



AVM211NAV

INSTALLATION/OWNER'S MANUAL

Multimedia Receiver with Bluetooth and Navigation
featuring a 10.1" Touch Screen Display



axxera™

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Copyright Notes

Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio, Inc. All rights reserved.
MicroSD logo is a trademark of SD-3C, LLC.

To see if your receiver has the latest firmware, contact customer service at 1-866-382-5476 to see if your radio needs an update.

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

Safety Information

Please read all instructions carefully before attempting to install or operate.

Due to its technical nature, it is highly recommended that your Axxera AVM211NAV 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 prescribed 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.
- You cannot view video while the vehicle is moving. Find a safe place to park and engage the parking brake.
- If you experience problems during installation, consult your nearest Axxera dealer.
- If the unit malfunctions, reset the unit as described on page 10 first. If the problem still persists, consult your nearest Axxera dealer or call tech assistance @ 1-866-382-5476.
- To clean the monitor, wipe only with a dry silicone cloth or soft cloth. Do not use a stiff cloth, or volatile 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 using the monitor for a while.
- When extending the ignition, battery or ground cables, make sure to use automotive-grade cables or other cables with an area of 0.75mm (AWG 18) 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.

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.

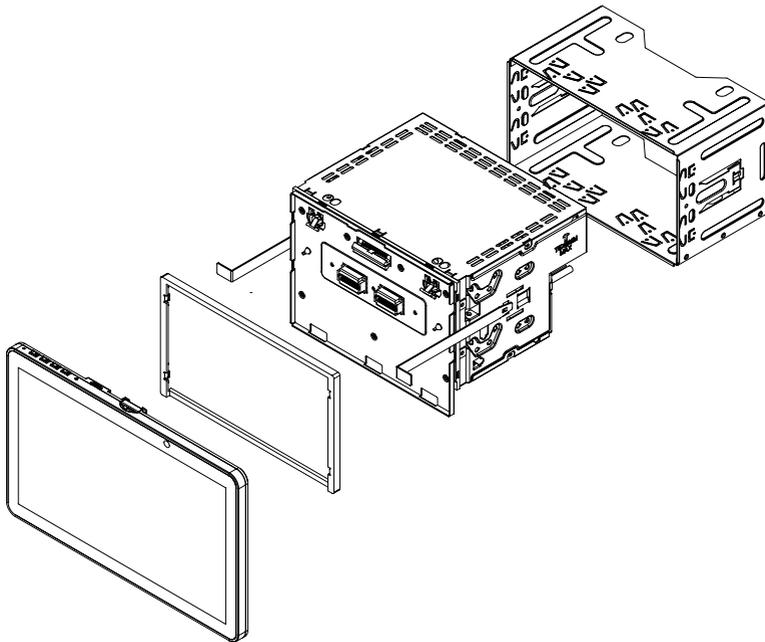
Preparation

Before You Start

- Disconnect negative battery terminal. Consult a qualified technician for instructions.
- 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.

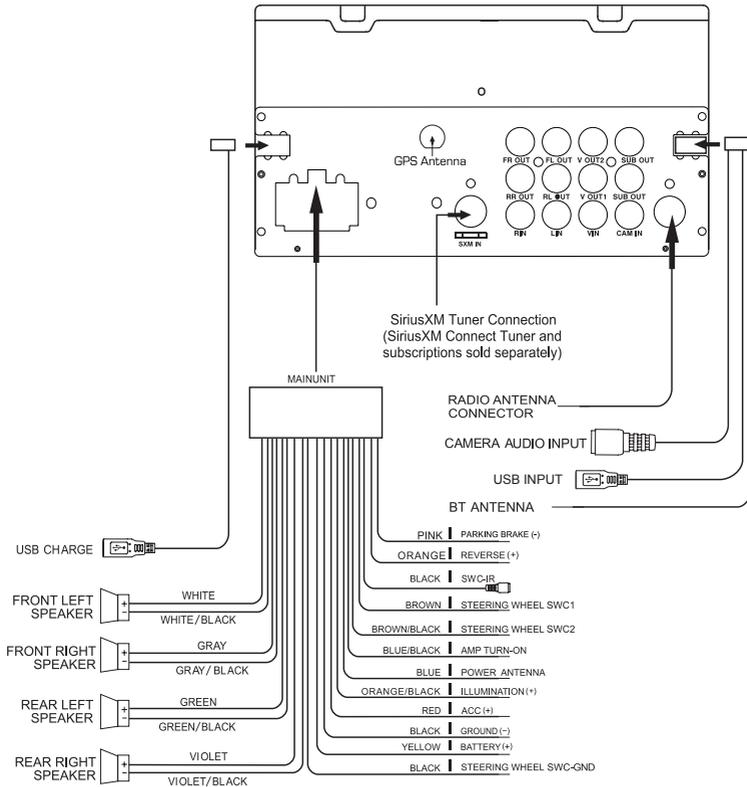
Getting Started

- Insert the supplied keys into the slots as shown.
- Connect wiring harness as shown on page 6. Consult a qualified technician if you are unsure.
- Certain vehicles may require an installation kit and/or wiring harness adapter (sold separately).
- Reconnect negative battery terminal, and test for correct operation.
- Snap trim ring into place (if required).



TYPICAL FRONT-LOAD DIN MOUNTING METHOD

Wiring Diagram - Inputs/Outputs



Note:

When replacing a fuse, make sure to use the correct type and amperage. Using an incorrect fuse could cause damage. The unit uses (1) 10 amp blade-type fuse located on the back of the unit.

Wiring Notes:

Rear camera input

A rear view camera (not included) can be used with the **Camera** input.

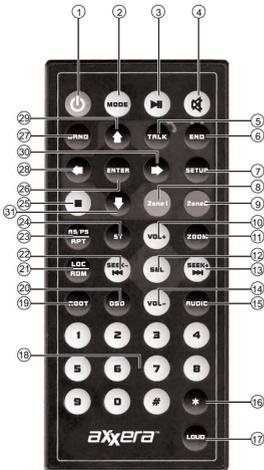
SiriusXM

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).

Control Locations



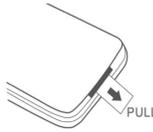
- | | | |
|----------------|-------------|-----------------------------|
| ① Microphone | ④ Volume Up | ⑦ MicroSD Card (Navigation) |
| ② Power / Mode | ⑤ Camera | ⑧ IR Sensor |
| ③ Volume Down | ⑥ Reset | |



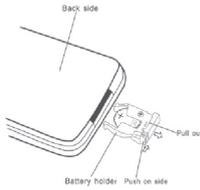
- | | |
|------------------------|------------------------------|
| ① Power | ⑱ Loudness |
| ② Mode | ⑲ Number Keys |
| ③ Play / Pause | ⑲ Root |
| ④ Mute | ⑲ OSD (On Screen Display) |
| ⑤ Talk | ⑲ Local / Random |
| ⑥ End Call | ⑲ Seek Down / Previous Track |
| ⑦ Setup | ⑲ AS/PS / Repeat |
| ⑧ Zone 1 | ⑲ Stereo |
| ⑨ Zone 2 | ⑲ Stop |
| ⑩ Volume Up | ⑲ Enter / Direct Tune |
| ⑪ Zoom | ⑲ Band |
| ⑫ Select | ⑲ SiriusXM Skip Backward |
| ⑬ Seek Up / Next Track | ⑲ SiriusXM Channel Up |
| ⑭ Volume Down | ⑲ SiriusXM Skip Forward |
| ⑮ Audio | ⑲ SiriusXM Channel Down |
| ⑯ * Key | |

Remote Control Preparation

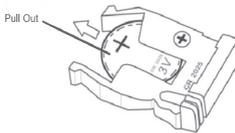
Remove battery insulation tape .



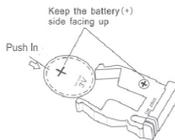
To insert or replace the battery, remove the battery holder.



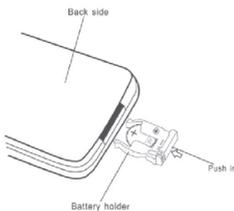
Remove the battery from the battery holder.



Install the new battery.
Make sure to keep the (+) side up.



Insert the battery holder.



Notes:

- The remote control uses one 3 volt Lithium CR2025 battery. Remove the battery if the remote will not be used for a month or longer.
- Remove and dispose of battery properly.
- Do not store battery with metallic objects or materials.



General Operation

- Power On/Off** Press  to turn the unit on. Press and hold  to turn the unit off.
- Mode** Press **MODE** to access available input modes: Radio, SiriusXM, Navigation, USB, Bluetooth Phone, Bluetooth Music, Rear Camera, AV In and Settings. Modes of operation are indicated on the display and/or the monitor. USB device must be connected/inserted to appear in the mode selection string.
- Volume** Press the Volume + or Volume - on the top of the front panel, the Volume Pop up window will show up on the screen. Press the Volume Button on the top of the front panel or swipe left and right the volume on the pop up window directly to adjust the volume level lower or higher[0~42].
- Mute** Press the volume + or volume - on the top of the front panel. The volume Pop up window will show up on the screen. Press the speaker icon in the volume pop up window to turn mute on or off. When the volume pop up window disappears on the screen and the unit is in mute state, press the screen to cancel the mute.
- USB Port** Connect a USB device to the rear USB port to play MP3 files or view JPG photos.
- MicroSD Slot** MicroSD slot is for navigation use only. Use of any other MicroSD card may cause damage to the unit.
- Using AV Input** Connect an optional audio/video source to the rear auxiliary input[Red/White/Yellow RCA connectors].
- Main Menu** From any operational mode, press the house icon in the top left corner to access the Main Menu screen.



1. Adjust screen brightness or put the monitor into standby mode.
2. Access audio setting such as EQ, Surround Sound Settings and Field Settings [Balance and Fader].

- Speaker Zone 1** Press the **Zone 1** button to turn on/off the sound from this zone
- Speaker Zone 2** Press the **Zone 2** button to turn on/off the sound from this zone.

General Operation

Setup Menu From the Main Menu screen, press **Settings** in the bottom right corner to access the Setup Menu and select from the following categories: General, Audio, Video and Bluetooth.



General:

- **OSD Language** - Select English as the language for the on-screen display.
- **Wallpaper** - Select between three available wallpaper options.
- **Panel Adjust** - Select to calibrate the touch screen.
- **Radio Area** - Select your current geographic area: Europe, USA, South America, Russia and **Asia**.
- **Time Setting** - Adjust the current time (hours and minutes) and choose between a 12-hour and 24-hour clock.
- **SWC** - Select to program steering wheel controls.
- **Beep** - Select to turn the audible beep **On** or **Off**.
- **Camera** - Select to turn the rear camera **On** or **Off**.
- **Version** - Select to view information about the unit.
- **Restore Default** - Select to restore the unit to default settings.

Audio:

- **Sound Effect** - Select to access the three sound effect sub-menus.
 - **EQ** - Select from any preset equalization curve (Classic, Rock, Pop, Jazz, Beat, Flat) or use custom settings (User).
 - **Subwoofer** - Select the desired Subwoofer frequency and volume.
 - **Loudness** - Turn the Loudness setting On or Off.
 - **Loudness Cutoff Frequency** - Select the desired frequency as a cutoff for the Loudness setting.

Video:

- **Aspect Ratio** - Select the desired aspect ratio: 4:3PS, 4:3LB or 16:9.
- **Adjust** - Select to adjust levels of Brightness, Contrast, Hue, Saturation and Sharpness.
- **Panel** - Select to choose backlight settings: 10s, 20s, 30s or Off.

Bluetooth:

- **Auto Connect** - Turn auto connect feature **On** or **Off**.
- **Auto Answer** - Turn auto answer feature **On** or **Off**.

AM/FM Tuner Operation



Radio Operation Select the Radio icon from the Main Menu screen.

Main Menu ① Press to return to Main Menu screen.

Current Mode Indicator ② Displays current mode of operation.

Tune Frequency Down ③ Press momentarily to tune the unit down one step at a time. Press and hold to tune down by seeking the next strong station.

Preset Stations ④ To store a preset station, tune unit to desired station, then press and hold the desired preset button to store the current station in that preset spot. Up to 18 FM and 12 AM stations can be stored in memory. Momentarily press any preset station to play it instantly.

Screen ⑤ Press to adjust screen brightness or put the monitor into standby mode.

Band ⑥ Press to select between three FM and two AM bands.

Local / Distance ⑦ Press to toggle between LOCAL and DX (distance) tuning.

Audio ⑧ Press to access audio setting such as EQ, Surround Sound Settings and Field Settings (Balance and Fader).

Stereo / Mono ⑨ Press to toggle between Stereo and Mono tuning.

AM/FM Tuner Operation



AS/PS ⑩ Press and hold to automatically store the six strongest stations in the current band as presets. Press briefly for a preset scan, which will scan all preset stations and play 10 seconds of each. Press again to cancel the scan and continue playing the current station.

Settings ⑪ Press to access the Settings Menu.

Tune Frequency Up ⑫ Press momentarily to tune the unit up one step at a time. Press and hold to tune up by seeking the next strong station.

USB Operation



MP3 or JPG Operation

To play MP3 files from a USB device, insert device and playback will begin automatically. To return to USB playback from another mode of operation, select the corresponding icon from the Main Menu.

- **USB Playback** - Insert a USB device into the USB slot on the front of the unit.

Main Menu ① Press to return to Main Menu screen.

Current Mode Indicator ② Displays current mode of operation.

File Information ③ Displays information about the current file.

Screen ④ Press to adjust screen brightness or put the monitor into standby mode.

Tune / Track Down ⑤ Press momentarily to tune the unit down one step at a time. Press and hold to tune down by seeking the next strong station.

Play / Pause ⑥ Press to play or pause playback.

Audio ⑦ Press to access audio setting such as EQ, Surround Sound Settings and Field Settings (Balance and Fader).

Tune / Track Up ⑧ Press momentarily to tune the unit up one step at a time. Press and hold to tune up by seeking the next strong station.

USB Operation



- Folder Search** ⑨ Press to access the directory of folders and files. Use the up/down arrows to scroll through the folder list, then press on the name of the desired folder to access it. Use the up/down arrows to scroll through the file list, then press on the name of the desired file to access it.
- Settings** ⑩ Press to access the Setting Menu.
- Repeat** ⑪ Press to turn Repeat feature on.
- Random** ⑫ Press to turn Random feature on.

Bluetooth 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 "Axxera AVM211NAV". The Bluetooth passcode "0000".** The unit can be in any mode of operation when pairing is performed.

Note: On certain phones, pairing may need to be done more than once if there are connectivity issues.

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 ensure that Auto Connect is On.

Bluetooth Phone

To access the phone, select Bluetooth Phone from the Main Menu.

Main Menu ①

Press to return to the Main Menu screen.

Current Mode Indicator ②

Displays current mode of operation.

Phone Keypad ③

Use the phone keypad to dial the desired phone number. Alternately, numbers can be dialed directly from the phone.

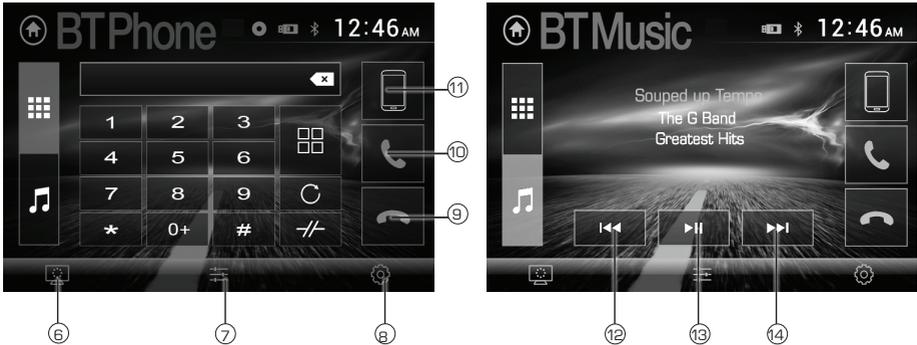
Phone ④

Press to display keypad and dial a number.

Music ⑤

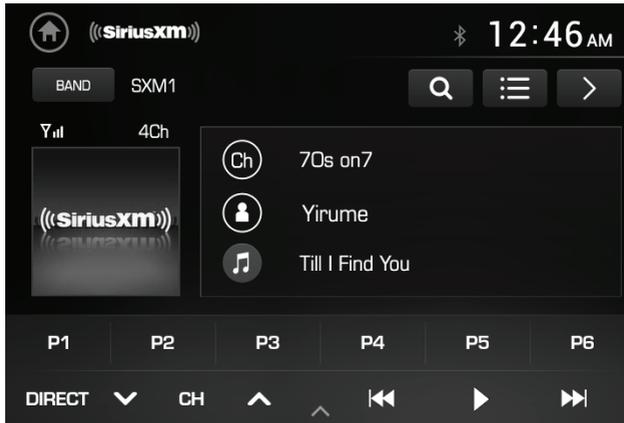
Press to play music using the Bluetooth connection.

Bluetooth Operation



- Screen** (6) Press to adjust screen brightness or put the monitor into standby mode.
- Audio** (7) Press to access audio setting such as EQ, Surround Sound Settings and Field Settings (Balance and Fader).
- Settings** (8) Press to access the Settings Menu.
- End Call** (9) Press the end the current call.
- Make a Call** (10) Press to connect or answer a call.
- Bluetooth Music** (11) To use your Bluetooth connection to play music from your device, press #5 or select Bluetooth Music from the Main Menu.
- Previous File/Track** (12) Press to go back to the previous file or track.
- Play / Pause** (13) Press to pause or resume playback.
- Next File/Track** (14) Press to advance to the next file or track.

SiriusXM® Satellite Radio Operation



SiriusXM® Radio

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.

Activating SiriusXM® Radio

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 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.

Accessing SiriusXM® Radio

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

SiriusXM® Satellite Radio Operation



Main Menu (1) Press to return to the Main Menu screen.

Band (2) Touch to select a band of preset channels. Three bands are available: SXM1, SXM2, and SXM3. Each band can store up to six preset channels. (Preset channels are accessed from the List icon.)

Current Mode Indicator (3) Displays current mode of operation.

Program Information (4) Displays program information such as channel name, artist name and song title.

Search (5) Press to enter search mode, then press Channel to choose between the following search options: Channel, Artist, Song Title or Info. Use the up/down arrows on the left side to navigate categories, and use the up/down arrows on the right side to navigate channels, artists, song titles or info.



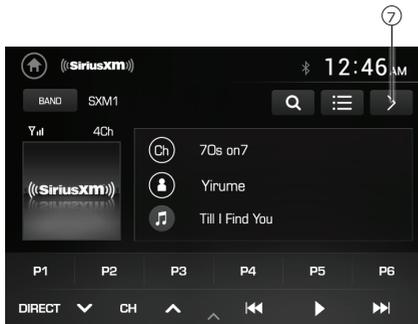
Category & Channel

Preset Channel List (6) Press to display a list of preset channels in the current band.



Preset Channel List

SiriusXM® Satellite Radio Operation



Additional Options ⑦ Press to display/adjust the options Mode, Tune Scan and Go to Live:

Mode - Press to access and adjust the following options:

- **Parental Code** - When enabled, the Parental Control feature requires you to enter a passcode to tune to the locked channels. Press "Change" to change the parental code. Follow the prompts to enter the current code, then enter and confirm the new code. The default code for the unit is "0000".
- **Parental Control** - The Parental Control feature allows you to limit access to any SiriusXM channels, including those with mature content. Select a Parental Control option: Off (turns Parental Control off) Mature (locks all mature channels) or User (allows the user to lock specific channels using the Parental Lock Channel feature). Enter the Parental Code when prompted to confirm the change.
- **Parental Lock Channel** - Press "SET" to select specific channels to lock. Press "All Clear" to clear all locked channels.
- **Channel Skipping** - If Parental Control is set to User; press "SET" to select channels to skip. Press "All Clear" to clear locked channels.
- **TuneStart™** - Press "ON" or "OFF" to enable or disable TuneStart. With TuneStart enabled, when the user tunes to a Smart Favorite channel that predominantly plays music selections, the unit plays the current track from the start so the user can enjoy the full track rather than joining the channel live broadcast (typically somewhere in the middle of the track).

TuneScan™ - Press "ON" or "OFF" to enable or disable TuneScan. With TuneScan enabled, when the user initiates the TuneScan function, the unit plays samples from the starts of multiple buffered songs from each of the Smart Favorite channels that predominantly play music selections. This gives the user easy access to a large sampling of music content, and they can enjoy hearing a full song when stopping the scan on a song of interest.

Go to Live - Press to resume play of live broadcast while in Replay mode. See page 19 for information on Replay mode.

SiriusXM® Satellite Radio Operation



Preset Buttons 8

Press and hold any preset button (1-6) to save the current station as a preset. Press the desired preset button to begin playback of the corresponding preset channel.

Direct 9

Press to display screen for direct channel access. Press the desired channel number, then press Enter. Playback of desired channel will begin.

Channel Down 10

Press to go back to the previous channel.

Channel Up 11

Press to advance to the next channel.

On Screen Controls 12

Press to display the following controls: on the bottom of the screen.



A. Press to adjust screen brightness or put the monitor into standby mode.

B. Press to access audio setting such as EQ, Surround Sound Settings and Field Settings (Balance and Fader).

C. Press to access the Settings Menu.

Replay

Replay is a feature that allows the user to pause, rewind and replay content from the active channel. During Replay, the Replay bar will appear towards the top of the screen and display replay time in red and time to live in yellow. The time to live play will also be displayed as a number above the Replay bar.



Tune / Track Down 13

Press to enter Replay mode. Once in Replay mode, press to skip to the previous track or press and hold to fast reverse.

Play / Pause 14

Press to pause and replay content from the active channel.

Tune / Track Up 15

Press to skip to the next track. Press and hold to fast forward. Press repeatedly to "catch up" and resume live play. Selecting **Go to Live** under Additional Options will also resume live play.

Navigation Operation

Navigation Operation

To access navigation functions, select Navigation from the Mein Menu.

For questions regarding navigation operation, refer to the Navigation manual available online at www.axxeraaudio.com/support/manuals.php.

Rear RCA A/V Input

Using AV Input

Connect an optional audio/video source to the rear auxiliary input (Red/White/Yellow RCA connectors). Refer to page 6 for details.

Select AV Input from the Main Menu to listen to audio.

Engage parking brake to watch video.

Rear Camera Operation - (Optional)

Using Rear Camera

Connect an optional rear camera to the Camera Input (Black RCA connector). Refer to the wiring diagram for details.

Manual selection - Touch 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.

Auto Selection

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.

Troubleshooting

General		
Problem	Cause	Action
Unit will not turn on (no power)	Yellow wire not connected or incorrect voltage Red wire not connected or incorrect voltage	Check connections for proper voltage (11 ~ 16VDC)
	Black wire not connected	Check connection to ground
	Fuse blown	Replace fuse(s)
Unit has power (but no sound)	Speaker wires not connected	Check connections at 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 wire
	Speaker wires touching chassis ground	Check for pinched wire
	Incorrect fuse rating	Use fuses with correct rating
Unit has audio (but no video)	Parking brake safety circuit not connected	Check connections at parking brake
	Parking brake not applied	Apply parking brake as described on page 26
No video display (when in reverse)	Reverse circuit not connected Vehicle is not in reverse	Check connections at reverse lamp Select reverse gear
IR remote does not work	Dead battery	Replace battery

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 Axxera product.

Dealer Name _____

Dealer Phone _____

Purchase Date _____

Register Your Product

Register your product online at www.dualav.com.

SiriusXM Troubleshooting

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	<p>The radio has detected a change in your SiriusXM subscription status. Press << >>> to clear the message. 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.</p>
Channel Unavailable	<p>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.</p>
Channel Unsubscribed	<p>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.</p>
Channel Locked	<p>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 Parental Control feature and how to access locked channels.</p>
No Content	<p>TuneScan is not available. Please allow the tuner some time to buffer new songs to scan.</p>
Invalid Lock Code	<p>If "Invalid Lock code" message is displayed on the screen, it will disappear automatically after three seconds, then you can enter the password again.</p>

Limited One Year Warranty

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

Dual Electronics Corp. 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.

Dual Electronics Corp. 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.dualav.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 1-866-382-5476
- 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.

Specifications

FM Tuner	Tuning range: 87.5MHz-107.9MHz Usable sensitivity: 10dBf 50dB quieting sensitivity: 20dBf Stereo separation @ 1kHz: 38dB Frequency response: 30Hz-13kHz
AM Tuner	Tuning range: 530kHz-1710kHz Usable sensitivity: 24uV Frequency response: 30Hz-2.3kHz
Front USB	Compatibility: High Speed USB 2.0 USB Class: Mass storage class
Monitor	Panel size: 10.1" diagonal measurement View angle (up/down/left/right): 50/70/70/70 Resolution: 800 (H) x 480 (V) Brightness (cd/m ²): 250 Contrast ratio: 450:1 Pixels: 1,152,000
General	Speaker output impedance: 4 ohms Line output voltage: 4 volt RMS Line output impedance: 200 ohms Chassis dimensions: 7" x 7" x 4" (W x D x H)

Design and specifications subject to change without notice.

Parts List

Part Name	Part Number	Pieces
Trim Ring	40-042502-0002	1
Removal Key	44-042218-0100	2
Remote control	74-010101-1001	1
SWI Guide	60-C16169-01-01	1



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]