USER MANUAL

DD7CPA

BLUETOOTH® | 340 WATTS | DOUBLE-DIN
MP3-COMPATIBLE DIGITAL MEDIA AM/FM RECEIVER
FEATURING 7" (178 mm) CAPACITIVE TOUCHSCREEN

Works with **Apple CarPlay**

works with **android**auto

Bluetooth®

SD

SSL®

Thank you for choosing SSL !

ⓘ   **IMPORTANT**

Record the serial number of the product:

Model:

Serial Number:

Date of Purchase:

The serial number is located on the top part of the chassis.

Contents

Contents

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.

⚠ **WARNING**

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.

⚠ **CAUTION**

Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards.
Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards.
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.

The *Bluetooth®* word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sound Storm Laboratories is under license. Other trademarks and trade names are those of their respective owners.

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Caution

Precautions

BE SURE TO OBSERVE THE FOLLOWING GUIDELINES: Do not turn up the volume so high that you can't hear what's around you.

Use caution or temporarily discontinue use in potentially hazardous situations.

Do not operate mobile video equipment while driving a motorized vehicle – safe driving and safety consideration of others should always be your highest priority.

Set your volume control at a low setting, then slowly increase the sound until you can hear it comfortably without distortion, or ear discomfort.

In the event you should notice smoke, strange noises or odor from this product, or any other abnormal signs, immediately turn off the power and consult your dealer or the nearest authorized *SSL* Service Center.

Using this product in this condition may result in permanent damage to the system.

Installation Precautions

SSL does not recommend to install the product yourself.

We recommend to have it professionally installed by a certified professional.

Always consult with a professional installer .

Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without professional training and experience in electronic equipment and motorized vehicle accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.

Refer any repairs to a qualified SSL Service Center.

Caution

Before Installing

To avoid potential shorts in the electrical system, be sure to disconnect the (–) battery cable before installation.

Use this unit with a 12-volt battery and negative grounding only. Failure to do so may result in a fire or malfunction.

<table>
<tr><td>⚡</td><td>CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN</td><td>⚠</td></tr>
<tr><td colspan="3">CAUTION: TO REDUCE THE RISK OF ELECTRICL SHOCK,
DO NOT REMOVE COVERS.
NO USER SERVICABLE PARTS INSIDE. REFER SERVICING
TO A QUALIFIED SERVICE PROFESSIONAL.</td></tr>
</table>
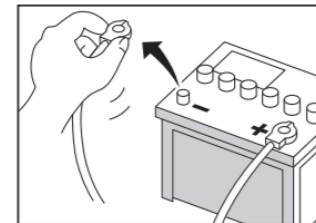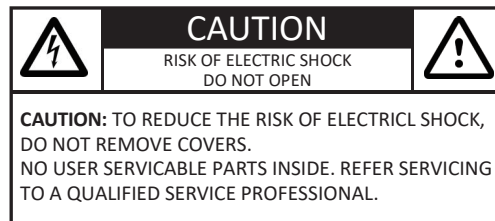
Product Safety

It is against Federal and Local laws for video to be viewed by the driver while the vehicle is in motion. This video product was intended to be used with the parking brake safety feature. Video cannot be seen without the proper parking brake powered connection. Tampering or disabling this feature will void any and all warranty. Please check with a professional installer to have your product installed properly.

ⓘ   **Important Note**

Due to ongoing enhancements, example images on screens may slightly differ from actual product.

Caution

Images and Video

Watching video while driving is against Federal, State, and Local laws.

Drive safely, know and obey traffic rules. Watching this screen and making selections while driving can lead to a serious accident.

Check surroundings for safety while camera images are displayed.

Do not use features of this product while driving if it cannot be operated safely and legally in your location. Before operation of smartphone Apps accessible from this device, read safety instructions in your Owner's Manual. When using navigation Apps stay alert to observe real world conditions.

About this manual

To entirely understand how to properly use your new SSL product, it is recommended to read this user manual, and keep it in a safe place for future reference.

-Read the entire manual

-Keep the manual

-Follow all instructions

-Clean with a dry cloth only

-Do not use or operate near water

-Do not defeat any safety features

California Residents (Proposition 65)

This product may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Basic Product Operation

What comes in the box

Hardware

Qty 1   DD7CPA

Qty 1   Trim Ring

Qty 1   Mounting Hardware Set

       -M5 x 6mm Bolts (8)

       -Brackets (2)
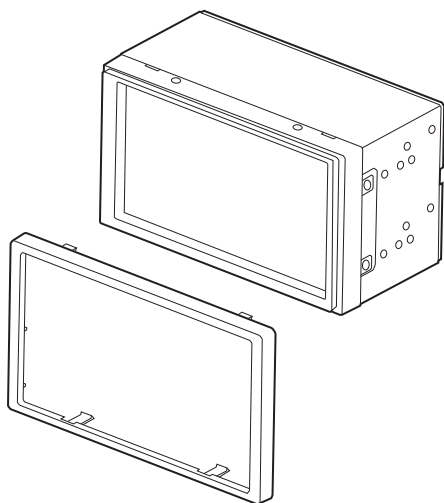
Connections

Qty 1   Power/Harness

Qty 1   Hands-free Microphone
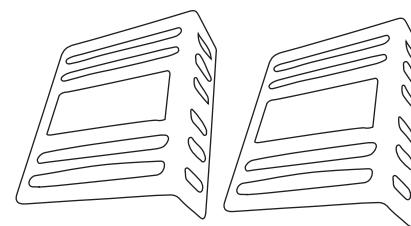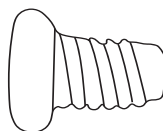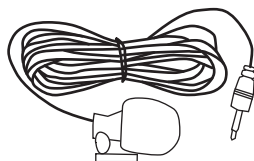
Basic Product Operation

Front Detail
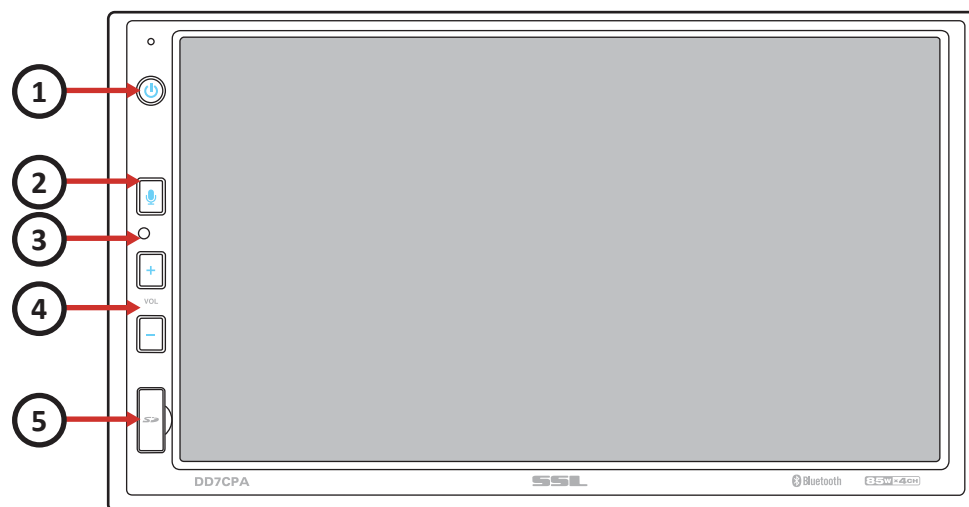
1	Power/Mute Button	**2**	Voice Assistant	**3**	Reset Button
4	Volume Control	**5**	Micro SD Slot		

Basic Product Operation

Rear Detail

Microphone Input

Front Camera Input

Rear Camera Input

USB Play/ Charging

Apple CarPlay   Android Auto

USB2

USB1

FL   FR   L-IN

RL   RR   R-IN

SUB1   SUB2   V-IN

RADIO

Fuse (15A)

Pre-Amp Audio Outputs

Audio/Video Inputs

FM/AM Antenna Jack

Wire Harness Connector

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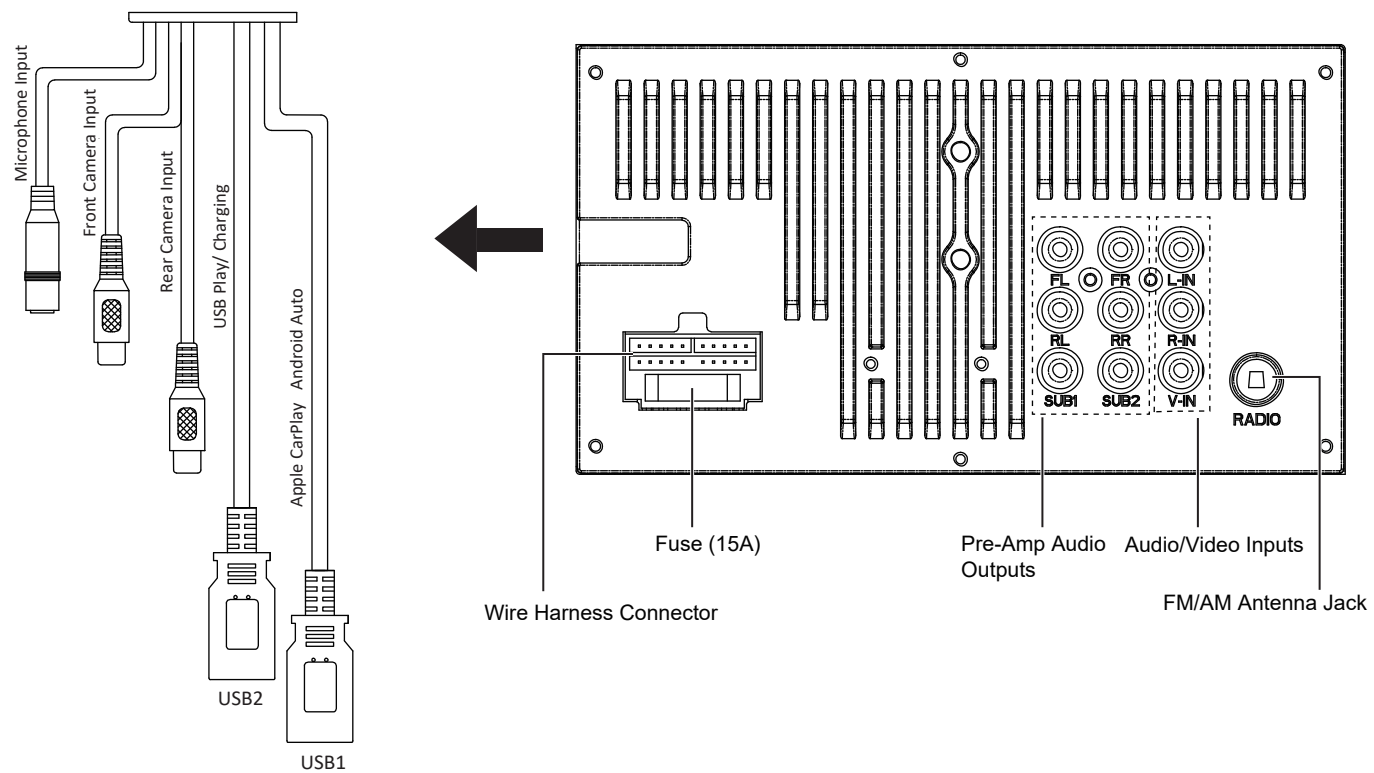
Basic Product Operation

Product Basics

Power On / Standby

1. Press briefly to turn the unit on.
2. Press and hold to switch the unit to standby.
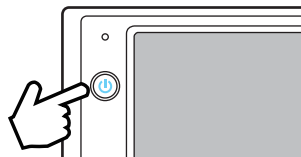
Voice Assistant

1. Press to activate voice assistant.

ⓘ NOTE

Enable Apple CarPlay, Android Auto, or Bluetooth connection to use voice assistant.
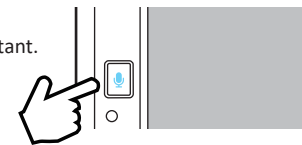
Volume Control

1. Press briefly to adjust volume.
2. Press and hold for quick volume adjustment.
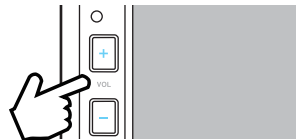
Mute

1. Press briefly to mute volume.
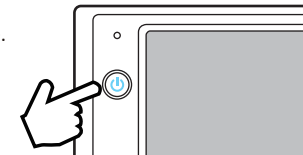
Basic Product Operation

Using and Caring for the Touchscreen
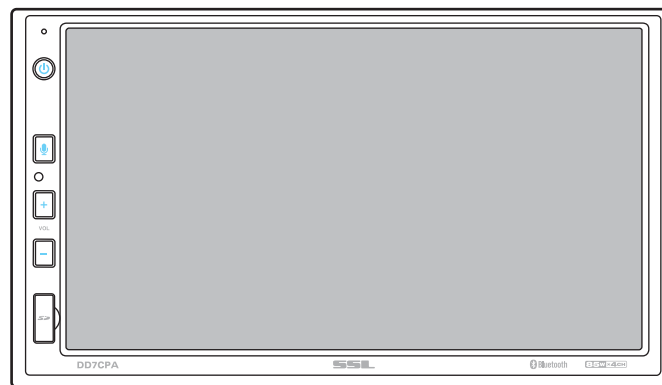
Use:

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 Apple® device using a Lightning® cable. The CarPlay USB port must be used.

This will automatically setup the time and date.

User must set Time Zone manually.

Default is Pacific Time Zone.

General

Time Zone
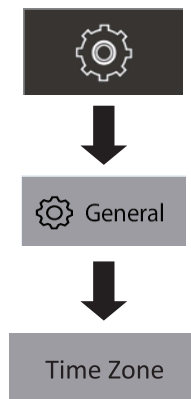
Setup Option B: Date and Time

General

Date & Time
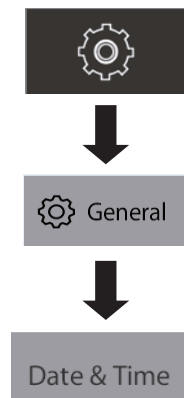
Additional Setup

General > Language

Audio > EQ, Other Audio Settings

Display > Illumination, Brightness

Basic Product Operation

Navigating the Menus

Android Auto
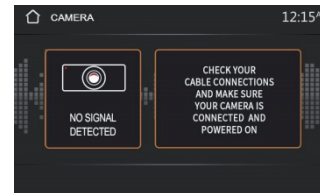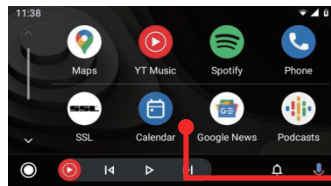
Camera

Media

CarPlay

Home

Streaming

USB

Camera

Apple CarPlay

Android Auto

SD
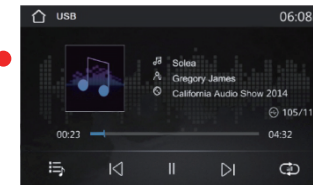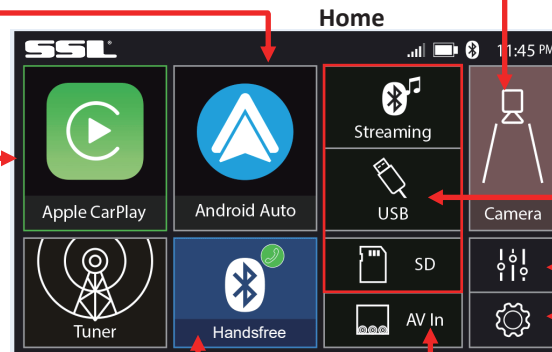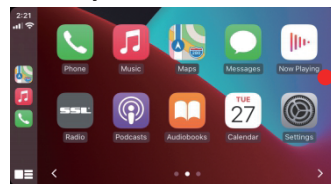
AV In

Tuner

Handsfree

EQ
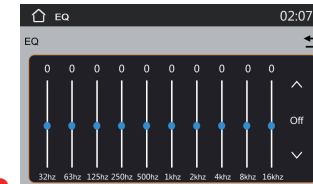
Tuner

Hands-free

AV IN

Settings

14
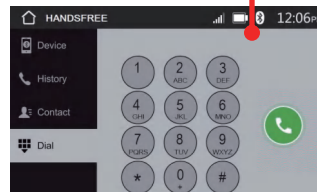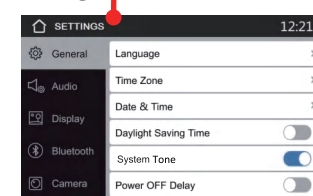
Apple CarPlay

Using CarPlay

ⓘ Note

Apple CarPlay usage is limited while driving.

Functions, contents, 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).

Connecting to CarPlay USB Port

1. Connect the CarPlay compatible device via Lightning® cable (not included).

2. The iPhone will load the CarPlay function.

3. On the display, the CarPlay will illuminate green, touch it to enter the CarPlay menu.

4. To return to the product **Home** menu,

Touch
[SSL logo]

ⓘ NOTE

The product's Bluetooth will turn **OFF** automatically when CarPlay is in use. Hands-free phoning will function through the CarPlay feature.

When using CarPlay, there is no need to pair your iPhone, the USB cable connected through the rear USB Port (1) will enable this feature.

If other devices are connected via Bluetooth, they will be disconnected for the duration of CarPlay use.

Gestures & Control

Basic controls, but not limited to:

Touch

Swipe

Dragging

Other gestures and controls might differ on each App.

ⓘ NOTE

Volume control is handled exclusively by the product.

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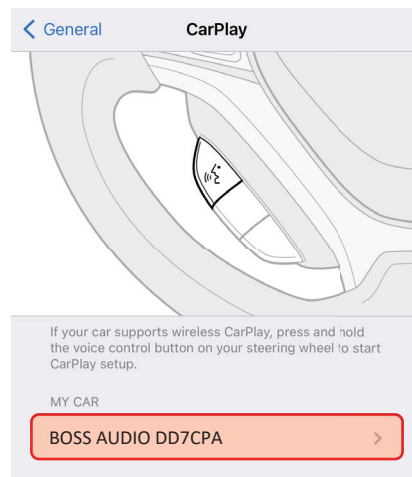
2. Touch and drag an app (≡) to change the order of an app.

   Touch ⊖ or ⊕ to remove and add apps.

ⓘ Note

Only apps with ⊖ or ⊕ can be removed from CarPlay or added in CarPlay.
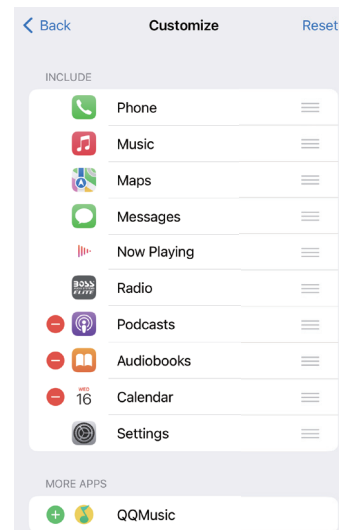
Disable Apps

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**.
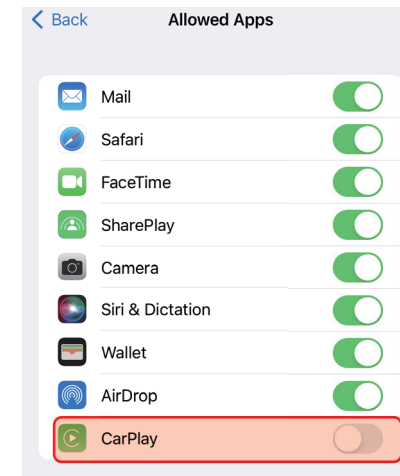
Android Auto

Using Android Auto

ⓘ Note

Android Auto usage is limited while driving.

Functions, contents, 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

1. 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.

GET IT ON
Google Play

Android Auto

Minimum Requirements:

Android 5.0

For a list of compatible devices:

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

Updating Related Apps

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

Connecting to Android Auto
USB Port

1. Connect the Android compatible device via the appropriate USB cable (not included).

2. The Android device will load the Android Auto function.

3. Bluetooth will connect automatically when the setup is completed.

Android Auto Permissions

Permissions

Several features can be allowed or denied access to customize your usability of the product.

The access can always be modified in Settings on the Android device.

Bluetooth®

Hands-Free Menu

Touch

ⓘ NOTE

CarPlay or Android Auto must not be active. If being used, disconnect the device to start Bluetooth.

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

Using your phone, media or other Bluetooth device, try to connect to this headunit.

Mobile Device:
Search for **SSL DD7CPA**

iOS Devices: **Settings > Bluetooth**

Android Devices: **Settings > Connections > Bluetooth**

A passcode is generated and will display on both the head unit and mobile device for secure pairing.

Touch to confirm

Every time the product is powered ON, the mobile device will automatically connect if within range.

ⓘ NOTE

Once paired and connected, the device list will display the available Bluetooth profiles.
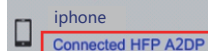
Phonebook and History

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.

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Bluetooth®

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 　OK

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 DD7CPA**

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.

Bluetooth®

Audio

Audio Streaming

To play media through Bluetooth, the mobile device must be **Paired and Connected** to the SSL DD7CPA.

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

Touch

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   Music   Video   Image   Return
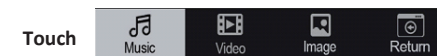
To browse contents, **Swipe**

To return to the current file playing,

Touch   Playing

⚠ WARNING

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

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

ⓘ 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

11   10

1 2   3   4   5 6 7   4 8 2 9
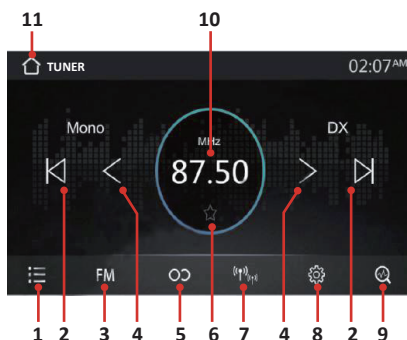
1. Access the list for stored FM, AM, or favorite stations.

2. Tune to a station, or select a stored station.

3. Switch between FM and AM.

4. Adjust radio frequency by step.

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.

Tune to a Radio Station

Touch and hold ◁ ▷ . 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   to perform radio search. All available stations in FM or AM band are stored on the unit.

Select a Stored Station

Touch briefly ◁ ▷ to select a stored station.

Or touch   to access the station list for the stored FM and AM stations.

Set a Favorite Station

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

To remove a favorite, touch ★ .

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

Switch between Stereo and Mono FM

In FM , touch   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   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 AV In

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 Camera

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.

REAR CAMERA   FRONT CAMERA
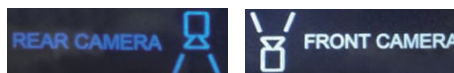
To return to the Home screen

Touch

Reverse View

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

CHECK SURROUNDINGS BEFORE PROCEEDING
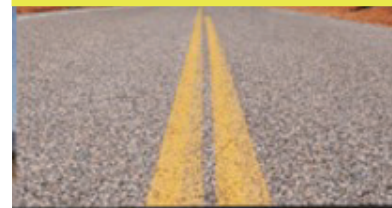
Rear View Delay

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

Touch to change

English (Default), Spanish

ⓘ **Note**

CarPlay is independent of the system language setting.

Time Zone

Adjust to correctly display time

Default Setting: **(GMT-08:00) Pacific Time (US&Canada)**

Date & Time

24H Mode

OFF   ON

Auto Adjust Daylight Saving

OFF   ON

ⓘ **Note**

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

System Tone

Touch

OFF   ON

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.

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Settings

Audio

EQ

To access the EQ menu
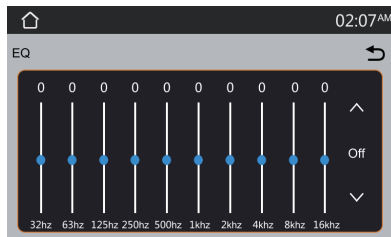
Touch

ℹ 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 $+/-$ to select a cutoff frequency for your subwoofer.

Loudness

Enhances and gently boosts low and high freq.

Touch OFF ➡ ON

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 ON ➡ OFF

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

Touch

OFF ➡ ON

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

Gamma

Swipe

Gamma can be adjusted for both day and night settings.

Screen Brightness

Swipe

UI settings

Wall paper

Touch to change

User can change the background picture by inserting a USB with photos.

Background Brightness

Swipe

Connection

Touch

ON ➡ OFF

Power On/Off Bluetooth

Default Setting: **ON**

> ⓘ **Note**
>
> Bluetooth will turn **OFF** automatically when CarPlay is in use. If other devices are connected via Bluetooth, they will be disconnected for the duration of CarPlay use.

Bluetooth

Auto Connect

Touch

ON ➡ OFF

Auto connects to the device when the product is powered ON

Default Setting: **ON**

Auto Answer

Touch

OFF ➡ ON

Auto answers when there is an incoming call.

Default Setting: **OFF**

Settings

Bluetooth

Device Name
SSL DD7CPA

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.

Camera

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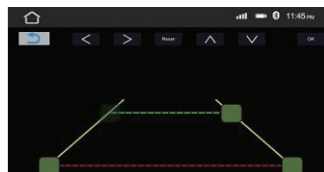
Touch and drag a square icon to reposition the related guide line. Repeatedly touch an arrow icon to fine tune positioning of the related guide line. Touch the OK icon to confirm the adjustment. To reset to the default positioning of the guide lines, touch the Reset icon.

Radio

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.

Region
Touch

Default Setting: **USA 2**

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

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

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.
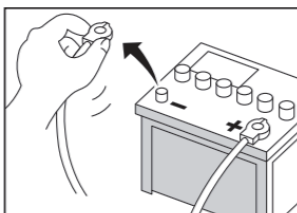
⚠ CAUTION

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.

Red/White, Rear Camera Power (+12V, 500 mA)
Red/Violet, Front Camera Power (+12V, 500 mA)
SWC Input
Orange, Illumination Input (+12V)
Red, Accessory (+12V)
Black, Ground (-)
Yellow, Constant (+12V)
Violet/White, Reverse Signal Input (+12V)
Blue, Antenna Output (+12V, 500 mA Max)
Blue/White, Rem. Output (+12v, 500 mA)
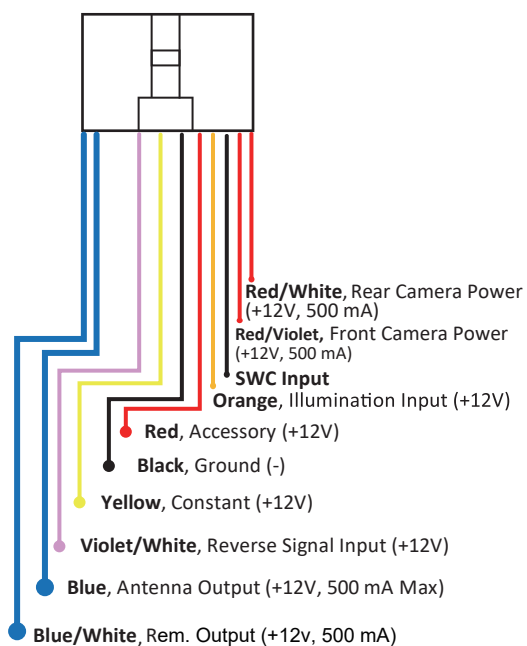
ⓘ Note

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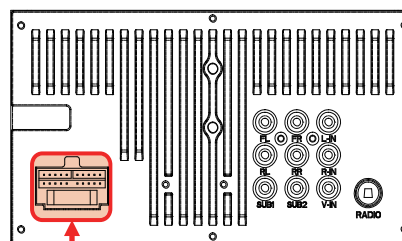
Location to plug in

ⓘ 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).**

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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.

Rear Right (Ch. 4)

Purple (+)

Purple/Black (-)

Rear Left (Ch. 3)

Green (+)

Green/Black (-)

Front Right (Ch. 2)

Gray (+)

Gray/Black (-)

Front Left (Ch. 1)

White (+)

White/Black (-)

Location to plug in
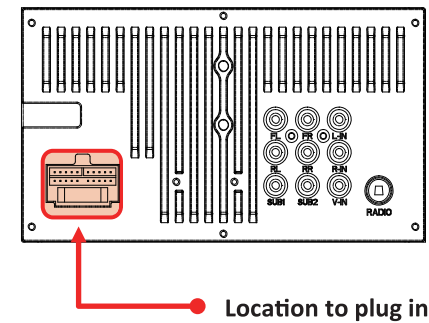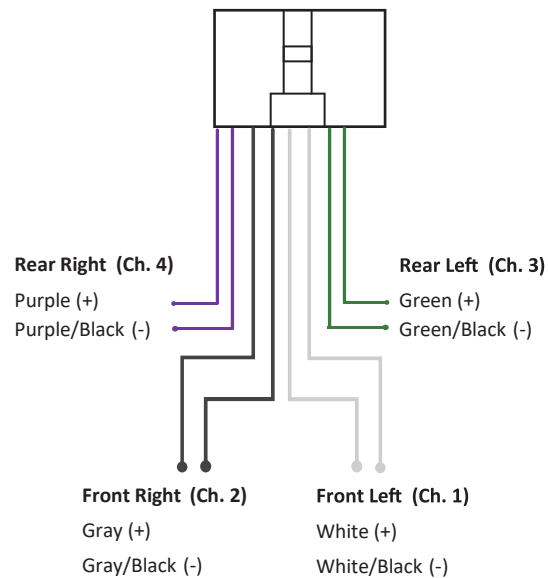
Connections

Audio Pre-amp/AV IN/ Radio

ⓘ **Note**

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

ⓘ **Note**

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

Audio/video Inputs

FM/AM Antenna Jack

Pre-Amp Audio Outputs
(Front/rear speaker outputs
and two subwoofer outputs)
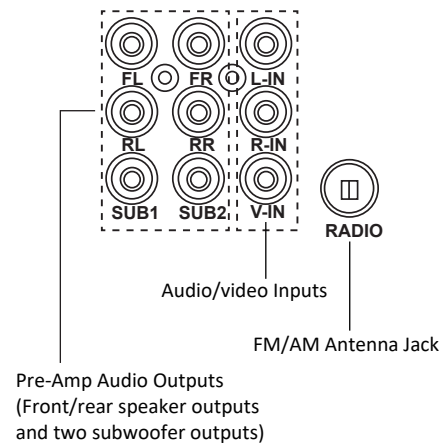
ⓘ **Note**

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
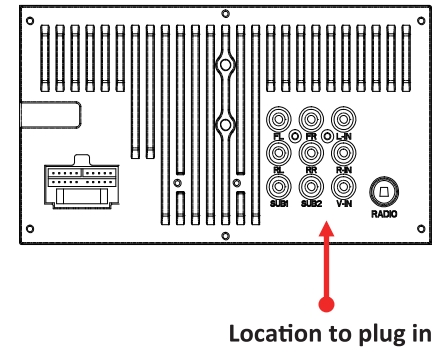
Connections

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.

Microphone Input

Front Camera Input

Rear Camera Input

USB Play / Charging

Apple CarPlay   Android Auto

USB2

USB1
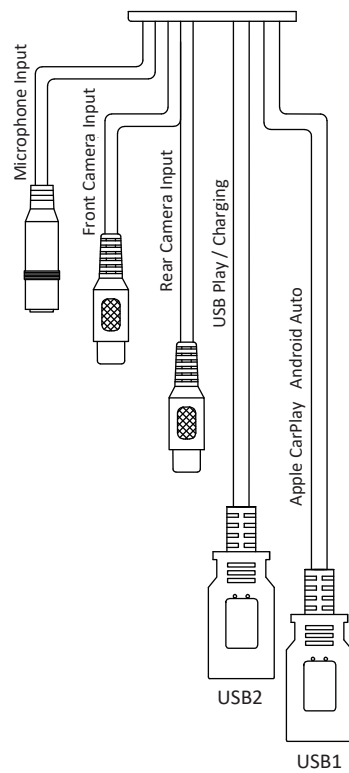
Connections

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.

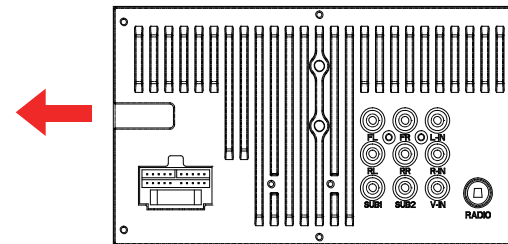Video and or photos cannot be viewed while driving. The vehicle must be stationary and the parking brake applied to enable viewing.
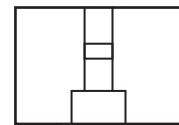
● **Lt. Green**, Parking Brake Input
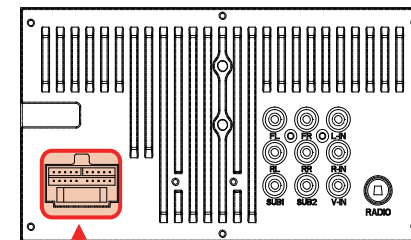
Power/Speaker/SWC Harness

ⓘ 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 the microphone wire where it will **NOT** impede with the operation of any safety items, i.e. airbags, knee airbags, etc.
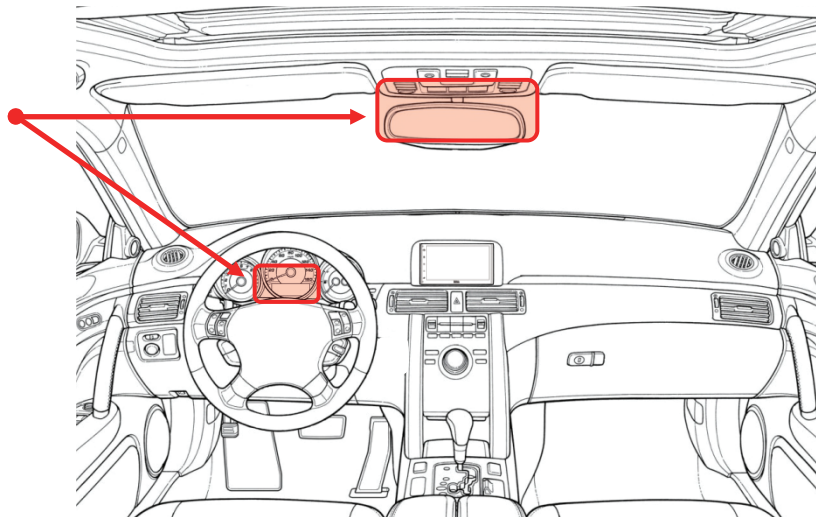
Steering Wheel Control Compatibility

SWC Introduction

Steering Wheel Control (SWC) function allows you to operate this unit via an external device (steering wheel control).

A third-party adapter must be used in order for this unit to be compatible with your OEM steering wheel controls. We recommend PAC SWC series.

This unit has a built-in 3.5mm SWC interface that is compatible with many popular 3rd party SWC control modules, such as PAC, METRA, and others.

3.5mm SWC input (black socket) is located on the supplied wire harness which is connected to the rear of the unit.
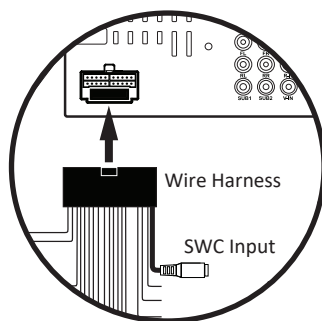
Illustration for reference only

Programmable Controls

The following radio / audio function controls are available to be programmed.

Source
Mute
Home
Seek + / Next Track
Seek - / Previous Track
Volume +
Volume -
Band
Phone Menu
Bluetooth Talk
Bluetooth End Call
Voice Assistant / PTT

(i) Note

Not all OEM steering wheel functions may be supported.

Specifications are subject to change without notice.

SWC Installation / Programming

Contact your local installation expert for the correct SWC adapter for your specific vehicle.

1. For most SWC adapters, select program using "Pioneer/Sony/Other" mapping order as described in "Programmable Control".

2. When programming, if a function is not supported (or not desired), then the function MUST be skipped as per the SWC module instructions.

3. The SWC function MUST be programmed in the correct order as per the function mapping order instructions.

(i) Note

For SWC programming technical assistance, call the number in your SWC instruction manual.

Troubleshooting

Issues	Cause	Solution
No Sound	Internal amplifier is off	Go to Settings > Audio > Internal Amp **ON**.
	Product is muted	Touch the volume.
	External amplifiers	Check the external amplifiers are on.
		Check the remote output wire has voltage.
	Audio source	Change the audio source.
Media Not Supported	Media on the USB device/ Micro SD card	Change the media format on the USB device/ Micro SD card.
		Change the USB device/Micro SD card
Poor Radio Reception	Radio area	Change the station.
	Antenna	Antenna output wire is not connected.
		Connect Antenna to product.
Apple CarPlay/Android Auto will not start	Bad Lightning®/USB cable	Replace the cable.
	Locked device	Device needs to be unlocked.
	Not charged	Device needs to be powered **ON** for CarPlay/ Android Auto to function. Allow it to charge and power on.
	CarPlay/Android Auto frozen	Unplug the device, close all Apps and plug it in again.
Bluetooth	Not connecting to device	Make sure the device is within range.
		Device's Bluetooth connection needs to be turned **ON**.

Troubleshooting

Issues	Cause	Solution
Bluetooth	Not connecting to device	Go to Setting >Connection >Power **ON** Pair and Connect the device like new.
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.

SSL®

If you have questions about this product:

Customer Service

805-751-4855

M-F 8:30a-5:00p (PST)

Tech Support: www.soundstormlab.com/support

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 3.56"

Unit Weight.. 1.73 lbs.

Operational Temperature..................-4—140˚F

Display

Screen Size..7"

Aspect Ratio..16:9

Resolution...1024×600

Screen Type.....................TFT-LED Active Matrix

Audio

Max Power...85 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..± 6 dB

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

Apple CarPlay

iPhone Support.....................iPhone 5 or Newer

iOS...iOS 7.1 or Newer

Android Auto

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

USB/Micro SD

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/Micro SD card .... 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.

SOUND STORM LABORATORIES

3451 Lunar Court, Oxnard CA 93030

TECHNICAL ASSISTANCE

www.soundstormlab.com/support

805-751-4855 Customer Service

DD7CPA

BLUETOOTH® | MP3-COMPATIBLE DIGITAL MEDIA AM/FM RECEIVER

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