ASC419N

INSTALLATION/OWNER’S MANUAL

Multimedia Receiver with Bluetooth, Navigation and SiriusXM-Ready
featuring a 10.1" Touch Screen Display

SiriusXM® Ready  Bluetooth®

USB  Made for iPhone  MP3

axxera™
Copyright Notes

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.

Operating system updates from Apple and Android may cause your receiver not to function properly. This can usually be fixed by doing a software/firmware update to the receiver itself. 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.

The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc.
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 ASC419N 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
• Connect wiring harness as shown on page 4. Consult a qualified technician if needed.
• Mount the Front Panel to the car dash board using the VESA Mounting method.
• The Main Control Box is fixed to the body of the car.
• Connect Front Panel and Main Control Box with LVDS Cable.
Note:
When replacing a fuse, make sure to use the correct type and amperage. Using an incorrect fuse could cause damage. The unit uses (1) 15 amp blade-type fuse located on the back of the unit.

Wiring Notes:

Camera input
Camera (not included) can be connected to the Left, Right, and Rear Camera Inputs on the rear side.

Axxera RV Nav Navigation App
Connect an APP-enabled iPhone or Android via the USB 1 slot to use navigation features.

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. Reset
2. Map
3. Home
4. Mode
5. Power / Mute
6. Camera
7. Tune / Track Up
8. Tune / Track Down
9. Microphone
10. Preset 6 / Folder Up
11. Preset 5 / Folder Down
12. Zone 2
13. Zone 1
14. Talk
15. Preset 4 / Play / Pause
16. Preset 1 / Repeat
17. Map
18. Tune / Track Down
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

<table>
<thead>
<tr>
<th>Power On/Off</th>
<th>Press (\text{\textbullet}) to turn the unit on. Press and hold (\text{\textbullet}) to turn the unit off.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode</td>
<td>Press MODE to access available input modes: Bluetooth Music, Bluetooth Phone, Radio, USB, AV In, Camera, SiriusXM, iPod, Settings. Modes of operation are indicated on the display and/or the monitor. USB device or iPod device must be connected/inserted to appear in the mode selection string.</td>
</tr>
<tr>
<td>Volume</td>
<td>Rotate the volume knob to increase or decrease the volume level.</td>
</tr>
<tr>
<td>Mute</td>
<td>Momentarily press (\text{\textbullet}) to silence the audio. Momentarily press (\text{\textbullet}) again to return to the previously selected volume. Rotating the volume knob while muted will also cancel the mute function.</td>
</tr>
<tr>
<td>AV Input</td>
<td>Connect an optional audio/video source to the rear auxiliary input [Red/White/Yellow RCA connectors].</td>
</tr>
<tr>
<td>USB Port</td>
<td>Connect a USB device to the USB port on the control box to play MP3 files or view JPG photos.</td>
</tr>
<tr>
<td>Camera</td>
<td>Press the camera icon in the Main Menu to switch to Always On Camera Mode. Camera Mode will return to the screen of the current operational mode.</td>
</tr>
<tr>
<td>Main Menu</td>
<td>From any operational mode, press the house icon in the top left corner to access the Main Menu screen.</td>
</tr>
</tbody>
</table>
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, Date Time, Wallpaper, Video, SWC, Sound Effect, Radio, Bluetooth and Camera.

General:
- **OSD Language**: Select English as the language for the on-screen display.
- **Beep**: Select to turn the audible beep On or Off.
- **Reset**: Press OK to return all settings to the default state.
- **SIM Set**: Press to select the SIM D or SIM A
- **About**: Select to view information about the unit.

Date Time:
- **24-Hour Clock**: Select to turn the 24-hour clock On or Off. 12-Hour Clock is the unit's default.
- **24-Hour Clock**: Press to adjust date and time settings, then press OK to save changes.

Wallpaper:
- **Live Wallpapers**: Press to select a moving image as the unit's wallpaper, then press Set Wallpaper to save changes.
- **24-Hour Clock**: Press to select a static image as the unit's wallpaper, then press Set Wallpaper to save changes.

Video:
- **Rear Camera Mirror**: Select mirror options for the rear camera: Normal, Left-Right, Up-Down or All.
- **Parking**: Select to turn parking assistance On or Off.
- **Brightness**: Drag the red dot to adjust screen brightness.
- **Contrast**: Drag the red dot to adjust screen contrast.
- **Hue**: Drag the red dot to adjust screen hue.
- **Saturation**: Drag the red dot to adjust screen saturation.
- **Colorful**: Press to activate preset display for daytime driving.
- **Soft**: Press to activate preset display for nighttime driving.
- **Reset**: Press to reset video settings to the factory default.
- **Backlight**: Press to adjust backlight settings [1, 2 or 3].

SWC:
- **Steering Wheel Controls**: Press to display functions that can be linked to steering wheel controls. To set, press the steering wheel button first,
General Operation

### Setup Menu

#### Sound Effect:
- **Speaker Zones** - Press to turn each audio zone {1 and 2} **On** or **Off**.
- **Balance** - Adjust audio balance left to right by dragging the red dot or by pressing the left and right arrows.
- **Loudness** - Turn the Loudness feature **On** or **Off**.
- **Subwoofer** - Turn the Subwoofer **On** or **Off**.
- **Reset** - Press to return audio settings to the factory default.
- **EQ** - Use the arrows at the top of the screen to scroll through the following preset EQ settings: Flat, Bass Boost, Treble Boost, Pop, Classic, Rock, Folk, Voice, Dance or Jazz. Press desired preset to apply it. Select User to manually change the gain for each frequency.

#### Volume Set:
- Select a default volume level for each operational mode.

### Radio:
- **Radio Area** - Press to select the desired radio area: Europe, US, South America, Russia or Asia.
- **RDS** - Turn the RDS feature **On** or **Off**.
- **RDS Regional** - Turn the RDS Regional feature **On** or **Off**. Turning this on allows the unit to tune to regional programming while traveling.
- **RDS TA** - Turn the Traffic Announcements feature **On** or **Off**.
- **RDS AF** - Turn the Alternative Frequencies feature **On** or **Off**.
- **RDS Time Sync** - Turn the RDS Time Sync feature **On** or **Off**. Turning this on allows the unit to sync clock information to RDS stations.

### Bluetooth:
- **Device Name** - Displays the Bluetooth device name.
- **Device Pin** - Displays the Bluetooth device PIN.
- **Auto Connect** - Turn the Auto Connect feature **On** or **Off** to determine whether or not the unit will connect to available Bluetooth devices.
- **Auto Answer** - Turn the Auto Answer feature **On** or **Off** to determine whether or not the unit will automatically answer incoming calls.

### Camera:
- **Left/Right Camera** - Press to turn this function **On** or **Off**.
- **Camera Audio** - Press to turn rear camera audio **On** or **Off**. Selecting On programs the unit to play audio from the rear camera when the vehicle is in reverse. Selecting Off will allow current mode audio to keep playing instead.
- **Camera Audio Level** - Select desired level for rear camera audio.

### Navigation:
- **Navigation Gain** - Select desired gain for navigation audio.
- **Navigation Volume** - Select desired volume for navigation audio.
- **Navigation Remix** - Select desired remix for navigation audio.
AM/FM Tuner Operation

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

Previous Screen 1
Press to return to the previous screen.

Main Menu 2
Press to return to the Main Menu screen.

Band 3
Press to select between three FM and two AM bands.

Local / Distance 4
Press to toggle between LOCAL and DX (distance) tuning.

Current Mode Indicator 5
Displays current mode of operation.

Stereo/Mono 6
Press to toggle between Stereo and Mono tuning.

AS/PS 7
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.

Frequency Bar 8
Indicates current frequency. Drag left or right to adjust to higher [right] or lower [left] frequency.

Frequency Display 9
Indicates current frequency and radio setting status

Preset Stations 10
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.
AM/FM Tuner Operation

- **Press momentarily to tune the unit up one step at a time. Press and hold to tune up by seeking the next strong station.**

- **Touching this icon will switch to Always On Camera Mode unconditionally. And Speaker Sound now has Radio Sound.**

- **Press to turn Alternative Frequencies off/on (only when RDS is On).**

- **Press to turn Traffic Announcements off/on (only when RDS is On).**

- **Press to increase volume.**

- **Displays current volume level (0-40).**

- **Press to decrease volume.**

- **Press to turn Program Type off/on (only when RDS is On).**

- **Press to access navigation mode whenever an app-enabled phone is connected to the USB port.**

- **Press momentarily to tune the unit down one step at a time. Press and hold to tune down by seeking the next strong station.**
### USB & iPod Operation

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous Screen</td>
<td>Press to return to the previous screen.</td>
</tr>
<tr>
<td>Main Menu</td>
<td>Press to return to Main Menu screen.</td>
</tr>
<tr>
<td>Current Mode Indicator</td>
<td>Displays current mode of operation.</td>
</tr>
<tr>
<td>Audio Settings</td>
<td>Press to adjust 10 Band Tone Control, Balance, Fader Preset Setting.</td>
</tr>
<tr>
<td>File Search</td>
<td>Press to access the directory of folders and files. Use the up/down arrows to scroll through the folder list, then press the name of the desired folder to access it. Use the up/down arrows to scroll through the file list, then press the name of the desired file to access it.</td>
</tr>
<tr>
<td>Random</td>
<td>Press to turn random playback On or Off.</td>
</tr>
<tr>
<td>Track Up</td>
<td>Press to advance to the next file or track.</td>
</tr>
<tr>
<td>Play / Pause</td>
<td>Press to toggle between Play and Pause functions.</td>
</tr>
<tr>
<td>Track Down</td>
<td>Press to go back to the previous file or track.</td>
</tr>
<tr>
<td>Repeat</td>
<td>Press to step through the following options for repeat play: Repeat One, Repeat Folder and Repeat All.</td>
</tr>
<tr>
<td>Elapsed Time</td>
<td>Indicates elapsed time for current file or track.</td>
</tr>
<tr>
<td>File Information</td>
<td>Displays information about the current file.</td>
</tr>
</tbody>
</table>
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.

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 “ASC419N”. 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.

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.

**Previous Screen**

Press to return to the previous screen.

**Main Menu**

Press to return to the Main Menu screen.

**Current Mode Indicator**

Displays current mode of operation.

**Phone Keypad**

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

**Phone Number**

Displays the phone number entered.

**Talk**

Press to dial the phone number entered.
Bluetooth Operation

**Dialing** 7  
Press to display keypad to enter a phone number and make a call.

**Recent Calls** 8  
Press to display a list of recently-called numbers, then press the desired phone number to call it.

**Phone Book** 9  
Press to view a list of contacts stored in your phone, then press the desired phone number to call it.

**Pairing** 10  
Press to check the currently paired phone, cancel pairing of the currently connected phone or select a previously paired phone.

**Bluetooth Music** 11  
Press to play music using the Bluetooth connection.

**Phone Book Search** 12  
Enter a name using the keypad, then press this icon to search your contact list for the desired phone number.

**Audio Setting** 13  
Press to adjust 10 Band Tone Control, Balance, Fader Preset Setting.

**Track Up** 14  
Press to advance to the next file or track.

**Play / Pause** 15  
Press to pause or resume playback.

**Track Down** 16  
Press to go back to the previous file or track.
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.

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.

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.)

Program Information ③ Displays program information such as channel name, artist name and song title.

Current Mode Indicator ④ Displays current mode of operation.

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.
Additional Options

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 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 22 for information on Replay mode.
**SiriusXM® Satellite Radio Operation**

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

**Channel Down**
Press to go back to the previous channel.

**Channel Up**
Press to advance to the next channel.

**On Screen Controls**
Press to display the following controls: on the bottom of the screen.

A. Navigation Mode
B. Volume Down
C. Volume Up
D. Camera Audio

**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**
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**
Press to pause and replay content from the active channel.

**Tune / Track Up**
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

NOTE: When using the Navigation feature / Nav App on your smartphone you will be using your cellular data and data rates will occur. We recommend using Wi-Fi when available.

Map ①
Press this button to toggle the current mode and navigation.

Navigation ②
To access navigation function, select Navigation from the Main Menu or press the map pin icon from any mode of operation.

Navigation Operation
To enter navigation mode, accept the caution message and input vehicle information.

Axxera RV Nav Navigation App
Download the Axxera RV Nav Navigation App from Apple Appstore or Google Playstore, install it on a smartphone or tablet and connect your device to the ASC419N’s USB port to display maps and navigation on the unit’s display.

App Setup
The app will prompt you to Create a New Account [1], agree to Terms of Service [2], select a User Name/Password [3] and Verify Email [4].
Navigation Operation

Unit Registration

The Axxera RV Nav Navigation App is free for 30 days, but your purchase of the ASC419N includes use of the app for 3 years using the product code that was included with your receiver. Access Settings (1) / My Account (2) / Register My Head Unit (3) to complete the registration process. If you do not register the unit within the first 30 days, you will get an expiration notice (4) and will need to contact customer service (866-382-5476) for assistance.

Map Downloads

The app will prompt you to download the desired map area, or you can download maps at any time from the Settings menu.

Select the desired state, region or choose ALL to download all maps, then press Next to begin the download.

Map downloads utilize a large amount of data, so it is recommended to connect to Wifi before beginning a map download.

Main Menu

From the Main Menu, you can:
1. Program home and office locations.
2. Add or access Favorite locations.
3. Search RV POI, including campgrounds, service, gas stations, parking, rest areas, travel centers, restaurants, attractions, recreation, shopping, banks/ATMs, art & entertainment, medical care, transit and lodging.
4. Search for a location by address.
5. Search for a location by POI name.
6. Search for a location by contact.
7. Search for a location by itinerary, and create/delete itinerary routes.
# Navigation Operation

## Settings Menu
Access the Settings menu to adjust the following options:

- **My Vehicle**
- **Routing Options**
- **Guidance Settings**
- **Display Settings**
- **Home Setting**
- **Office Setting**
- **My Account**
- **Map Download**
- **EULA**
- **About**
- **Reset**

### My Vehicle
Set the app to route either an RV/Truck or a Car, and input vehicle information such as Weight, Length, Width and Height.

### Routing Options
Use the recommended routing options, or program the unit to route by shorter distance, eco route or display multiple route options. Select Avoidance Options to program the unit to avoid any of the following: U-turns, Toll Roads, Highway, Ferries, Unpaved Roads and/or Tunnels.

### Guidance Settings
Adjust the following settings for navigation guidance:
- **Simulation Voice** - Select On or Off.
- **Volume** - Adjust guidance volume (0% to 100%)
- **Speed Limit** - Select when speed limit shows on the map and when speed warnings are given.
- **Auto Zoom** - Select whether or not the unit zooms in automatically when speeding or at an intersection.
- **Fuel Cost** - Input fuel cost and consumption to estimate fuel costs.
- **Restriction Alerts** - Enable or disable alerts for the following restrictions: Hazmat, Height, Weight, Length, Width and Trucks Prohibited.

### Display Settings
Adjust the following settings for navigation guidance:
- **Map Mode** - Select desired map option: Track Up, North Up or 3D View.
- **Color Mode** - Select desired color mode: Day, Night or Automatic.
- **Label on Map** - Select which of the following labels are displayed on the map: POI Symbols/Names, Favorites Symbols/Names and Street Name.
- **Units** - Select whether distance is shown in Miles or Kilometers.

### Home Setting
Set home location.

### Office Setting
Set office location.

### My Account
View and update account information, including login credentials.

### Map Download
Download maps by region or state, or select ALL to download all maps.

### EULA
View the end-user licensing agreement.

### About
View app information such as version number and map data information.

### Reset
Press to reset app to factory default settings.
Navigation Operation

1. **Home**: Press to toggle between the current mode and navigation.

2. **Mode**: Press to select and display three options for the navigation screen.

3. **Temperature**: Displays weather status icon and temperature for the current location.

4. **Mode Select**: Press MODE to access available input modes: Bluetooth Music, Radio, USB, SiriusXM, iPod. USB device or iPod device must be connected/inserted to appear in the mode selection string.

5. **Mode Display**: Displays the current Mode.

6. **Sound**: Current mode volume and navigation announcement volume level can be adjusted in the navigation item of the Settings menu.
Navigation Operation

**Road Incline**
Displays the absolute height value of the current position. Press to toggle between the absolute height and rear camera screen. Press to set and search for map information and destinations.

**Setting Menu**
Press to set and search for map information and destinations and to simulate a driving route.

1. Search Icon
2. RV POI Search Icon
3. Recent List Icon
4. Setting Icon
5. Favorite Icon
6. Home Icon
Navigation Operation

1. VIP
2. Route Line
3. Destination Pin
4. Map Mode/Compass Status
5. Zoom In
6. Zoom Out
7. Destination Address
8. Total Time/Expected Arrival
9. Routing
Axxera iPlug N™ App Operation

The Axxera iPlug N™ Smart App is the ultimate wireless remote control for your ASC419N receiver. Please download Axxera iPlug N™ app from Apple Appstore or Google Playstore and install it in your smartphone or tablet. You can control the most of the functions of the ASC419N.

Features

This app controls all of the primary functions of your stereo features, including:
- Power on/off
- Volume Up/down and mute on/off
- Media File playback Control
- AM/FM radio tuner: access station, recall, change radio stations and store presets
- Bluetooth® streaming audio
- File ID3tag Display, track selection, track audible scan up via USB
- iPod/iPhone control capabilities via USB
- Audio menu controls
- Auxiliary audio input control

Connecting and using the iPlug N™ app

After downloading and installing the iPlug N app on your device, pair your device to the ASC419N as stated above for Bluetooth paring. When the Axxera iPlug app is installed on an Apple/Android device, close the app before Bluetooth pairing, otherwise there may be errors with the Bluetooth connection.
Steering Wheel Interface (SWI) Operation

Select SWC from the Settings menu to display and set up steering wheel control.

SWC Programming

Before starting, press **RESET** to remove any previous settings.

1. Press the desired button on the steering wheel control.
2. Press the desired function as shown above #1.
3. Repeat this procedure until all steering wheel functions have been programmed.
4. Once complete, press "Home" to save all settings as shown above #2.
### Front 3.5mm Aux Input & Rear RCA A/V Input

| Auxiliary Input | Connect an optional audio source into the 3.5mm (front panel) input.  
| Select auxiliary input 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). |
|---|---|
| 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

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit will not turn on (no power)</td>
<td>Yellow wire not connected or incorrect voltage</td>
<td>Check connections for proper voltage (11~16VDC)</td>
</tr>
<tr>
<td></td>
<td>Red wire not connected or incorrect voltage</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Black wire not connected</td>
<td>Check connection to ground</td>
</tr>
<tr>
<td></td>
<td>Fuse blown</td>
<td>Replace fuse(s)</td>
</tr>
<tr>
<td>Unit has power (but no sound)</td>
<td>Speaker wires not connected</td>
<td>Check connections at speakers</td>
</tr>
<tr>
<td></td>
<td>One or more speaker wires touching each</td>
<td>Insulate all bare speaker wires from each other and</td>
</tr>
<tr>
<td></td>
<td>other or touching chassis ground</td>
<td>chassis ground</td>
</tr>
<tr>
<td>Unit blows fuse(s)</td>
<td>Yellow or red wire touching chassis ground</td>
<td>Check for pinched wire</td>
</tr>
<tr>
<td></td>
<td>Speaker wires touching chassis ground</td>
<td>Check for pinched wire</td>
</tr>
<tr>
<td></td>
<td>Incorrect fuse rating</td>
<td>Use fuses with correct rating</td>
</tr>
<tr>
<td>Unit has audio (but no video)</td>
<td>Parking brake safety circuit not connected</td>
<td>Check connections at parking brake</td>
</tr>
<tr>
<td></td>
<td>Parking brake not applied</td>
<td>Apply parking brake as described on page 26</td>
</tr>
<tr>
<td>No video display (when in reverse)</td>
<td>Reverse circuit not connected</td>
<td>Check connections at reverse lamp</td>
</tr>
<tr>
<td></td>
<td>Vehicle is not in reverse</td>
<td>Select reverse gear</td>
</tr>
<tr>
<td>IR remote does not work</td>
<td>Dead battery</td>
<td>Replace battery</td>
</tr>
</tbody>
</table>

## 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.axxeraaudio.com](http://www.axxeraaudio.com).

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*Note: The document is from Axxera Audio.*
## SiriusXM Troubleshooting

<table>
<thead>
<tr>
<th>SiriusXM Advisory Message</th>
<th>Recommendation</th>
</tr>
</thead>
</table>
| **Check Antenna**         | 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**           | 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**             | 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**  | 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. |
| **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 Parental Control feature and how to access locked channels. |
| **No Content**            | TuneScan is not available. Please allow the tuner some time to buffer new songs to scan. |
| **Invalid Lock Code**     | If "Invalid Lock code" message is displayed on the screen, it will disappear automatically after three seconds, then you can enter the password again. |
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

<table>
<thead>
<tr>
<th></th>
<th>FM Tuner</th>
<th>AM Tuner</th>
<th>Front USB</th>
<th>Monitor</th>
<th>General</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuning range:</strong></td>
<td>87.5MHz-107.9MHz</td>
<td>530kHz-1710kHz</td>
<td><strong>Compatibility:</strong></td>
<td>High Speed USB 2.0</td>
<td><strong>Speaker output impedance:</strong></td>
</tr>
<tr>
<td><strong>Usable sensitivity:</strong></td>
<td>10dBf</td>
<td><strong>24uV</strong></td>
<td><strong>USB Class:</strong></td>
<td>Mass storage class</td>
<td><strong>Line output voltage:</strong></td>
</tr>
<tr>
<td><strong>50dB quieting sensitivity:</strong></td>
<td>20dBf</td>
<td><strong>Frequency response:</strong></td>
<td>30Hz-13kHz</td>
<td><strong>Panel size:</strong></td>
<td>10.1” diagonal measurement</td>
</tr>
<tr>
<td><strong>Stereo separation @ 1kHz:</strong></td>
<td>38dB</td>
<td><strong>Frequency response:</strong></td>
<td>30Hz-2.3kHz</td>
<td><strong>View angle (up/down/left/right):</strong></td>
<td>80/80/80/80</td>
</tr>
<tr>
<td><strong>Frequency response:</strong></td>
<td>30Hz-13kHz</td>
<td><strong>Usable sensitivity:</strong></td>
<td>24uV</td>
<td><strong>Resolution:</strong></td>
<td>1024 (H) x 600 (V)</td>
</tr>
<tr>
<td><strong>Usable sensitivity:</strong></td>
<td>24uV</td>
<td><strong>Frequency response:</strong></td>
<td>30Hz-2.3kHz</td>
<td><strong>Brightness (cd/m²):</strong></td>
<td>600</td>
</tr>
<tr>
<td><strong>Stereo separation @ 1kHz:</strong></td>
<td>38dB</td>
<td><strong>Usable sensitivity:</strong></td>
<td>24uV</td>
<td><strong>Contrast ratio:</strong></td>
<td>600:1</td>
</tr>
<tr>
<td><strong>Frequency response:</strong></td>
<td>30Hz-13kHz</td>
<td><strong>Usable sensitivity:</strong></td>
<td>24uV</td>
<td><strong>Pixels:</strong></td>
<td>1,843,200</td>
</tr>
</tbody>
</table>

Design and specifications subject to change without notice.

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**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]