. Enable Wi-Fi and Bluetooth on your phone. Allow wireless CarPlay/Android Auto use when prompted during first time connection/pairing. For CarPlay use, make sure CarPlay is enabled on your iPhone (Settings > General > CarPlay > Paired device > Open CarPlay). Enable CarPlay/Android Auto connection (on the home screen, go to Handsfree > Device then tap the paired phone name).
Bluetooth streaming/phone call not possible	Bluetooth connection disabled	Make sure your mobile device is within range. Enable Bluetooth on your mobile device.

Troubleshooting

Issues	Cause	Solution
Bluetooth streaming/phone call not possible	Bluetooth connection disabled	Enable Bluetooth connection (on the home screen, go to Handsfree > Device then tap ⌘). For wired CarPlay/Android Auto connection, unplug the connection cable.
Hands-free call quality	Mobile device	Check cellular strength on mobile device. End call and redial number.
	Microphone	Microphone placement needs to be relocated. Microphone needs to be firmly attached to location it's mounted on. Check to see if microphone is properly plugged in.
Unit is unresponsive	Processor has frozen	Restore the factory settings. Use a small pin to press the reset button on the front panel.

Specifications

General

Power Input.....	8.5 V—18 V DC
Nominal.....	14.4 V DC
Current Consumption.....	15A
Fuse Type.....	15A
Dimensions (H x W x D).....	3.80" x 6.71" x 3.59"
Unit Weight.....	1.96 lbs.
Operational Temperature.....	-4—140°F

Display

Screen Size.....	6.75"
Aspect Ratio.....	16:9
Resolution.....	1024 x 600
Screen Type.....	TFT-LED Active Matrix

Audio

Max Power.....	45 W x 4
Acceptable Speaker Load.....	4-8 Ω
Preset EQ.....	5
JAZZ, HIPHOP, POP, ROCK, R&B EQ Bands, Adjustable.....	10
32, 63, 125, 250Hz, 500Hz 1KHz, 2KHz, 4KHz, 8KHz, 16KHz EQ Boost/Cut	± 6dB

Audio Cont'd

Pre-amp Output.....	3 Pairs
Front.....	4V, Full-Range
Rear.....	4V, Full-Range
Sub (Mono).....	4V, LPF
Sub LPF.....	50 Hz, 80 Hz, 120 Hz, 160 Hz
Sub Level.....	+1-14dB

Radio Tuner

Freq. Range.....	87.5 MHz-108 MHz (FM)
Freq. Range.....	522 kHz-1710 kHz (AM)
USA 1 Range (FM).....	100 kHz Spacing
USA 2 Range (FM).....	200 kHz Spacing
Europe Range (FM).....	50 kHz Spacing
RDS/RBDS.....	TA, AF

Apple CarPlay

iPhone Support.....	iPhone 5 or Newer
iOS.....	iOS 7.1 or Newer

Android Auto

Android.....	Android 6.0 or Newer
--------------	----------------------

USB

USB Spec.....	USB 2.0 (High-Speed)
USB Port 1: Carplay & Android Auto.....	Current Output 1.5A
USB Port 2: Media & 1.5A Charging	Current Output 1.5A
USB mass storage size.....	max 32GB
File System.....	FAT32
Audio Playback.....	MP3, WMA, WAV, FLAC (192kHz/24bit)
Video Playback.....	AVI, MKV, WMV
Picture Playback.....	JPG, PNG, BMP

* Not all listed compressed files guaranteed to play due to different creation methods or file contents.

Bluetooth®

Version.....	v4.2+E.D.R.
Audio Codec.....	S.B.C.
Profiles.....	
HFP v1.6, A2DP v1.2, AVRCP v1.5, PBAP v1.1	

Specifications are subject to change without notice.