



CAR689

**6.8" 2 DIN CAPACITIVE TOUCH SCREEN
MULTIMEDIA MECHLESS RECEIVER**

**AM-FM-RDS SXM-READY
USB Multimedia Player
Front / Rear Camera Inputs**

INSTALLATION & OWNER'S MANUAL

android
auto



JENSEN®

Copyright and Trademark

Apple CarPlay is a trademark of Apple Inc. / 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.

Please note that the use of this product with iPhone, iPod, or iPad may effect wireless performance.

iPhone, and Apple are trademarks of Apple Inc., registered in the U.S. and other countries.

Availability of Android Auto™ may vary depending upon your country and phone model. Please visit android.com/auto for more information.

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The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

SiriusXM and all related marks and logos are trademarks of Sirius XM Radio Inc. All rights reserved.

Other trademarks and trade names are those of their respective owners.

FCC Compliance

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.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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.

Safety Notice

Video / movie playback will not operate while the vehicle is moving. This is a safety feature to prevent driver distraction. In-dash video / movie functions will only operate when vehicle is in Park and the parking brake is engaged. It is illegal in most jurisdictions for the driver to view video while the vehicle is in motion.



The **SAFETY NOTICE** is reminder to drive responsibly and safely while using your mobile phone device, or any APP's that are compatible with this unit.

it is highly recommended that your JENSEN CAR689 is installed by a professional installer or an authorized dealer.

This product is only for use in vehicles with 12VDC negative ground only.

To prevent damage or injury:

- Make sure to ground the unit securely to the vehicle chassis ground.
- Do not remove the top or bottom covers of the unit.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or the possibility of water splashing.
- Do not subject the unit to excessive shock.
- When replacing a fuse, only use a new one with the correct rating. Using a fuse with the wrong rating may cause the unit to malfunction.
- To prevent short circuits when replacing a fuse, disconnect the wiring harness first.
- Use only the provided hardware and wire harness.
- If you experience problems during installation, consult your nearest JENSEN dealer.
- If the unit malfunctions, reset the unit as described. If the problem still persists, consult your nearest JENSEN dealer or call tech assistance @ 1-888-921-4088.
- To clean the monitor, wipe only with a dry silicone cloth or soft cloth. Do not use a stiff cloth, or solvents such as paint thinner and alcohol. They can scratch the surface of the panel and/or remove the printing.
- When the temperature of the unit falls (as in winter), the liquid crystal inside the screen will become darker than usual. Normal brightness will return after the unit is in use for a while.
- When extending the ignition, battery or ground wiring, make sure to use automotive-grade wiring with an a minimum AWG 16 or more to prevent voltage drops.
- Do not touch the liquid crystal fluid if the LCD is damaged or broken. The liquid crystal fluid may be hazardous to your health or fatal. If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately.

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CAR689 INSTALLATION

Preparation

Please read and understand entire manual before installation.

Consult a qualified technician for detailed instructions or installation assistance.

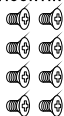
Before You Start

- Disconnect negative battery terminal.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight, or where it would be subject to dust, dirt or excessive vibration.

Getting Started

- Unpack unit from its protective packaging.
- Connect vehicle wiring harness and antenna to this receivers harness. See wiring instructions. Consult a qualified technician if you are unsure.
- Certain vehicles may require an installation dash kit and/or wiring harness adapter (sold separately).
- Reconnect battery negative terminal.
- Test for correct operation and secure back into dashboard.
- Snap trim ring into place if needed.

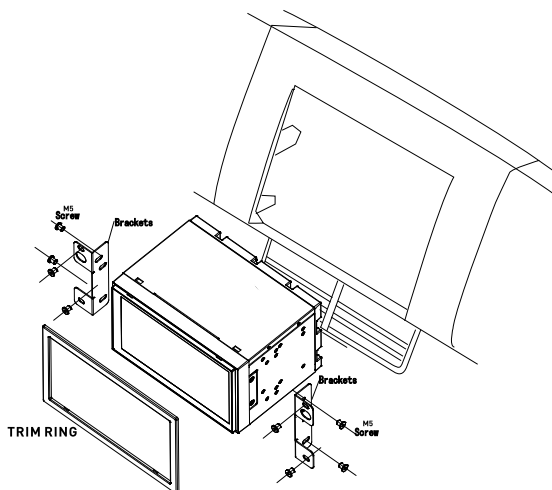
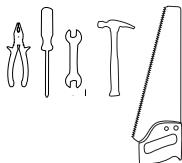
MOUNTING SCREWS MOUNTING BRACKET



M5.0 x 6.0mm



Tools Required

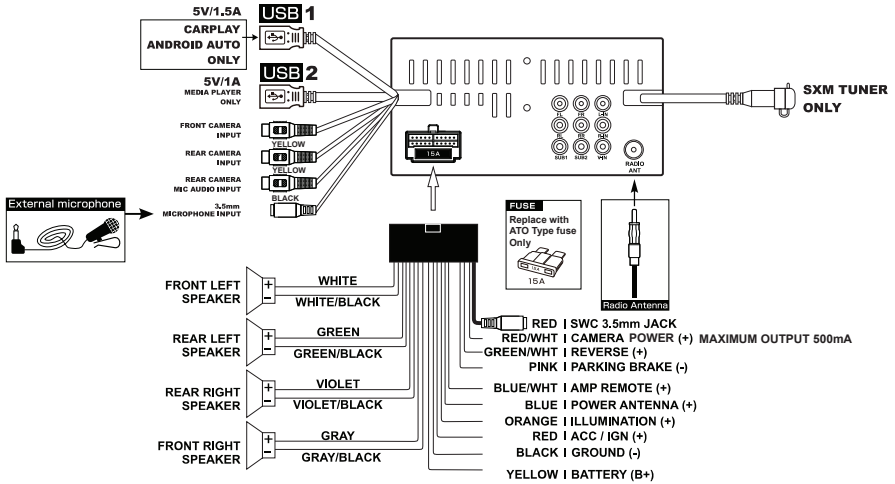


Typical ISO-DIN Installation

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CAR689 INSTALLATION

Input / Output Wiring Diagram



💡 Tips

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 ATO blade-type fuse located on the back of the unit.

Wiring Notes:

Front / Rear camera inputs

Up to two cameras (not included) can be used.

We recommend optional JENSEN Backup Camera Part # BUCAM200J for FRONT CAMERA and BUCAM300AJ or BUCAM400AJ for REAR CAMERA

SiriusXM

For more information on how to install the SiriusXM Connect Vehicle tuner, consult the installation guide included with the tuner. (SiriusXM connect tuner and subscription sold separately)

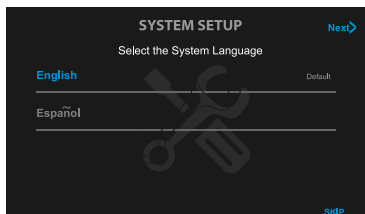
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CAR689 OPERATION

Getting Started - First Time Setup Wizard

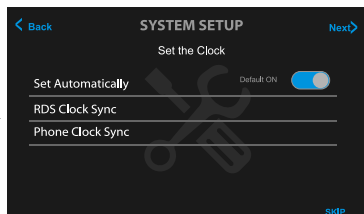
The first time the unit is powered ON, the **SETUP WIZARD** will help guide you through the main radio system settings and connect to your Bluetooth Device.

STEP 1



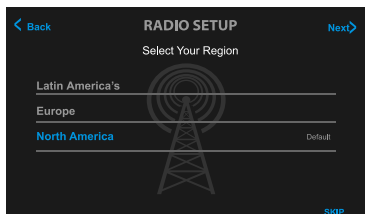
Select Language

STEP 2



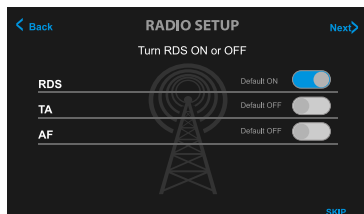
Set the Clock

STEP 3



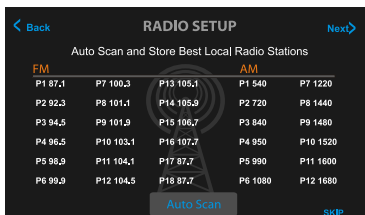
Set Radio Region

STEP 4



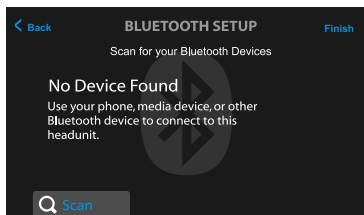
Set RDS Functions

STEP 5



Auto Store Presets

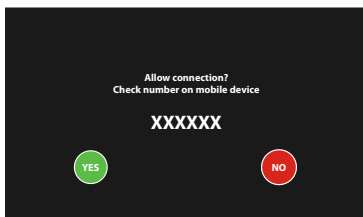
STEP 6



Pair Bluetooth

FINAL STEP

A random **BLUETOOTH PASSCODE** will be generated, follow the on-screen instructions, press Ok on your Device



Confirm PASSCODE



Tips The **SETUP WIZARD** can be skipped at any time.

To rerun the **WIZARD** again, press **RESET** button with a paperclip for 3 seconds.

Main Control Locations



Power On/Off ① Press any button to turn the unit on. Press and hold to turn the unit off

Volume Up ② Press volume + to increase the volume level

Mute ③ Press to silence the audio. Momentarily press again to return to the previously selected volume. Pressing volume + / - while muted will also cancel the mute function

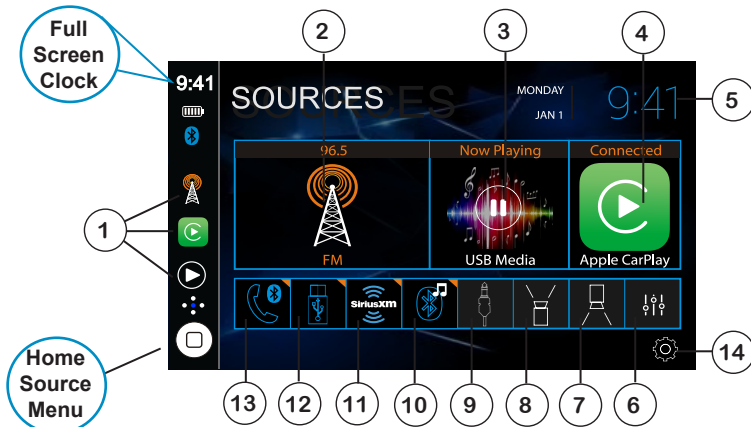
Volume Down ④ Press volume - to decrease the volume level

PTT Voice Assistant ⑤ Carplay / Android Auto USB Connection required or compatible iOS / Android Bluetooth connection

Source Menu ⑥ Press SRC to access available modes: Radio, SiriusXM, USB, Bluetooth Handsfree, Bluetooth Audio, AV In 1, Front / Rear Camera and Settings Menu

System RESET ⑦ To reset all settings (except SXM), use a Paperclip to press for 3 seconds

Source Menu Operation



Quick Select Sources ①

Radio ②

Media Player ③

Carplay | Android Auto ④

Full Screen Clock ⑤

EQ ⑥

Rear Camera ⑦

Front Camera ⑧

Auxiliary AV Input ⑨

BT Music ⑩

SXM Radio ⑪

USB Media Port ⑫

BT Handfree Calling ⑬

Settings Menu ⑭

Press for Top 3 Sources in use

Radio Tuner Direct Access

Main Media Player Direct Access

Apple CarPlay or Android Auto Direct Access

Press for full screen Clock -> press anywhere again to return to previous mode
Equalizer Settings for current audio source

Rear Camera Direct Input Access

Front Camera Direct Input Access

AV Direct Input Access

BT Media Player Direct Access

SXM Radio Direct Access (Optional tuner required)

USB Media Player Direct Access

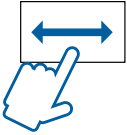
Handsfree Calling Direct Access

Direct access to System Setup Menu

Gesture Source Ribbon Operation



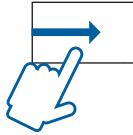
While in any **MAIN SOURCE - RADIO | BLUETOOTH HANDSFREE | MEDIA PLAYER** (other than Apple CarPlay or Android Auto) you can quickly and safely **SWIPE** select the most common **SOURCE** from simple **LEFT | RIGHT | UP | DOWN SWIPE GESTURE** controls.



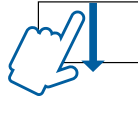
SWIPE LEFT
or **RIGHT**



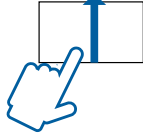
SWIPE FROM
RIGHT SIDE



SWIPE FROM
LEFT SIDE



SWIPE DOWN
FROM TOP

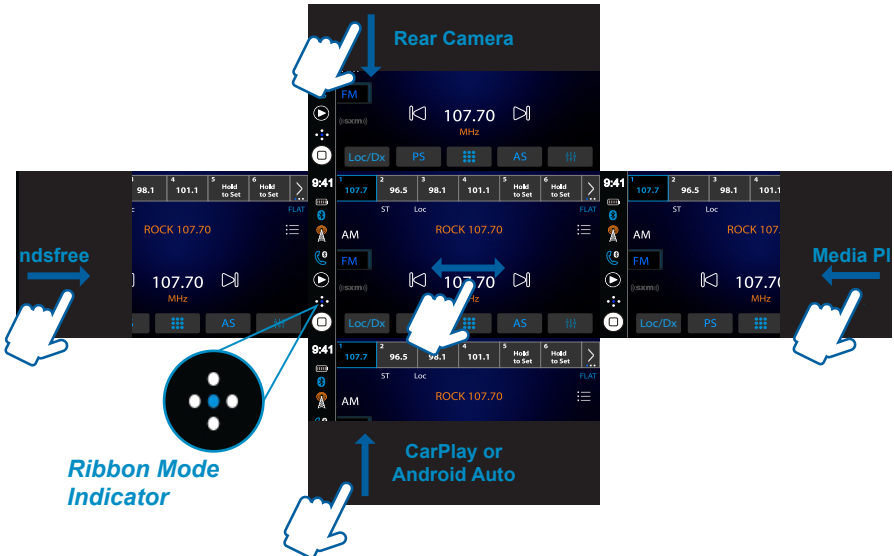


SWIPE UP
FROM BOTTOM

SOURCE RIBBON LAYOUT

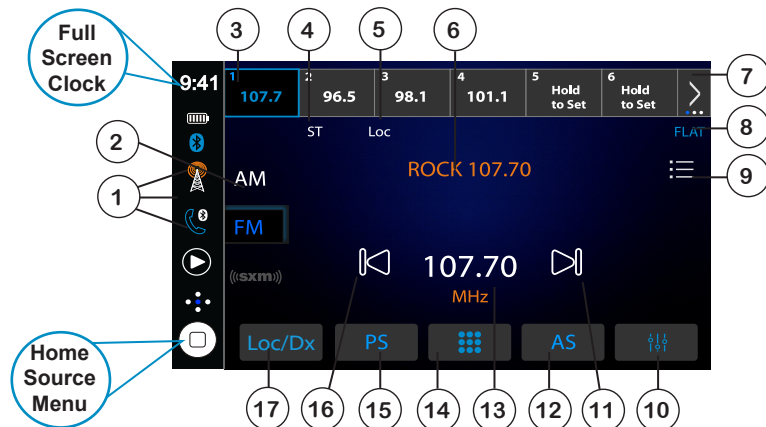


GESTURE SWIPE EXAMPLES



CarPlay | Android Auto cannot use SWIPE GESTURES once into their respective modes. Use **HOME** button to return to **MAIN MENU**.

AM/FM Tuner Operation



Quick Select Sources ①

Press for Top 3 Sources in use

BAND Selector ②

Press for AM | FM | SXM Radio (Optional SXM Tuner required)

BAND 1 2 3 Presets 1-18 ③

To store Channel Presets - Press and **HOLD** 3 seconds

Stereo | Mono ④

Stereo | Mono Indicator

Local | Distance ⑤

Local | Distance Indicator

Station RBDS Information ⑥

Station RBDS RT Data String Indicator

Quick Select BAND 1 2 3 ⑦

Press for BAND 1 | BAND 2 | BAND 3

EQ Info ⑧

EQ Current Status Indicator

Additional Options ⑨

Press for additional RBDS Settings

Direct Equalizer ⑩

Press for EQ Control

Next ⑪

Press for to SEEK UP Next Channel

Direct Channel Entry ⑫

Press to Auto Store Stations

Station ⑬

Current Station Indicator

Direct Station Entry ⑭

Press for Direct Station Entry

Preset Scan ⑮

Press to Scan Presets

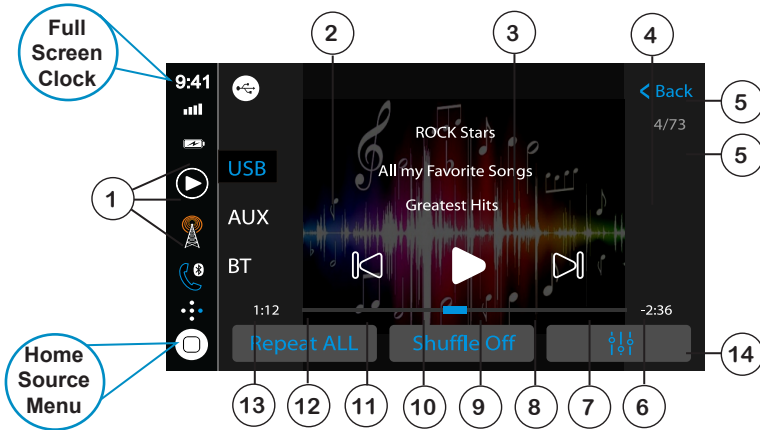
Previous ⑯

Press for to SEEK DOWN Previous Channel

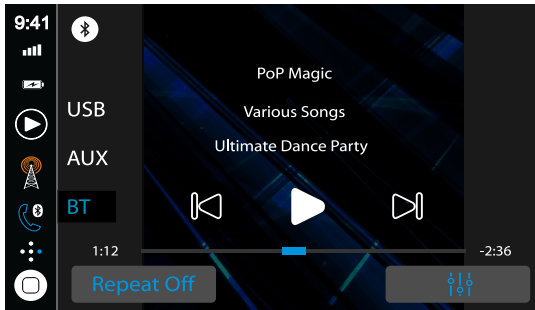
Local | Distance ⑰

Press for change to Local or Distance

Media Player - USB / BT Music / AV AUX Input



Media Player - BT Music



Media Player - AV AUX Input



SiriusXM® Satellite Radio Activation



SiriusXM® Radio Activating

Only SiriusXM® Satellite Radio brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial-free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com.

SiriusXM® Radio Accessing

After installing your SiriusXM Connect Vehicle Tuner and antenna, power on your radio and select SiriusXM mode. You should be able to hear the SiriusXM preview channel on Channel 1. After you can hear the Preview channel, tune to Channel 0 to find the Radio ID of your tuner. The Radio ID is also located on the bottom of the SiriusXM Connect Vehicle Tuner and its packaging.

Note: SiriusXM Radio ID does not include the letters I, O, S or F. In the USA, activate online or by calling SiriusXM Listener care:

- Visit www.siriusxm.com/activatenow
- Call SiriusXM Listener Care at 1-866-635-2349

For Canadian Subscriptions, please contact:

- Visit www.siriusxm.ca/activatexm
- Call XM customer Care at 1-877-438-9677

Activation typically takes 10-15 minutes, but may take up to one hour.

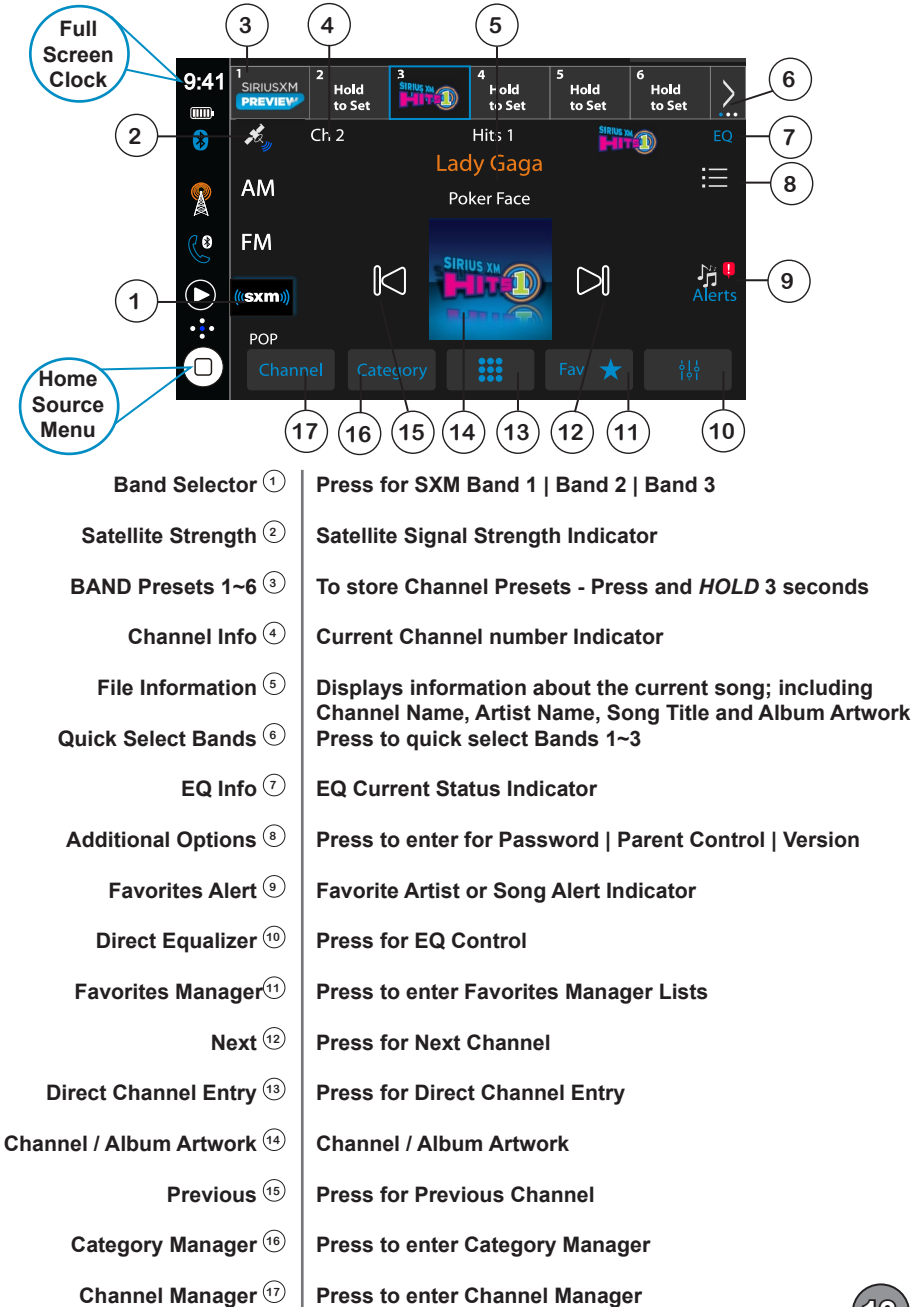
It is recommended to leave your vehicle on until the "Subscription Updated" message appears. Your radio will need to be powered on and receiving the SiriusXM signal to receive the activation message.

Once activated, you can tune to channels in your subscription plan.

SiriusXM® Radio

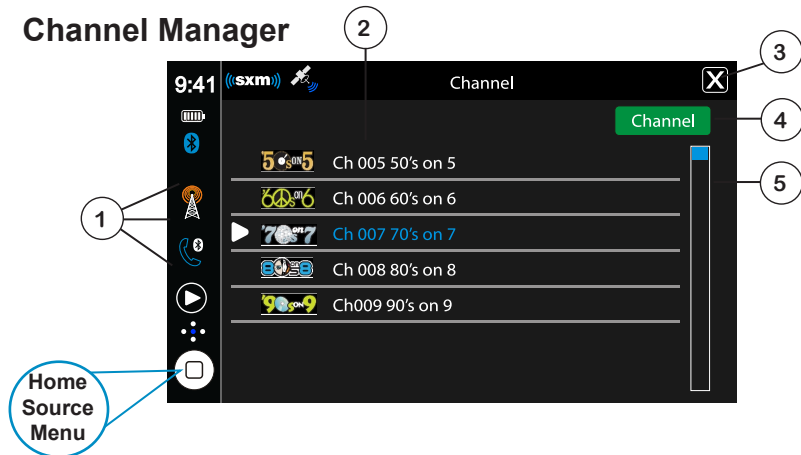
From the Main Menu, touch the SiriusXM icon to begin operation.

SiriusXM® Satellite Radio Operation - Part 1



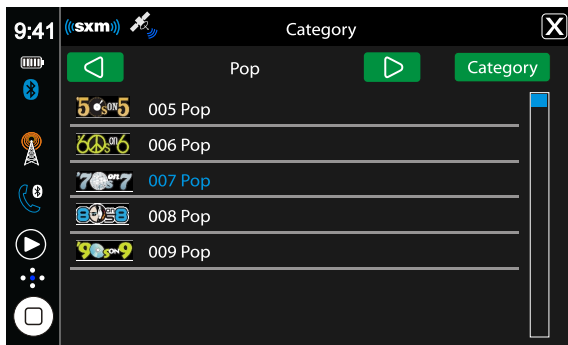
SiriusXM® Radio Operation - Part 2

Channel Manager



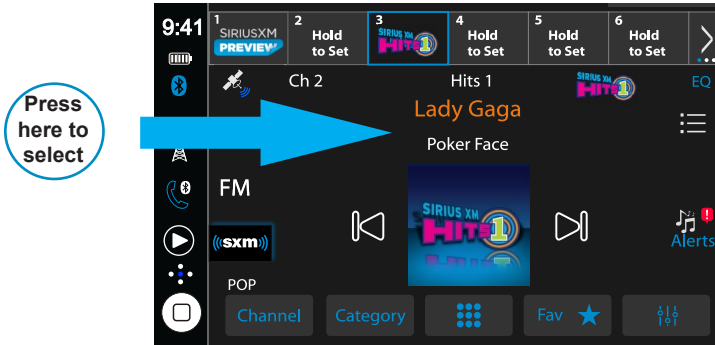
- | | |
|---------------------------------|--|
| Quick Select Sources (1) | Press for any of Top 3 Sources in use |
| Channel List (2) | Channel Information |
| Media Player (3) | Press to return to SXM mode |
| Info Selection (4) | Channel Artist Song Info |
| Page Scrolling (5) | Drag up or down for quick page scrolling |

Category Manager



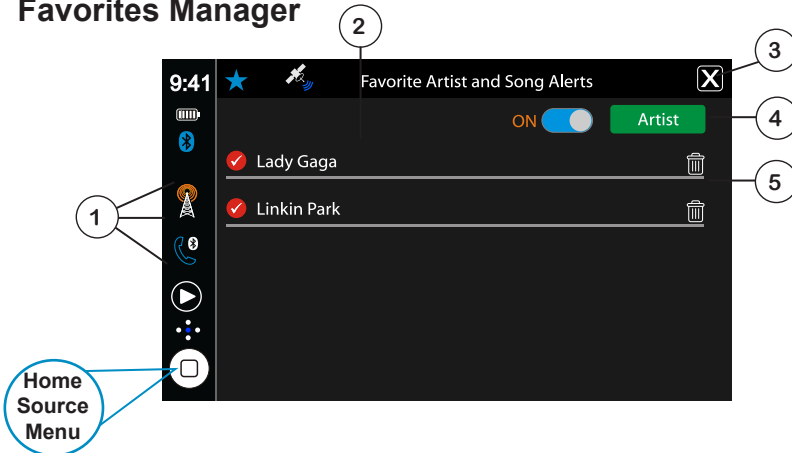
SiriusXM® Radio Operation - Part 3

Favorite Selection



Alert is active when a Favorite Song or Artist is available

Favorites Manager



- | | | |
|-----------------------------|---|---------------------------------------|
| Quick Select Sources | ① | Press for any of Top 3 Sources in use |
| Favorites List | ② | Stored Favorites List |
| Exit | ③ | Press to return to SXM mode |
| Content Selection | ④ | Press to select Artist Song |
| Edit | ⑤ | Delete Content from list |

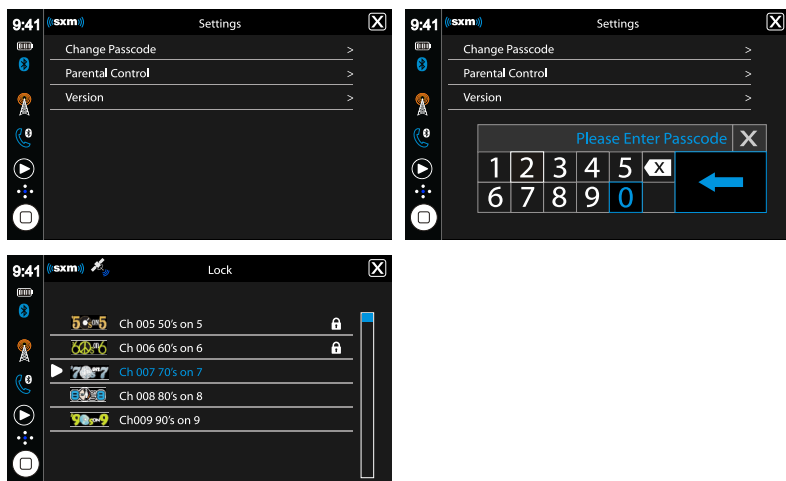
Tips Up to 50 Songs and 50 Artists can be stored as Favorites

SiriusXM® Parental Control

Settings Menu

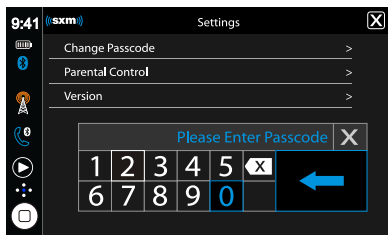
1. On the SiriusXM menu touch Parental Control. The Enter password Screen appears.
2. Enter your 4-digit password. The following screen appears:

Lock / Unlock Screen



3. Touch to Station lock, touch lock icon to unlock, the icon will disappear. Channel is unlocked.

The Change Password option allows you to change the password from the default or current custom password to another password.

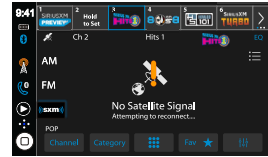
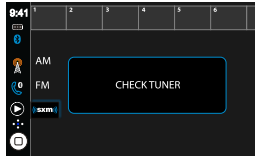
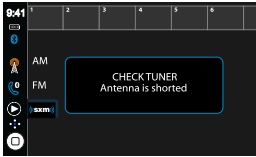


NOTE: The default password is 0 0 0 0.

To Change password:

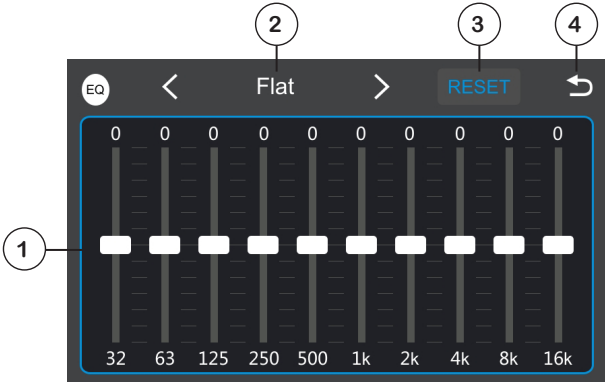
1. Enter into Settings menu. Go to SXM to change password.
2. Enter your 4-digit password and press the OK icon.
3. Enter the new 4-digit password and press the OK icon. The new password is set.

SiriusXM® Radio Advisory Messages



SiriusXM Advisory Message	Recommendation
Check Antenna	<ol style="list-style-type: none"> 1. The radio has detected a fault with the SiriusXM antenna. The antenna cable may be either disconnected or damaged. 2. Verify that the antenna cable is connected to the SiriusXM Connect Vehicle Tuner. 3. Inspect the antenna cable for damage and kinks. Replace the antenna if the cable is damaged. 4. SiriusXM products are available at your local car audio retailer or online at www.shop.siriusxm.com.
Check Tuner	<ol style="list-style-type: none"> 1. The radio is having difficulty communicating with the SiriusXM Connect Vehicle Tuner. The tuner may be disconnected or damaged. 2. Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio
No Signal	<ol style="list-style-type: none"> 1. The SiriusXM Connect Vehicle Tuner is having difficulty receiving the SiriusXM satellite signal. 2. Verify that your vehicle is outdoors with a clear view of the sky. 3. Verify that the SiriusXM magnetic mount antenna is mounted on a metal surface on the outside of the vehicle. 4. Move the SiriusXM antenna away from any obstructions. 5. Inspect the antenna cable for damages and kinks. 6. Consult the SiriusXM Connect Vehicle tuner installation manual for more information on antenna installation. Replace the antenna if the cable is damaged. SiriusXM products are available at your local car audio retailer or online at www.shop.siriusxm.com.
Subscription Updated	This channel is not included in your SiriusXM® subscription plan. In the USA, visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit www.siriusxm.ca or call 1-877-438-9677 if you have questions about your subscription.
Channel Unavailable	The channel that you have requested is not a valid SiriusXM channel or the channel that you were listening to is no longer available. You may also see this message briefly when first connecting a new SiriusXM Connect Vehicle tuner. Visit www.siriusxm.com for more information about the SiriusXM channel lineup.
Channel Unsubscribed	The channel that you have requested is not included in your SiriusXM subscription package or is no longer included in your SiriusXM subscription package. In the USA, visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription. In Canada, visit www.siriusxm.ca or call 1-877-438-9677 if you have questions about your subscription.
Channel Locked	The channel that you have requested is locked by the radio's Parental Control feature. Refer to the SiriusXM® Satellite Radio Operation section for more information on the Mature Channel Lock feature and how to access.

10-BAND Equalizer



10-Band Sliders ①

Press to custom adjust frequencies

7 Presets + 1 Custom ②

Flat | R&B | Rock | Pop | HipHop | Jazz | Custom

RESET ③

RESET all frequencies to Flat

Exit EQ ④

Press to return to previous Source Mode

 **Tips** Each SOURCE will remember their respective EQ settings

System Audio Settings

Addition System Audio settings are in the System Settings/Audio

Balance: Left | Right

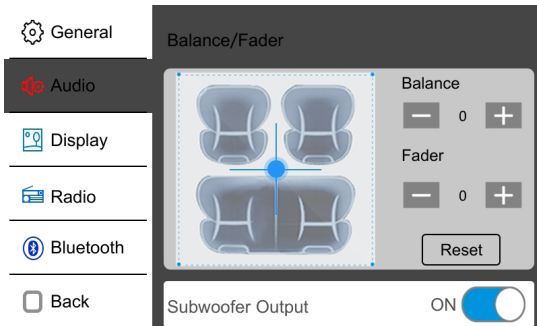
Fader: Front | Rear

SUB: ON/OFF

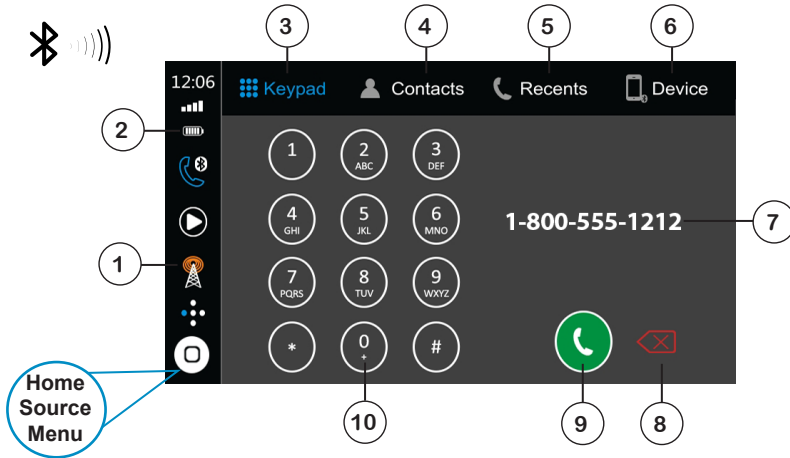
SUB Crossover Filter: OFF | 50Hz | 80Hz | 120Hz | 160Hz

Equalizer (Affects same settings as from current SOURCE)

Loudness: ON/OFF

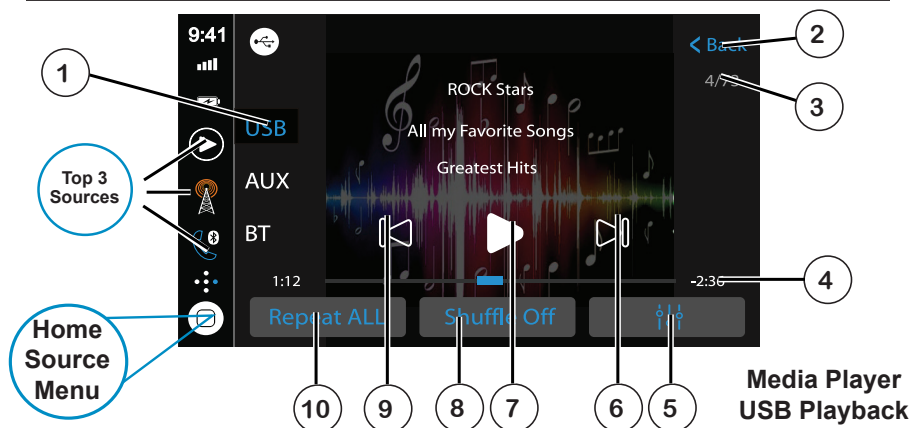


Bluetooth - Handsfree Operation



- | | |
|----------------------|--|
| Top Used Sources (1) | Press for Direct Access to Top Sources |
| Signal Strength (2) | Carrier Signal Strength Indicator |
| Keypad (3) | Press to Dial the Call |
| Contacts (4) | Press to see Contact List |
| Recent Calls (5) | Press to see most recent Received / Missed Call List |
| Device (6) | Press for Device Setup |
| Phone Number (7) | Number to Dial |
| Backspace (8) | Press for Corrections |
| Dial Out (9) | Press to Dial Out |
| Keypad (10) | Press to Dial a Call |

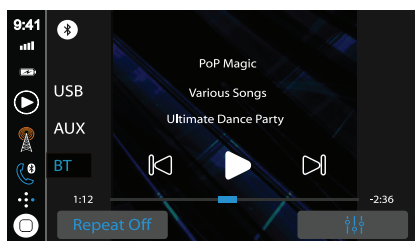
Media Player - USB



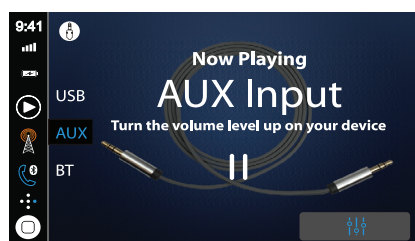
Media Player
USB Playback

- | | |
|--------------------|--|
| Source Selector ① | Press desired option to select between audio sources for the media player: USB, Auxiliary Input or Bluetooth Music. |
| File/Folder List ② | Press to display all files/folders on the device (Music or Pictures). Press any file to begin playback. File/folder list is only available for USB playback. |
| Track Number ③ | Displays the current track number/total number of tracks. |
| Elapsed Time ④ | Displays the elapsed and total time for the current track. |
| Audio ⑤ | Press to access and adjust audio settings. |
| Tune/Track Up ⑥ | Press to advance to the next track. Press and hold to fast forward through the current track. |
| Play/Pause ⑦ | Press to pause or resume playback. |
| Shuffle ⑧ | Press to turn the Shuffle feature On or Off. Shuffle feature is for USB playback only. |
| Tune/Track Down ⑨ | Press to return to the previous track. Press and hold to fast reverse through the current track. |
| Repeat ⑩ | Press to select one of the following repeat options: Repeat Track, Repeat Folder or Repeat All. |

Media Player - BT Music / AV AUX Input



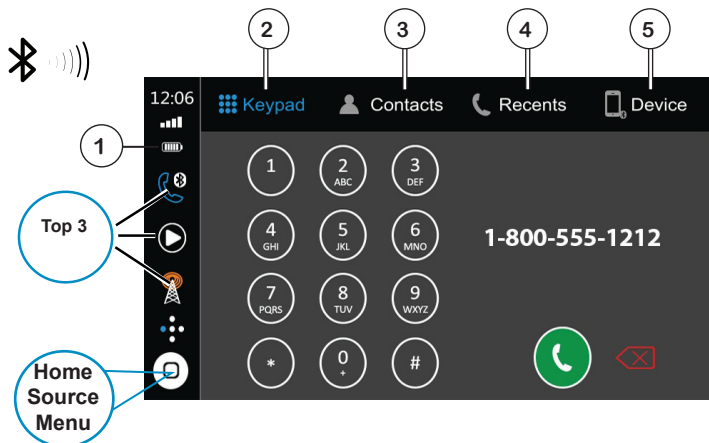
Media Player - Bluetooth Music



Media Player - Auxiliary Input

- | | |
|--------------------|--|
| Source Selector ① | Press desired option to select between audio sources for the media player: USB, Auxiliary Input or Bluetooth Music. |
| File/Folder List ② | Press to display all files/folders on the device (Music or Pictures). Press any file to begin playback. File/folder list is only available for USB playback. |
| Track Number ③ | Displays the current track number/total number of tracks. |
| Elapsed Time ④ | Displays the elapsed and total time for the current track. |
| Audio ⑤ | Press to access and adjust audio settings. |
| Tune/Track Up ⑥ | Press to advance to the next track. Press and hold to fast forward through the current track. |
| Play/Pause ⑦ | Press to pause or resume playback. |
| Shuffle ⑧ | Press to turn the Shuffle feature On or Off. Shuffle feature is for USB playback only. |
| Tune/Track Down ⑨ | Press to return to the previous track. Press and hold to fast reverse through the current track. |
| Repeat ⑩ | Press to select one of the following repeat options: Repeat Track, Repeat Folder or Repeat All. |

Bluetooth - Handsfree Operation



Preparation

Before you can use a Bluetooth device, it must be paired and connected. Make sure that Bluetooth is activated on your device before you begin the pairing process.

Pairing a New Device

The unit broadcasts the pairing signal constantly when no devices are currently connected. Complete the pairing sequence from your Bluetooth device. Refer to the owner's manual for your device for more details. The device name is "JENSENBT". The unit can be in any mode of operation when pairing is performed. On certain phones, pairing may need to be done more than once.

Connecting a Paired Device

Most Bluetooth devices support the auto-connect feature and will connect automatically if the device is in range when the unit is powered-on. If your device was previously paired but does not connect, enter the Bluetooth setup menu and turn Auto Connect on.

Bluetooth Phone

To access the phone, select Bluetooth Phone from the Main Menu or from any operational mode.

Signal Strength ①

Displays the strength of the current signal.

Keypad ②

Press to display the keypad.

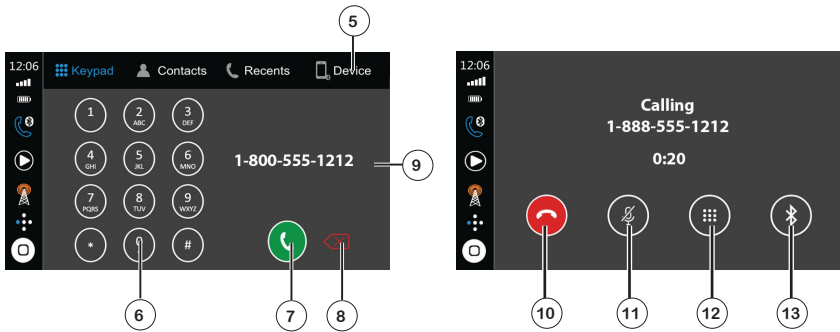
Contacts ③

Press to display stored contacts. Press any contact to dial that number.

Recent Calls ④

Press to display a list of recent calls. Press any number to dial.

Bluetooth - Handsfree Operation



- | | |
|----------------------------|---|
| Device Manager (5) | Press to display a list of paired devices, and select desired device to connect. |
| Keypad (6) | Use the keypad to dial a number. |
| Talk (7) | Press to connect a call to the number entered. |
| Backspace (8) | Press to backspace when using the keypad. |
| Phone Number (9) | Displays the number dialed. |
| End Call (10) | Press to end a call. |
| Mute (11) | Press to mute call audio. |
| Display Keypad (12) | Press to return to the keypad. |
| Transfer Audio (13) | Press to transfer call audio between the unit and the mobile phone. |

Connected Mobile Devices - Apple CarPlay



Apple CarPlay.

The ultimate copilot.

CarPlay is a smarter, safer way to use your iPhone in the car. CarPlay takes the things you want to do with your iPhone while driving and puts them right on your display. You can voice control via Siri directions, make calls, send and receive messages, and listen to music, all in a way that allows you to stay focused on the road. Just connect your iPhone and go.



Phone - Use Siri to make calls, return missed calls, listen to voicemail messages, and view the caller ID on the receiver's screen.



Messages - Ask Siri to send, read, and reply to text messages. This hands free operation minimizes distraction and allows you to keep hands on the wheel and eyes on the road.



Music - Access music by artist, song, play list, and more through the receiver's touchscreen or via Siri. The receiver will mirror the iPhone screen with artist and track information.



Maps - Use Siri to request turn-by-turn directions – search by address or points of interest. Apple Maps will be mirrored on the screen, including traffic information and estimated time to destination.

Some features, applications, and services are not available in all areas.

For more information on how to use Carplay,
visit <https://www.apple.com/ios/carplay/>

Note: Certain iPhone functions may be illegal while driving in your location. Be sure to familiarize yourself with local and state laws regarding mobile devices. When in doubt, stop and park your vehicle before using any devices.

CarPlay is compatible with these iPhone models.

iPhone 11 Pro Max

iPhone 11 Pro

iPhone 11

iPhone XS

iPhone XS Max

iPhone XR

iPhone X

iPhone 8

iPhone 8 Plus

iPhone 7

iPhone 7 Plus

iPhone 6s

For best results

- Always use an Apple Certified USB-A Lightning cable
- A car mount for your phone is recommended


CarPlay - Operation

Starting CarPlay

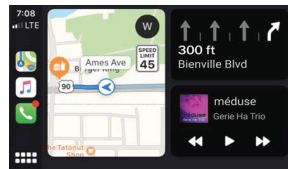
Connect an iPhone to the receiver's USB port using an Apple Certified Lightning cable (not included). Apple CarPlay will launch automatically. Familiar applications will appear on the on screen.

Note: For safety reasons, CarPlay features are limited while driving and will vary with each CarPlay-enabled app. Available functions are determined by each individual app provider. .

When the CarPlay menu is displayed, the home button in the lower left corner work just like the HOME button on your iPhone.

 Press and hold to activate Siri and begin your voice commands, you can also press the units PTT button while in CarPlay.

 At any time during CarPlay operation, you can press HOME button momentarily to return to the main CarPlay menu screen.



Press any Application button on the main CarPlay menu to access that operation directly. The toolbar on the left side of the screen displays the time, signal strength and shortcuts to the most popular applications - Phone, Music and Navigation - so they can be accessed quickly and easily without returning to the main menu.

Controlling CarPlay

The following basic controls will operate many standard CarPlay features.



Touch - Briefly press the desired option.



Swipe - Briefly swipe in the desired direction.



Drag - Press, hold and drag to the desired location.

Note: There is no need to pair Bluetooth to your iPhone when using CarPlay. Phone calls will occur automatically when connecting an iPhone to the unit's USB port.

Note: When CarPlay is in use, the unit's Bluetooth will turn off automatically and hands-free functionality will operate through the CarPlay feature. Any other devices connected via Bluetooth will be disconnected during CarPlay use.

Exit CarPlay

Disconnecting your iPhone will automatically exit CarPlay mode. To exit CarPlay manually while your phone is still connected, press the SOURCE button momentarily, and the unit's main SOURCE menu will be displayed.

Connected Mobile Devices - Android Auto



Android Auto brings the most useful apps to your phone screen or units display, in a format that makes it easy for you to keep your main focus on driving. You can control things like navigation and maps, calls and text messages, and music. With larger touch targets, a simplified interface, and your Google Assistant, it's designed to minimize distraction so you can stay focused on the road.

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.

Navigation

Get real-time traffic alerts to avoid hazards, speed traps, and find the fastest route. Or take a break and find a bite along the way.

Calls & Messages

Your Google Assistant lets you stay connected while you're driving. Your Assistant can help you call phone numbers from your contacts, chat with your favorite apps, read your messages aloud and text back, keeping your hands on the wheel.

Compatible Devices

What are the requirements to run Android Auto on my phone screen?

An Android phone running Android 5.0 (Lollipop) and up with a data plan. For best performance, we recommend Android 6.0 (Marshmallow) and up. You can check your phone's software version by looking at the About Device section under Settings

Warning:

Certain uses of the smartphone may not be legal while driving in your jurisdiction, so you must be aware of and obey any such restrictions. If in doubt as to a particular function, only perform it while the car is parked. No feature should be used unless it is safe to do so under the driving conditions you are experiencing.

Availability of Android Auto may vary depending upon your country and phone model.

For more information on how to use and download Android Auto, visit <https://www.android.com/auto/faq>

For best results

- Use an OEM USB cable
- A car mount for your phone (optional but recommended).

Starting Android Auto

Connect an Android Auto compatible device to the unit via USB cable. Android Auto will launch automatically, or it can be accessed at any time from the main menu.

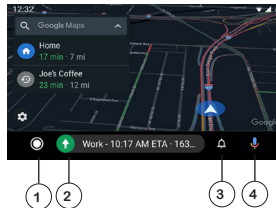
Note: When the device for Android Auto is connected to this unit, the device is also connected via Bluetooth at the same time. If five devices are already paired, the message confirming whether to delete the registered device is displayed. If you want to delete the device, touch [Agree]. If you want to delete other device, touch [BT Settings] and delete the devices manually.

Note: If Android Auto is turned on during a call on a cellular phone other than the Android Auto compatible device, the Bluetooth connection will switch to the Android Auto compatible device after the call.

Using Android Auto

The Android Auto home screen displays personalized information, like time to your destination, reminders, recent calls incoming messages, the song you're listening to, and Google Now cards.

When the Android Auto menu is displayed, you can say "OK Google" or select the microphone to talk to Google. You can also press the units PTT button while in Android Auto.



- ① Android Auto Home Screen
- ② Maps and Music
- ③ Notifications
- ④ "OK" Google Assistant

Exit Android Auto

To exit Android Auto, press the Exit button. Disconnecting your Android phone will also automatically exit Android Auto mode.

Cameras & Auxiliary Input

Rear Camera Connect an optional rear camera to the Rear Camera inputs (Yellow RCA connector for video and Black RCA connector for audio). Refer to the wiring diagram for details.

Manual selection - Touch the REAR CAMERA icon from the Main Menu or from any operational mode (when enabled) to select camera mode. Touch the top left area on the screen to exit camera mode.

Note: The manual mode is for dedicated cameras that are ALWAYS on while driving, it is not meant for cameras that are connected to the vehicle's reverse light.

The unit will automatically select camera mode when connected to the reverse lamp circuitry.

Note: The external video output is not active when using the rear camera input.

Front Camera Connect an optional front camera to the Front Camera inputs (Yellow RCA connector for video; there is no audio connection for a front camera. Refer to the wiring diagram for details.

Auxiliary Input Connect an optional audio source into the rear RCA input.

Select AUX IN from the Main Menu to listen to audio.

Adjust volume on the external audio source as needed (if connected to the headphone output of the device).

Media Compatibility

File Type			MP3
File System	FAT	FAT 12	X
		FAT 16/FAT 32	✓
File Extension	.mp3/.MP3/.Mp3/.mP3		✓
	.rmp/.m4a		X
MPEG Format	MPEG 1		✓
	MPEG 2		✓
	MPEG 2.5		✓
Sampling Frequency	MPEG 1		32/44.1/48kHz
	MPEG 2		12/16/22.05/24kHz
	MPEG 2.5		8/11.025/12kHz
Bitrate	MPEG 1		32 ~ 320kbps
	MPEG 2		8 ~ 160kbps
	MPEG 2.5		8 ~ 160kbps
Other Information	Directory Depth		Unlimited
	File Name Length		32 bytes
	Total File Number		2000 files
	Total Folder Number		200 folders
	File Number via Folder		2000 files
	MP3 ID3 TAG	ver.1.x	✓
		ver.2.x	✓
		Title, Artist, Album	✓

Notes:

- For USB mode, it is not possible to view JPG files on the in-dash monitor while the vehicle is moving. This is a safety feature to prevent driver distraction.
- The JPG image viewer function will only operate when vehicle is in park and the parking brake is engaged.

Media Compatibility

The following types of files are not compatible:

- MP3 PRO format, MP3 playlists
- RM format
- WAV format
- WMV format
- AAC, protected AAC, M4A format

Playback Order

MP3 playback sequence begins in the root folder of the USB drive. Any folders that do not include MP3/JPG files are skipped.

Compatible Recording Formats

ISO9660 standards:

- Maximum nested folder depth is 8 (including the root folder).
- Valid characters for folder/file names are letters A-Z (all caps), numbers 0-9, and “_” (underscore). Some characters may not be displayed correctly, depending on the character type.

Notes

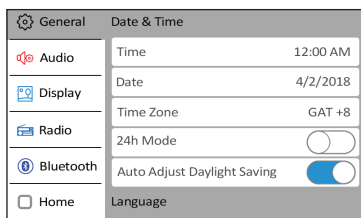
Some files may not play, depending on sampling rates and bit rates. For best results, use the following settings when ripping MP3 files: 128kbps or higher constant bit rate; 44.1kHz or higher sampling frequency.

Settings Menu

From the Main Menu, press the gear icon to access the Setup menu and adjust the following: General, Audio, Display, Radio and Bluetooth.



Swipe down for
more settings



General:

- **Time** - Press to set the time.
- **Date** - Press to set the date.
- **Time Zone** - Press to select time zone.
- **Daylight Savings Time** - Press to turn Daylight Savings Time on or off.
- **Clock Sync Automatically** - Press to select RDS, Phone or Off.
- **Language** - Press to set the language to English or Spanish.
- **Key Beep** - Turn the key beep on or off.
- **Power Off Delay** - Turn the power off delay on or off.
- **Factory Reset** - Press to reset unit to factory default settings.

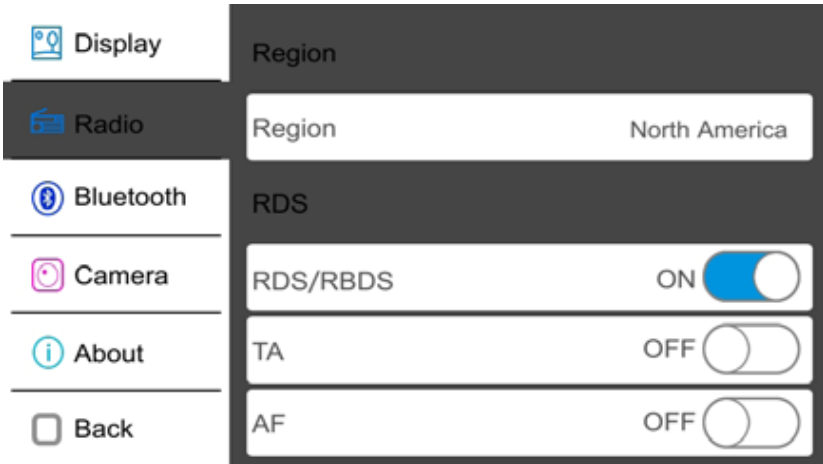
Audio:

- **Balance/Fader** - Adjust balance and fader levels.
- **Subwoofer Output** - Turn subwoofer output on or off.
- **Subwoofer Filter** - Select between 50Hz, 80Hz, 120Hz, 160Hz or Off.
- **EQ** - Press to adjust EQ levels.
- **Loudness** - Turn Loudness feature on or off.
- **Volume** - Adjust volume levels for Main Volume, BT Ringer, BT Call, Navi Mix and Device Mix.
- **Source Level** - Set desired volume level for each audio source.
- **Amp** - Turn internal amp on or off.

Display:

- **Screen** - Turn illumination control on or off, and adjust levels for Gamma Day, Gamma Night, Day Brightness and Night Brightness.
- **LED** - Turn animation effect on or off, select desired illumination color, select day/night colors and adjust day/night brightness levels.
- **Wallpaper** - Select from available wallpaper options.

Settings Menu



Radio:

- Radio Region - Select North America, Europe or Latin America.
- RDS/RBDS - Enable or disable this feature.
- Traffic Announcements - Enable or disable this feature.
- Alternate Frequencies - Enable or disable this feature.

Bluetooth:

- Bluetooth - Turn Bluetooth signal on or off.
- Auto Answer - Turn auto answer feature on or off.
- Auto Connect - Turn auto connect feature on or off.
- Device Name, BT Address & BT Profile - Displays unit information.

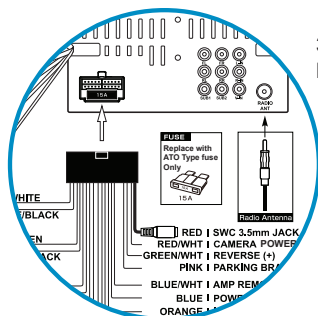
JENSEN

CAR689 OPTIONS

Steering Wheel Controls

A third-party adapter must be used in order for the CAR689 to be compatible with any OEM steering wheel controls.

The CAR689 has a built-in 3.5mm SWC interface that compatible with many popular 3rd party SWC control modules, such as PAC, METRA, and others.



3.5mm SWC port located on the rear of the unit, on the MAIN POWER I/O Harness

The following controls are available for most vehicles.

Volume +
Volume -
Mute
Seek / Track +
Seek / Track -
Band
Mode
BT Talk
BT End Call

Note: Not all OE steering wheel functions may be supported by the CAR689

We recommend the PAC SWI-RC .

1. Set "Radio Select Switch". Set the SWI-RC to position 7 - "Pioneer/Other/Sony".
2. To program, use the Pioneer/Sony/Other radio function mapping order.
3. When programming the SWI-RC, if a function is not supported (or not desired), then the function MUST be skipped as per the PAC SWI-RC instructions.
4. The SWC function MUST be programmed in the correct order per the PAC SWI-RC radio function mapping order instructions.

Limited One Year Warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Namsung America Inc. warrants this product to the original purchaser to be free from defects in material and workmanship for a period of one year from the date of the original purchase.

Namsung America Inc. agrees, at our option, during the warranty period, to repair any defect in material or workmanship or to furnish an equal new, renewed or comparable product (whichever is deemed necessary) in exchange without charges, subject to verification of the defect or malfunction and proof of the date of purchase. Subsequent replacement products are warranted for the balance of the original warranty period.

Who is covered?

This warranty is extended to the original retail purchaser for products purchased from an authorized Dual dealer and used in the U.S.A.

What is covered?

This warranty covers all defects in material and workmanship in this product. The following are not covered: software, installation/removal costs, damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product, or damage occurring during return shipment of the product. Specific license conditions and copyright notices for the software can be found via www.jensenmobile.com

What to do?

1. Before you call for service, check the troubleshooting guide in your owner's manual. A slight adjustment of any custom controls may save you a service call.
2. If you require service during the warranty period, you must carefully pack the product (preferably in the original package) and ship it by prepaid transportation with a copy of the original receipt from the retailer to an authorized service center.
3. Please describe your problem in writing and include your name, a return UPS shipping address (P.O. Box not acceptable), and a daytime phone number with your shipment.
4. For more information and for the location of the nearest authorized service center please contact us by one of the following methods:

- Call us toll-free at 1-888-921-4088
- E-mail us at cs@dualav.com

Exclusion of Certain Damages: This warranty is exclusive and in lieu of any and all other warranties, expressed or implied, including without limitation the implied warranties of merchantability and fitness for a particular purpose and any obligation, liability, right, claim or remedy in contract or tort, whether or not arising from the company's negligence, actual or imputed. No person or representative is authorized to assume for the company any other liability in connection with the sale of this product. In no event shall the company be liable for indirect, incidental or consequential damages.

JENSEN

CAR689 GENERAL

Trouble Shooting

General		
PROBLEM	CAUSE	ACTION
Unit will not turn on (no power)	Red and/or Yellow wire not connected or incorrect voltage	Check connections for proper voltage (11~16VDC)
	Black wire not connected	Check ground connection
	Blown fuse on unit or vehicle	Replace fuse(s)
Unit has power (but no sound)	Speaker wires not connected	Check all connections, including speakers
	Speakers are blown	Replace speakers
	One or more speaker wires touching each other or touching chassis ground	Insulate all bare speaker wires from each other and chassis ground
Unit blows fuse(s)	Yellow or red wire touching chassis ground	Check for pinched or shorted wires
	Speaker wires touching chassis ground	Check for pinched or shorted wires
	Incorrect fuse rating	Use fuse with correct rating
Unit has audio (but no video)	Parking brake safety circuit not connected Parking brake not applied	Check connections at parking brake Apply parking brake as described in manual
	Video Playback Codec is not supported	See Media Codec Support section

Customer Support

1-888-921-4088

(Monday-Friday, 9AM-5PM EST)

Visit <https://www.jensenmobile.com>

For Your Records

Please keep your original sales receipt and be prepared to provide this receipt in the event you require service, as your original receipt is considered the best proof of purchase and indicates the date you purchased your JENSEN product.

Dealer Info

Dealer Name: _____

Dealer Phone: _____

Purchase Date: _____

Specifications

FM Tuner

US Tuning Range: 87.5MHz-107.9MHz
EU Tuning Range: 87.50MHz-108.00MHz
Usable Sensitivity: 8.5dBf
50dB Quieting Sensitivity: 10dBf
Stereo Separation@ 1kHz: 30dB
Frequency Response: 30Hz-13kHz

AM Tuner

Tuning Range: 530kHz-1710kHz
Usable Sensitivity: <42dBu
Frequency Response: 30Hz-2.2kHz

Bluetooth

Version: 4.1 + EDR
Profiles: HFP / A2DP / PBAP
Range: Up to 33ft / 10m

Monitor

Brightness: 500 nit
TFT Resolution: 1024x600
TFT Backlighting: LED
Touch Screen Type: Capacitive

General Specifications

Operation Voltage Input: 11~16VDC
USB 1 Charge Output: 1.5A
USB 2 Charge Output: 1.0A
Speaker Nominal Impedance: 4~8 ohms
Line Output Voltage: 4 Volts RMS
Dimensions: 5" x 7" x 4" (126D x 178W x 101H mm)



CEA-2006 Power Standard Specifications

(reference: 14.4VDC +/- 0.2V, 20Hz~20kHz)

Power Output: 16 Watts RMS x 4 channels at 4 ohms and ≤1% THD+N

Signal to Noise Ratio: 80dBA (reference: 1 watt into 4 ohms)

CAR689

INSTALLATION & OWNER'S MANUAL



Customer Support

1-888-921-4088

(Monday-Friday, 9AM-5PM EST)

Visit <https://www.jensenmobile.com>

Designed and Engineered in USA

JENSEN[®]

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NSA1119-v01
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