AV1014BH

INSTALLATION/OWNER’S MANUAL

DVD Multimedia Receiver with Bluetooth
featuring a 10.1" Touch Screen Display

Safety Notes:
The DVD video display of the in-dash unit will not operate while the vehicle is moving. This is a safety feature to prevent driver distraction. In-dash DVD video functions will only operate when vehicle is in Park and the parking brake is engaged. It is illegal in most states for the driver to view video while the vehicle is in motion.
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Other trademarks and trade names are those of their respective owners.
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Upon installation of this Monitor/DVD player ("unit") into a vehicle, the driver of the vehicle must not operate this unit by watching videos or playing video games while driving. Failure to follow this instruction could lead to driver distraction which could result in serious injury or death to the vehicle’s occupants or persons outside the vehicle and/or property damage.

Several states prohibit the installation of monitors/DVD players if the screen is visible from the driver’s seat. If you reside in a jurisdiction which has enacted such a law, this unit must not be installed so that the screen is visible from the driver’s seat. When installing this unit in the front console/dashboard, the unit must be positioned so that it is facing the front passenger seat only. Failure to follow this instruction could lead to driver distraction which could result in serious injury or death to the vehicle’s occupants or persons outside the vehicle and/or property damage.

This unit is designed so that it may be operated only when the vehicle is in “Park” and the parking brake is fully engaged. To this end, this unit includes a parking brake lock-out feature which prohibits the unit from operating if the vehicle is not in “Park” and/or the parking brake is not fully engaged. When installing this unit, the installer must connect the parking brake detect wire to the parking brake mechanism in order to make the parking brake lock-out feature operable. DO NOT simply ground the parking brake detect wire to a metal portion of the vehicle. Failure to properly install the parking brake lock-out feature could lead to driver distraction which could result in serious injury or death to the driver’s occupants or persons outside the vehicle and/or property damage.

Once the parking brake lock-out feature is installed, the owner/user must not attempt to disrupt/neutralize the parking brake lock-out feature by (a) partially engaging the parking brake and/or (b) purchasing/using any device or unit designed to send necessary brake signals to the unit. Failure to follow these instructions could lead to driver distraction which could result in serious injury or death to the driver’s occupants or persons outside the vehicle and/or property damage.

When operating this unit, keep the unit’s volume level low enough so that the vehicle’s occupants can hear traffic-related sounds such as police and emergency vehicles. Failure to follow this instruction could lead to driver distraction which could result in serious injury or death to the vehicle’s occupants or persons outside the vehicle and/or property damage.
Please read all instructions carefully before attempting to install or operate.

Due to its technical nature, it is highly recommended that your AV1014BH 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, and slide the unit out of the mounting sleeve.
• Install mounting sleeve into opening, bending tabs to secure.
• 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).
• Slide unit into mounting sleeve to secure.
Note:
When replacing a fuse, make sure to use the correct type and amperage. Using an incorrect fuse could cause damage.

Wiring Notes:

Subwoofer output
The Subwoofer preamp audio output [blue jacket with black RCA] is active in all audio modes.

Rear camera input
A rear view camera [not included] can be used with the Camera input. Refer to page 27 for details.

Steering wheel interface input
The steering wheel interface feature is built-in and is programmable. Please reference the included Steering Wheel Interface Operation printed insert for programming assistance.

Connecting a device
DualMirror technology allows you to mirror the screen of select Android smartphones as well as iPhone, iPod and iPad devices.
Control Locations

1. Power / Source
2. Volume Down
3. Volume Up
4. Eject
5. SD Card Slot
6. SD Card Icon
7. DualMirror Icon
8. Disc Icon
9. Camera Icon
10. Clock
11. Bluetooth Icon
12. Setup Icon
13. USB Icon
14. Standby
15. Tilt Screen Up/Down
16. Rear Auxiliary Input Icon
17. Front Auxiliary Input Icon
18. Tuner Icon
19. USB Icon
20. AUX Slot
21. Rear Auxiliary Input
22. Front Auxiliary Input
23. Tuner
24. USB Slot
25. AUX Input

Remote Control:
1. Power
2. Eject
3. Mode / Source
4. Open
5. Up
6. Menu
7. Volume Up
8. Mute
9. Select
10. Enter
11. Root / End Call
12. PBC
13. Setup
14. Search
15. Repeat
16. Angle / # Key
17. Audio / # Key
18. On Screen Display
19. Zoom / Talk
20. Escape
21. Stop / Band
22. Volume Down
23. Play / Pause
24. 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

### Installing the Monitor

To install the 10.1” touch screen monitor align the pins on the back of the monitor with the pins on the front of the unit, and press until it clicks in place. To remove, press the release tab (next to the SD card slot) and pull the monitor away from the unit.

### Power On/Off

Momentarily press the **POWER/SOURCE** button to turn the unit on. Hold for 2 seconds to turn the unit off.

### Source

Press **SRC** to step through all available input modes: Tuner, Disc (which includes DVD and CD playback), USB, DualMirror, SD, AV1, AV2 and Camera. Modes of operation are indicated on the OSD On Screen Display. Optional device, USB flash drive and SD card must be connected/inserted to appear in the mode selection string. Modes of operation can also be accessed from the Main Menu screen (see below).

### Volume

Press the **VOL+** and **VOL-** buttons to increase or decrease playback volume.

### 3.5mm A/V Input

Connect external audio/video devices to this 3.5mm auxiliary A/V input.

### Menu

Press the key area in the top left corner of the touchscreen to access the main menu screen. From the main menu, view/select any operational mode (Tuner, Disc, USB, DualMirror, Bluetooth, SD, AV Front, AV Rear or Camera), enter the Setup menu, control the screen angle or put the unit in Standby mode.

### Screen Angle

Press **TILT ▲** or **TILT ▼** to adjust the screen angle up or down.

### Standby

Press the standby icon [to the right of the TILT icon] to put the unit in standby mode. Press any spot on the touch screen to exit standby mode.

### Setting the Clock

To set the clock to the current time, press the time display on the Main Menu, then press the clock icon. Adjust to the desired time, then press the check mark to save your entry.
General Operation

Reset  To resolve abnormal operation or if the unit is inoperable, use the tip of a pen to press the RESET button (located on the front panel to the left of the OPEN button). The unit will reset the main processor to the default settings.

Bass/Middle/Treble  Press EQ to access the Audio menu and adjust the following options: EQ, Loudness, Bass, Treble, Balance, Fader, Subwoofer and Middle.

<table>
<thead>
<tr>
<th>EQ</th>
<th>Select between the preset equalization curves (Pop, Jazz, Classical, Rock and User).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loudness</td>
<td>Select Off or On to deactivate or activate the Loudness feature.</td>
</tr>
<tr>
<td>Bass</td>
<td>Increase or decrease Bass levels.</td>
</tr>
<tr>
<td>Treble</td>
<td>Increase or decrease Treble levels.</td>
</tr>
<tr>
<td>Balance</td>
<td>Adjust Balance levels left to right.</td>
</tr>
<tr>
<td>Fader</td>
<td>Adjust Fader levels front to rear.</td>
</tr>
<tr>
<td>Subwoofer</td>
<td>Increase or decrease Subwoofer levels.</td>
</tr>
<tr>
<td>Middle</td>
<td>Increase or decrease Middle levels.</td>
</tr>
</tbody>
</table>
General Operation

Setup Menu

From the main menu screen or any operational mode (except when viewing video), press the icon in the bottom right corner of the screen to access the Setup menu.

General

- **Language** - Set the unit’s language to English or Spanish.
- **Beep** - Turn the audible beep on or off.
- **Screen Saver** - Turn screen saver functionality on or off.
- **Calibrate** - Press to calibrate the touch panel.

1. Press steering wheel control, and a voltage will appear on the menu (#1).

2. When the input is selected, the features will appear blue. Select desired function for that button (#3).

3. Once you have selected the desired feature, press OK (#6) to save that function to the selected steering wheel control. There will be an indication on Map (#2) showing how many functions have been mapped so far.

4. Once you have mapped all of the steering wheel controls, press the X on the top right to exit.

5. In some cases, the vehicle will have a strong or weak voltages. Under Setup (#7) select 1, 2 or 3 to change the input sensitivity for better compatibility.

6. If the buttons are mapped incorrectly, press Default (#4) or Clear (#5) to start the procedure from the beginning.

- **Default Settings** - Press to restore unit to factory default settings.
- **Radio** - Set the region setting to USA, Europe, China or Russia.
General Operation

Setup Menu

Bluetooth
- **Bluetooth** - Turn Bluetooth signal on or off.
- **Auto Connect** - Select "On" to program the unit to automatically connect to a Bluetooth device. Select "Off" to disable the auto connect feature.
- **Auto Answer** - Select "On" to program the unit to automatically accept incoming calls via Bluetooth. Select "Off" to disable the auto answer feature.

Video
- **Camera Mirror** - Turn the camera mirror function on or off.

ASP
- **Power On Volume** - Select Last Volume to program the unit to turn on at the volume setting selected at the time it was turned off. Select Fixed to program the unit to turn on at a fixed volume setting every time.
- **Fixed Volume** - When Fixed is selected in the Power On Volume menu, select the desired turn-on volume level for the unit.
- **Bass Center Frequency** - 60, 80, 100, 200
- **Bass Q Value** - 1.0, 1.25, 1.5, 2.0
- **Mid Center Frequency** - 500, 1k, 1.5k, 2.5k
- **Mid Q Value** - .5, .75, 1, 1.25
- **Treb Center Frequency** - 10k, 12k, 15k, 17k
- **Loud Center Frequency** - 100, 1k, 10k

Media
- **Parental Control** - Press to set parental controls.
- **Subtitle** - English, Spanish, Auto, Off
- **Audio** - English, Spanish
- **DVD Menu** - English, Spanish.
- **View Mode** - Fill, Original, Auto Fit, Pan Scan

Color
- **User** - Press to manually adjust Brightness, Contrast and Color settings using the controls at the bottom of the screen.
- **Standard** - Press to select standard color settings.
- **Low** - Press to lower the brightness settings.
- **High** - Press to increase the brightness, contrast and color settings.

Display
- **Dim Control** - Press to enable or disable automatic dim control.
- **Day** - When dim control is on, press to select the start time, end time and dim level for daytime use.
- **Night** - When dim control is on, press to select the start time, end time and dim level for nighttime use.
Select the Tuner icon from the Main Menu screen.

Displays current mode of operation. Press to return to the Main Menu screen.

Displays current frequency, along with additional tuning information.

Press to tune radio to a higher frequency. Press and release to tune the unit up one step at a time. Press and hold to tune up quickly.

Press to tune radio to a lower frequency. Momentarily press to tune the unit down one step at a time. Press and hold to tune down quickly.

Press to silence the audio. Press again to return to previously-selected volume levels.

Press to enter the Setup menu (refer to page 11 for details).

Press to enter the Audio Setup menu (refer to page 10 for details).

 Displays the first six preset stations stored in memory. Press and hold any 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. Preset stations can also be accessed by entering the desired number (1-18) with the remote control.
**Local / Distance Tuning**

Press to choose between Local (LOC) or Distance (DX) tuning options. The local option tunes to nearby radio stations with sufficiently strong signals for good reception. In areas where reception is poor, switching to distance tuning enables the unit to tune in to more distant stations. Distance tuning is the default tuning mode.

**Loudness**

Press to activate the Loudness feature. Press again to return to normal playback.

**Automatically Store / Preset Scan**

Press to scan all preset stations and listen to the first 10 seconds of each. Press again to stop scanning and listen to the station. Press to automatically find and store the strongest stations as presets.

**Band**

Press to step select the desired band. Three FM and two AM bands are available.
CD/USB/SD Card Operation

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

- **Disc Playback** - From the Main Menu screen, press TILT UP until the CD slot is exposed. Insert disc into the slot, and playback will begin automatically.
- **USB Playback** - Insert a USB device into the USB slot on the side of the unit.
- **SD Card Playback** - Insert SD card into the SD slot on the top of the unit. When inserting an SD card, the label should face up.

**Current Mode Indicator**
Displays current mode of operation. Press to return to the Main Menu screen.

**Information Display**
Displays current information about audio playback.

**Audio Setup**
Press to enter the Audio Setup menu (refer to page 10 for details).

**Mute**
Press to silence the audio. Press again to return to previously-selected volume levels.

**CD Track List**
Displays the first five tracks on the disc or device. Use the arrow keys (6 & 11) to scroll up and down the entire list.

**Scroll Down**
Press to scroll down to the next page in the playlist.
CD/USB/SD Card Operation

- **Previous Folder**: Press to navigate up to the previous folder.
- **Intro**: Press to play the first 10 seconds of each song in the playlist.
- **Direct Track Access**: Press to display the keyboard for direct track/file access. Enter the desired track/file number on the keyboard, then press enter to begin playback.
- **Random**: Press to play all tracks/files on the disc or device in random order. Press again to cancel random playback.
- **Scroll Up**: Press to scroll up to the previous page in the playlist.
- **Repeat**: Press to repeat current track/file. Press again to cancel the repeat function.
- **Next Track / Fast Forward**: Press to advance to the next track/file. Press and hold to fast forward the current track/file.
- **Previous Track / Fast Reverse**: Press to go back to the previous track/file. Press and hold to fast reverse the current track/file.
- **Stop / Eject**: Press to stop playback. Press and hold to eject the disc.
- **Play / Pause**: Press to pause playback. Press again to resume playback.
- **Elapsed Time Indicator**: Displays the elapsed time and remaining time of the current track/file.
### Media Compatibility - USB/SD Card

<table>
<thead>
<tr>
<th>File System</th>
<th>FAT 12</th>
<th>FAT 16/FAT 32</th>
<th>WMA</th>
<th>MP3</th>
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<td></td>
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<td>.mp3/.MP3/.Mp3/.mP3</td>
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<td>.wma/.WMA</td>
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<td></td>
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<tr>
<td>.rmp/m4a</td>
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<td></td>
<td></td>
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<td>MPEG Format</td>
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<td>MPEG 2</td>
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<td></td>
<td>MPEG 2.5</td>
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<tr>
<td>Sampling Frequency</td>
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<td>32/44.1/48kHz</td>
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<tr>
<td></td>
<td>MPEG 2</td>
<td>X</td>
<td>12/16/22.05/24kHz</td>
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<tr>
<td></td>
<td>MPEG 2.5</td>
<td>X</td>
<td>8/11.025/12kHz</td>
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<tr>
<td></td>
<td>WMA</td>
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<td>32/44.1/48kHz</td>
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<tr>
<td>Bitrate</td>
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<td>32 ~ 320kbps</td>
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<td></td>
<td>MPEG 2</td>
<td>X</td>
<td>8 ~ 160kbps</td>
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</tr>
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<td>MPEG 2.5</td>
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<td></td>
<td>WMA</td>
<td>X</td>
<td>32 ~ 192kbps</td>
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<td>Directory Depth</td>
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<tr>
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<tr>
<td>Total File Number</td>
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<td>File Number via Folder</td>
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<tr>
<td>Other Information</td>
<td>MP3 ID3 TAG</td>
<td>X</td>
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<td></td>
<td>ver1.x</td>
<td></td>
<td>✓</td>
<td></td>
</tr>
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<td></td>
<td>ver2.x</td>
<td></td>
<td>✓</td>
<td></td>
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<tr>
<td></td>
<td>Title, Artist, Album</td>
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<tr>
<td></td>
<td>WMA TAG</td>
<td>✓</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

**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.
- Due to ongoing technological advancement, some USB flash drives and/or SD cards may be incompatible with this unit.
# Media Compatibility - CD/DVD

<table>
<thead>
<tr>
<th>File System</th>
<th>File Type</th>
<th>WMA</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO9660</td>
<td>Level 1, Level 2</td>
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<td>✓</td>
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<td></td>
<td>Level 3</td>
<td>X</td>
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<td>ISO9660 Extension</td>
<td>JOLIET</td>
<td>Playback</td>
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<tr>
<td></td>
<td>Filename</td>
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<tr>
<td>Other Extensions</td>
<td>ROMEO</td>
<td>Playback</td>
<td>X</td>
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<td></td>
<td>Filename</td>
<td>X</td>
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</tr>
<tr>
<td></td>
<td>Apple ISO</td>
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<thead>
<tr>
<th>File Extension</th>
<th>WMA</th>
<th>MP3</th>
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</thead>
<tbody>
<tr>
<td>.mp3/MP3/Mp3/mP3</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>.wma/WMA</td>
<td>✓</td>
<td>X</td>
</tr>
<tr>
<td>.mp/4m4a</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
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<thead>
<tr>
<th>MPEG Format</th>
<th>WMA</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPEG 1</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>MPEG 2</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>MPEG 2.5</td>
<td>X</td>
<td>✓</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sampling Frequency</th>
<th>WMA</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPEG 1</td>
<td>X</td>
<td>32/44.1/48kHz</td>
</tr>
<tr>
<td>MPEG 2</td>
<td>X</td>
<td>12/16/22.05/24kHz</td>
</tr>
<tr>
<td>MPEG 2.5</td>
<td>X</td>
<td>8/11.025/12kHz</td>
</tr>
<tr>
<td>WMA</td>
<td>32/44.1/48kHz</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bitrate</th>
<th>WMA</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPEG 1</td>
<td>X</td>
<td>32 ~ 320kbps</td>
</tr>
<tr>
<td>MPEG 2</td>
<td>X</td>
<td>8 ~ 160kbps</td>
</tr>
<tr>
<td>MPEG 2.5</td>
<td>X</td>
<td>8 ~ 160kbps</td>
</tr>
<tr>
<td>WMA</td>
<td>32 ~ 192kbps</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Information</th>
<th>WMA</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directory Depth</td>
<td>Unlimited</td>
<td>Unlimited</td>
</tr>
<tr>
<td>File Name Length</td>
<td>32 bytes</td>
<td>32 bytes</td>
</tr>
<tr>
<td>Total File Number</td>
<td>2000 files</td>
<td>2000 files</td>
</tr>
<tr>
<td>Total Folder Number</td>
<td>200 folders</td>
<td>200 folders</td>
</tr>
<tr>
<td>File Number via Folder</td>
<td>2000 files</td>
<td>2000 files</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MP3 ID3 TAG</th>
<th>WMA</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ver.1.x</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>ver.2.x</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Title, Artist, Album</td>
<td>X</td>
<td>✓</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WMA TAG</th>
<th>WMA</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title, Artist</td>
<td>✓</td>
<td>X</td>
</tr>
</tbody>
</table>

**Notes:**
- 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 discs are compatible:
• CD-DA, CD-ROM (ISO), CD-R, CD-RW
• DVD Video, DVD+R/RW, DVD-R/RW

The following types of discs/files are not compatible:
• WMA files that are protected by DRM (Digital Rights Management)
• WMA lossless format
• Discs recorded with Track At Once or packet writing
• MP3 PRO format, MP3 playlists
• RMP format
• WAV format
• WMV format
• AAC, protected AAC, M4A format

The following types of discs/files are compatible:
• AVI - Max video resolution: 720x480, Max video bit rate: 5000 kbps
• Mpeg2: Max video resolution: 720x480, Max video bit rate: 5000 kbps
• Mpeg4: Max video resolution: 720x480, Max video bit rate: 5000 kbps
• DivX/Xvid: Max video resolution: 720x480, Max video bit rate: 5000 kbps
• SD/USB format type: FAT32/FAT

Some recordable DVD's and CD's may be incompatible with this unit, depending on media type and recording method.

Playback Order
MP3/WMA playback sequence begins in the root folder of the disc, USB flash drive or SD card. Any empty folders or folders that do not include MP3/WMA/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.
• This device can play back discs in Joliet and other standards that conform to ISO9660. MP3/WMA written in the formats other than the above may not play and/or their file names or folder names may not be displayed properly.

Additional MP3/WMA Information
An internal buffer provides ESP (Electronic Skip Protection) to virtually eliminate skipping.

When playing a disc recorded with regular audio files [CD-DA or .WAV] and MP3/WMA files, the unit will play the MP3/WMA files only.

Notes
Some files may not play or be displayed correctly, 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

For best results, use the following settings when ripping WMA files:
64kbps or higher constant bit rate
44.1kHz or higher sampling frequency
**DVD Operation**

**Inserting a Disc**
From the main menu screen, press TILT UP until the CD slot is exposed. Insert disc into the slot, and playback will begin automatically. Sub-menus may have to be pressed to access the DVD content. Read the directions of your specific DVD disc for other features.

**Ejecting the Disc**
Press ▲ to eject the disc.

**Touchscreen Controls**
In DVD mode, six hidden touchscreen controls enable various functions during playback. A DVD disc must be inserted to access these functions and features.

- **Area A** - Displays Main Menu.
- **Area B** - Displays the Video Search screen, enabling the user to search for a specific spot on the disc by title, chapter or time.
- **Area C** - Selects previous chapter.
- **Area D** - Displays the DVD transport controls.
- **Area E** - Selects next chapter.
- **Area F** - Fast forward at 2x, 4x, 8x or 16x speeds.
- **Area G** - Play/pause DVD playback.
- **Area H** - Fast reverse at 2x, 4x, 8x or 16x speeds.

**Note:** During DVD playback, use the on-screen DVD transport controls to perform additional functions.
**DVD Operation**

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Standby</td>
</tr>
<tr>
<td>2</td>
<td>Setup</td>
</tr>
<tr>
<td>3</td>
<td>Info</td>
</tr>
<tr>
<td>4</td>
<td>Audio Setup</td>
</tr>
<tr>
<td>5</td>
<td>Direct Access</td>
</tr>
<tr>
<td>6</td>
<td>Additional options</td>
</tr>
<tr>
<td>7</td>
<td>Zoom</td>
</tr>
<tr>
<td>8</td>
<td>Fast Forward</td>
</tr>
<tr>
<td>9</td>
<td>Fast Reverse</td>
</tr>
<tr>
<td>10</td>
<td>Next Chapter</td>
</tr>
<tr>
<td>11</td>
<td>Previous Chapter</td>
</tr>
<tr>
<td>12</td>
<td>Stop / Eject</td>
</tr>
<tr>
<td>13</td>
<td>Color Setting</td>
</tr>
</tbody>
</table>
DVD Operation

- **Play / Pause**: Press to pause playback. Press again to resume playback.
- **Screen Angle Down**: Press to tilt the screen angle down.
- **Volume Down**: Press to decrease playback volume.
- **Volume Up**: Press to increase playback volume.
- **Screen Angle Up**: Press to tilt the screen angle up.
- **Main Menu Access**: Press to return to the Main Menu.
- **Angle**: Press to select a different scene angle for DVD playback.
- **Title**: Press to access the DVD title menu.
- **Root**: Press to display the root menu of the disc.
- **Subtitle**: Press to display the subtitle options for discs with this capability.
- **Audio**: Press to activate alternate audio modes on DVD’s that have alternate audio streams.
- **A-B**: Press to repeat playback from time frame A to time frame B.
**DualMirror™ Operation**

The DualMirror™ technology allows you to mirror the screen of select Android smartphones as well as iPhone, iPod and iPad devices onto the receiver's screen and to charge your mobile device through the rear USB port.

Simply plug in your device to the rear HDMI and USB inputs, and you are ready to view your favorite navigation or music apps directly on the receiver’s screen.

**Note:** The rear USB port is only for charging (not for playback).

**Connecting an Android device**

Sold separately: SL Cable (SL55A, SL113A, SL115A)
Connecting an iPhone, iPod or iPad device

The DualMirror™ technology requires the following cables which are sold separately.

<table>
<thead>
<tr>
<th>Cable Number</th>
<th>Devices</th>
<th>Product Description</th>
<th>Wire Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL55A</td>
<td>For Android devices</td>
<td>5-pin microUSB connector to HDMI + USB</td>
<td>5ft</td>
</tr>
<tr>
<td>SL113A</td>
<td>For Android devices</td>
<td>11-pin microUSB connector to HDMI + USB</td>
<td>3ft</td>
</tr>
<tr>
<td>SL115A</td>
<td>For Android devices</td>
<td>11-pin microUSB connector to HDMI + USB</td>
<td>5ft</td>
</tr>
<tr>
<td>DL5i</td>
<td>For iOS devices</td>
<td>HDMI cable &amp; USB cable</td>
<td>5ft</td>
</tr>
</tbody>
</table>
Bluetooth Operation

From the Main Menu screen, press **Settings** to enter the Settings menu. Press **Bluetooth** to enter Bluetooth Menu setup.

<table>
<thead>
<tr>
<th>Menu</th>
<th>Option</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setup</td>
<td>Bluetooth</td>
<td>Select <strong>ON</strong> or <strong>OFF</strong> to enable or disable Bluetooth functionality.</td>
</tr>
<tr>
<td></td>
<td>Auto Connect</td>
<td>Select <strong>ON</strong> or to program the unit to automatically pair with available Bluetooth devices. Select <strong>OFF</strong> to require manual pairing.</td>
</tr>
<tr>
<td></td>
<td>Auto Answer</td>
<td>Select <strong>ON</strong> or to program the unit to automatically answer incoming calls. Select <strong>OFF</strong> to answer calls manually.</td>
</tr>
</tbody>
</table>

**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 AV1014BH 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 "Dual BT"*

**Note:** The AV1014BH can be in any mode of operation when pairing is performed.

**Disconnecting a Device**

To disconnect a device, enter the Bluetooth setup menu and select Device List. Use the desired up and down arrows to scroll through the list of devices. Press desired device name, then press "Disconnect" to connect the device.

**Deleting a Paired Device**

To permanently delete a device, enter the Bluetooth setup menu and select Device List. Use the desired up and down arrows to scroll through the list of devices. Press desired device name, then press "Delete" to connect the device.
Bluetooth Operation

1. Bluetooth Operation
   - Connect a Bluetooth device to the AV1014BH.

2. Current Mode Indicator
   - Displays current mode of operation. Press to return to the Main Menu screen.

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

4. Bluetooth Indicator
   - When Bluetooth is on and a Bluetooth device is being paired, the Bluetooth indicator will flash. When Bluetooth is on and a phone is connected to the unit, the indicator will illuminate steady.

5. Clock Indicator
   - Displays the current time.

6. Connect Call
   - After entering a phone number, press to connect the call. Pressing this button without entering a phone number will automatically connect to the last number dialed.

7. End Call
   - Press to end a phone call.

8. Transfer Audio
   - Press to transfer call audio to the phone. Press again to transfer call audio back to the unit.

9. Pairing On/Off
   - Press to quickly connect to a previously-paired device.

10. Recent Call List
    - Press to access the recent call lists: Received Calls, Missed Calls, Dialed Calls, Stored by SIM and Stored by Phone.

11. Display Key Pad
    - Press to return to keypad during A2DP playback of streaming audio.

12. A2DP
    - Press to access A2DP streaming audio.
Auxiliary Inputs - AV1 & AV2

Using AV1 Input
Connect an optional audio/video source into the 3.5mm (front panel) input.
Select AV1 from the Main Menu to listen to audio.
Engage parking brake to watch video.
Adjust volume on the external audio source as needed (if connected to the headphone output of the device).

Using AV2 Input
Connect an optional audio/video source to the Auxiliary Input 2 (Red/White/Yellow RCA connectors). Refer to page 6 for details.
Select AV2 from the Main Menu to listen to audio.
Engage parking brake to watch video.

Note: The external video output is not active when using the AV1/AV2 inputs or when viewing video from an iPod device.

Rear Camera Operation - (Optional)

Using Rear Camera
Connect an optional rear camera to the Camera Input (Black RCA connector). Refer to page 6 for details.
The camera image can be reversed (if needed) in the Main Setup Menu. Refer to page 12 for details.
Manual selection - Touch CAMERA icon from the Main Menu to select camera mode. Touch the top left area on the screen to exit camera mode.

Auto Selection
The unit will automatically select camera mode when connected to the reverse lamp circuitry. Refer to page 6 for details.

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

| Disc | Frequency response: 20Hz-20kHz  
Channel separation @ 1kHz: >50dB  
D/A converter: 24 Bit |
|---|---|
| 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 |
| Rear USB (charging only) | Output: 5VDC, 1A |
| SD | Compatibility: SD memory card & SDHC memory card |
| 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/m²): 250  
Contrast ratio: 450:1  
Pixels: 1,152,000 |
| General | Speaker output impedance: 4 ohms  
Line output voltage: 2 volts  
Line output impedance: 200 ohms  
Chassis dimensions: 7" x 7" x 2" (W x D x H) |

Design and specifications subject to change without notice.

---

**CEA-2006 Power Standard Specifications**  
(reference: 14.4VDC +/- 0.2V, 20Hz~20kHz)  

- **Power Output:** 18 Watts RMS x 4 channels at 4 ohms and ≤ 1% THD+N  
- **Signal to Noise Ratio:** 80dBA (reference: 1 watt into 4 ohms)
## 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 other or touching chassis ground</td>
<td>Insulate all bare speaker wires from each other and 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>DVD does not start playback</td>
<td>Physical defect in media</td>
<td>Check media for scratches</td>
</tr>
<tr>
<td></td>
<td>Wrong region</td>
<td>Use discs labeled &quot;Region 1&quot; or &quot;All&quot; only</td>
</tr>
<tr>
<td>IR remote does not work</td>
<td>Dead battery</td>
<td>Replace battery</td>
</tr>
<tr>
<td>Excessive skipping</td>
<td>Unit is not mounted correctly</td>
<td>Check mounting sleeve</td>
</tr>
<tr>
<td></td>
<td>Physical defect in media</td>
<td>Check media for scratches</td>
</tr>
<tr>
<td>Disc Region Incorrect appears on display</td>
<td>Region code error</td>
<td>Use discs labeled &quot;Region 1&quot; or &quot;All&quot; only</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.

<table>
<thead>
<tr>
<th>Dealer Name</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Phone</td>
<td></td>
</tr>
<tr>
<td>Purchase Date</td>
<td></td>
</tr>
</tbody>
</table>

### Register Your Product

Register your product online at [www.axxeraaudio.com](http://www.axxeraaudio.com).