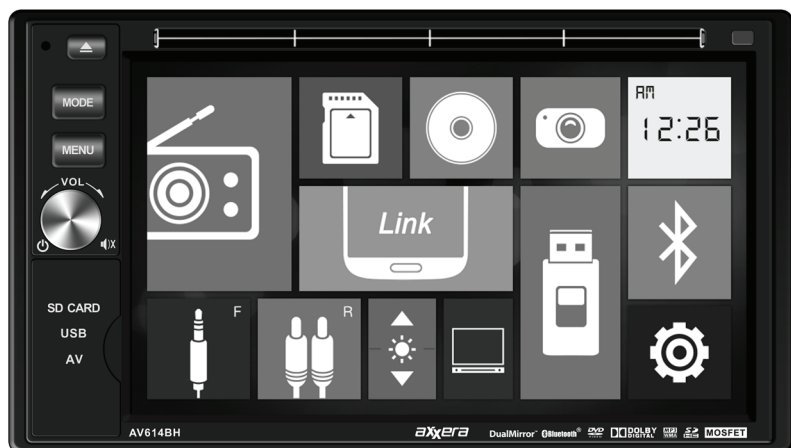




AV614BH

INSTALLATION/OWNER'S MANUAL

**DVD Multimedia Receiver with Bluetooth
featuring a 6.2" Touch Screen Display**



DualMirror™



axxera™

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.

Copyright Notes

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Manufactured under license from Dolby Laboratories.

Dolby and the double-D symbol are registered trademarks of Dolby Laboratories.

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

"Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Namsung is under license.

SD Logo is a trademark of SD-3C, LLC.

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

Table of Contents

	Page
Warning Statement	3
Safety Information/Precautions	4
Preparation/Mounting	5
Wiring Diagram	6
Control Locations.	7
Remote Preparation	8
General Operation	9-12
AM/FM Tuner Operation	13-14
CD Operation	15-16
MP3/WMA/JPG Operation	17-23
DVD Operation	24-28
Dual Mirror	29-32
Bluetooth Operation	33-36
Auxiliary Inputs/Rear Camera Operation.	37
Warranty	38
Specifications	39
Troubleshooting	40

WARNING

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 ("Yellow-Blue Lead") 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.

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 AV614BH 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.

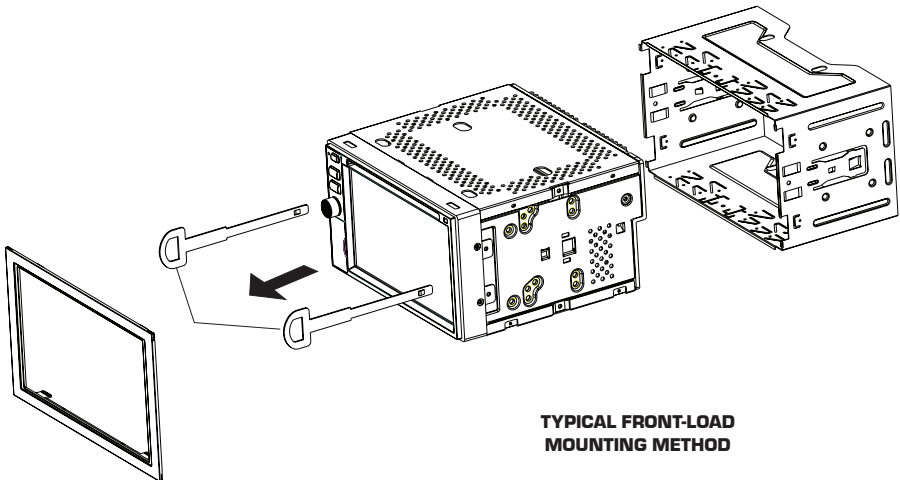
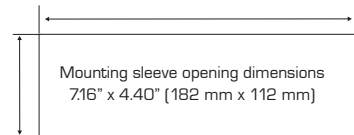
Preparation

Before You Start

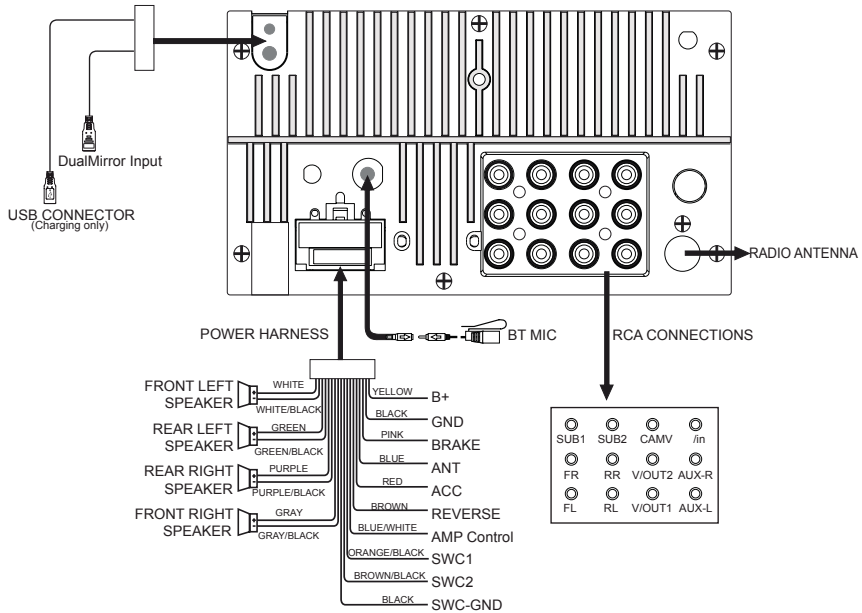
- Disconnect negative battery terminal. Consult a qualified technician for instructions.
- Avoid installing the unit where it would be subject to high temperatures, such as from direct sunlight, or where it would be subject to dust, dirt or excessive vibration.

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.



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) 15 amp ATM mini style fuse located inside the in-line filter box.

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 29 for details.

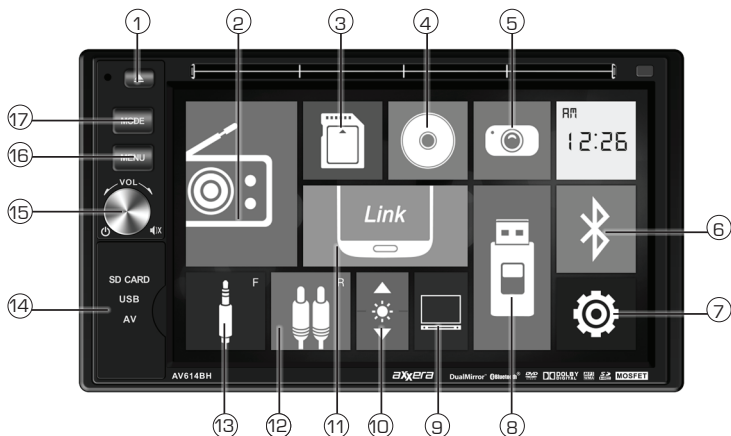
Steering wheel interface input

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

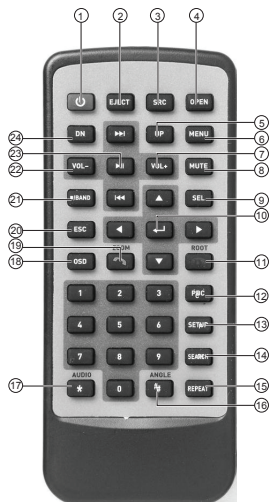
Connecting a device

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

Control Locations



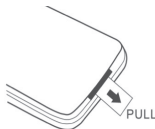
- | | | | |
|----------------|------------------|------------------------|--------|
| ① Eject | ⑥ Bluetooth Icon | ⑪ DualMirror Icon | ⑬ Menu |
| ② Tuner Icon | ⑦ Settings | ⑫ Rear Auxiliary Icon | ⑭ Mode |
| ③ SD Card Icon | ⑧ Disc Icon | ⑬ Front Auxiliary Icon | |
| ④ Disc Icon | ⑨ Standby | ⑭ SD/USB/AV Input | |
| ⑤ Camera Icon | ⑩ Brightness | ⑮ Power/Volume/Mute | |



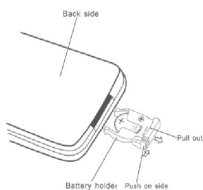
- | | |
|-------------------|---------------------|
| ① Power | ⑬ Setup |
| ② Eject | ⑭ Search |
| ③ Mode / Source | ⑮ Repeat |
| ④ Open | ⑯ Angle / # Key |
| ⑤ Up | ⑰ Audio / * Key |
| ⑥ Menu | ⑱ On Screen Display |
| ⑦ Volume Up | ⑲ Zoom / Talk |
| ⑧ Mute | ⑳ Escape |
| ⑨ Select | ㉑ Stop / Band |
|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

Remote Control Preparation

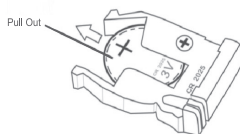
Remove battery insulation tape .



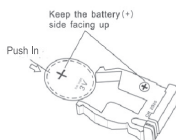
To insert or replace the battery, remove the battery holder.



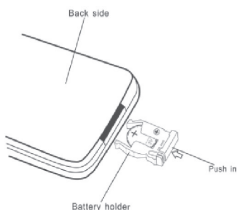
Remove the battery from the battery holder.



**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 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 **SOURCE** 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

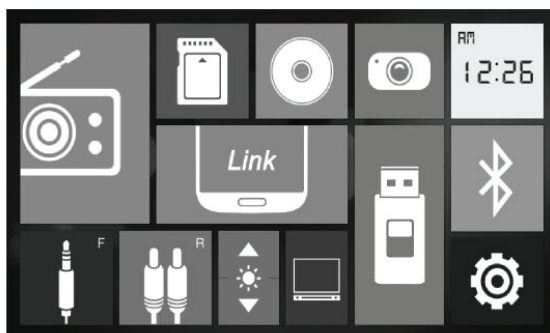
Press the **VOL+** and **VOL-** buttons to increase or decrease playback volume.

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 or put the unit in Standby mode.



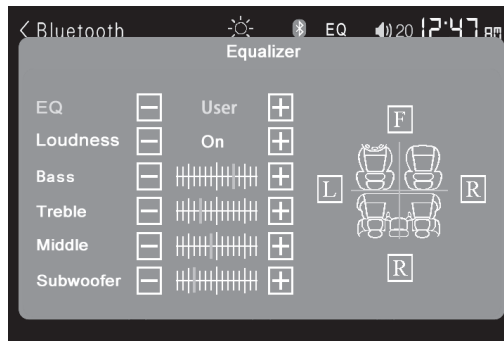
Standby

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.

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** in the bottom right corner of the screen to access the Audio menu and adjust the following options: EQ, Loudness, Bass, Treble, Balance and Fader.



EQ Select between the preset equalization curves (Pop, Jazz, Classical, Rock and User).

Loudness Select **Off** or **On** to deactivate or activate the Loudness feature.

Bass Increase or decrease Bass levels.

Treble Increase or decrease Treble levels.

Balance Adjust Balance levels left to right.

Fader Adjust Fader levels front to rear.

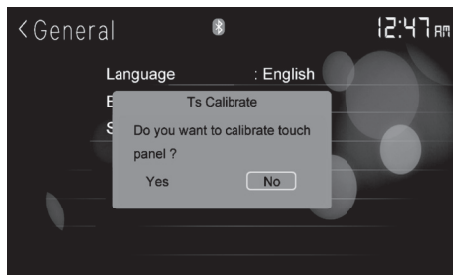
Subwoofer Increase or decrease Subwoofer levels.

Middle Increase or decrease Middle levels.

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**.
- **SWI Settings** - Press **to select SWI settings**.



- 1) Displays current voltage of corresponding steering wheel key.
- 2) Displays number of keys that have been mapped.
- 3) Displays keys frequently used with steering wheel controls.
- 4) Press to restore default settings.
- 5) Press to clear a previous setting.
- 6) Press to confirm setting.
- 7) Select setting based on vehicle type.

To program steering wheel controls, press the desired key, press okay and complete the learning process for this key.

- **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.

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.

AM/FM Tuner Operation



Tuner Operation

Select the Tuner icon from the Main Menu screen.

Current Mode Indicator

①

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

Information Display

②

Displays current frequency, along with additional tuning information.

Tune Frequency Up

③

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.

Tune Frequency Down

④

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.

Mute

⑤

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

Setup

⑥

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

Audio Setup

⑦

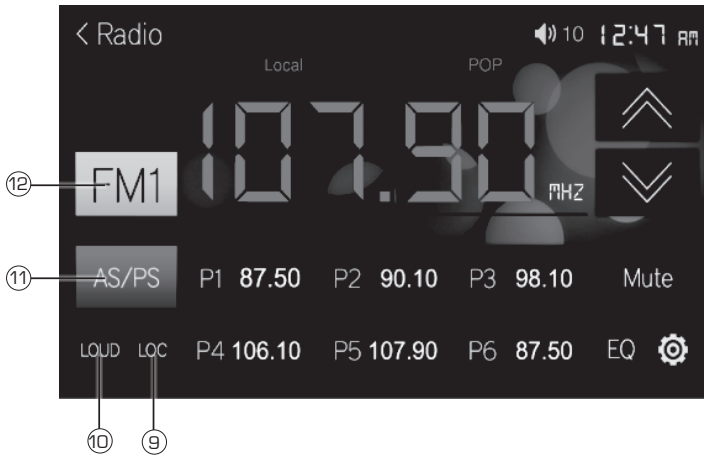
Press to enter the Audio Setup menu (refer to page 10 for details).

Preset Station Display

⑧

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.

AM/FM Tuner Operation



Local / Distance Tuning

(9)

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

(10)

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

Automatically Store / Preset Scan

(11)

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

(12)

Press to step select the desired band. Three FM and two AM bands are available.

CD/USB/SD Card Operation



CD/MP3/WMA or JPG 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 ①

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

Information Display ②

Displays current information about audio playback.

Audio Setup ③

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

Mute ④

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

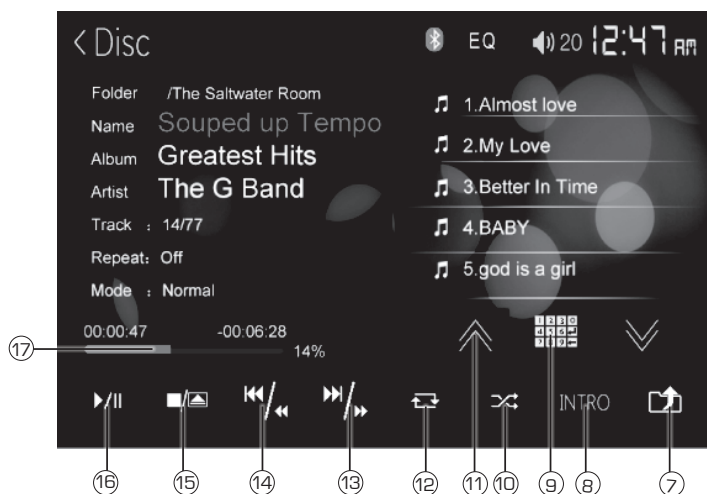
CD Track List ⑤

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 ⑥

Press to scroll down to the next page in the playlist.

CD/USB/SD Card Operation



Previous Folder (7)

Press to navigate up to the previous folder.

Intro (8)

Press to play the first 10 seconds of each song in the playlist.

Direct Track Access (9)

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 (10)

Press to play all tracks/files on the disc or device in random order. Press again to cancel random playback.

Scroll Up (11)

Press to scroll up to the previous page in the playlist.

Repeat (12)

Press to repeat current track/file. Press again to cancel the repeat function.

**Next Track /
Fast Forward** (13)

Press to advance to the next track/file. Press and hold to fast forward the current track/file.

**Previous Track /
Fast Reverse** (14)

Press to go back to the previous track/file. Press and hold to fast reverse the current track/file.

Stop / Eject (15)

Press to stop playback. Press and hold to eject the disc.

Play / Pause (16)

Press to pause playback. Press again to resume playback.

Elapsed Time Indicator (17)

Media Compatibility - USB/SD Card

File Type			WMA	MP3
File System	FAT	FAT 12	X	X
		FAT 16/FAT 32	✓	✓
File Extension	.mp3/.MP3/.Mp3/.mP3		X	✓
	.wma/WMA		✓	X
	.mp/.m4a		X	X
MPEG Format	MPEG 1		X	✓
	MPEG 2		X	✓
	MPEG 2.5		X	✓
Sampling Frequency	MPEG 1		X	32/44.1/48kHz
	MPEG 2		X	12/16/22.05/24kHz
	MPEG 2.5		X	8/11.025/12kHz
	WMA		32/44.1/48kHz	X
Bitrate	MPEG 1		X	32 ~ 320kbps
	MPEG 2		X	8 ~ 160kbps
	MPEG 2.5		X	8 ~ 160kbps
	WMA		32 ~ 192kbps	X
	WMA		32 ~ 192kbps	X
Other Information	Directory Depth		Unlimited	Unlimited
	File Name Length		32 bytes	32 bytes
	Total File Number		2000 files	2000 files
	Total Folder Number		200 folders	200 folders
	File Number via Folder		2000 files	2000 files
	MP3 ID3 TAG	ver:1.x	X	✓
		ver:2.x	X	✓
		Title, Artist, Album	X	✓
	WMA TAG	Title, Artist	✓	X

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

File Type				WMA	MP3
File System	ISO9660	Level 1, Level 2		✓	✓
		Level 3		X	X
	ISO9660 Extension	JOLIET	Playback	✓	✓
			Filename	32 bytes	32 bytes
	Other Extensions	ROMEO	Playback	X	X
			Filename	X	X
		Apple ISO		X	X
File Extension	.mp3/.MP3/.Mp3/.mP3			X	✓
	.wma/.WMA			✓	X
	.rmp/.m4a			X	X
MPEG Format	MPEG 1			X	✓
	MPEG 2			X	✓
	MPEG 2.5			X	✓
Sampling Frequency	MPEG 1			X	32/44.1/48kHz
	MPEG 2			X	12/16/22.05/24kHz
	MPEG 2.5			X	8/11.025/12kHz
	WMA			32/44.1/48kHz	X
Bitrate	MPEG 1			X	32 ~ 320kbps
	MPEG 2			X	8 ~ 160kbps
	MPEG 2.5			X	8 ~ 160kbps
	WMA			32 ~ 192kbps	X
Other Information	Directory Depth			Unlimited	Unlimited
	File Name Length			32 bytes	32 bytes
	Total File Number			2000 files	2000 files
	Total Folder Number			200 folders	200 folders
	File Number via Folder			2000 files	2000 files
	MP3 ID3 TAG	ver:1.x		X	✓
		ver:2.x		X	✓
		Title, Artist, Album		X	✓
	WMA TAG	Title, Artist		✓	X

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

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 • DivX, Xvid format • AVI format • MPG, MPEG-4 format • AAC, protected AAC, M4A format 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

⚠ WARNING ⚠

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 ("Pink Lead") 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.

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:

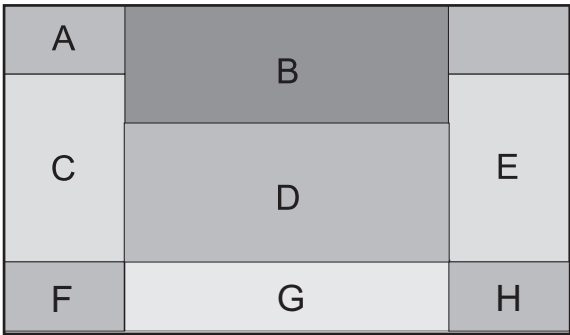
Area D - Displays the **DVD** transport controls.

Area E - Selects next chapter:

Area F - Fast forward at 2x, 4x, 8x or 16x speeds.

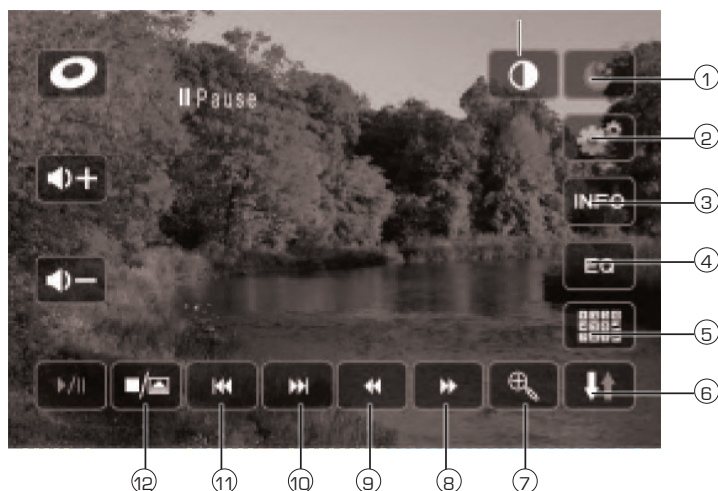
Area G - Play/pause DVD playback.

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 as outlined on page 22.

DVD Operation



DVD Transport Controls DVD transport controls enable control of disc functions during video playback.

Standby ① 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.

Setup ② Press to enter the Setup menu (refer to page 11 for details).

Info ③ Press to display information about current disc and playback information.

Audio Setup ④ Press to enter the Audio Setup menu (refer to page 10 for details).

Direct Access ⑤ Press to display the keyboard and search for a specific spot on the disc by title, chapter or time.

Additional options ⑥ Press to display additional DVD transport controls.

Zoom ⑦ Press to access the following zoom options: 1x, 2x, 3x or off.

Fast Forward ⑧ Press to fast forward disc play at 2x, 4x, 8x or 16x regular speed.

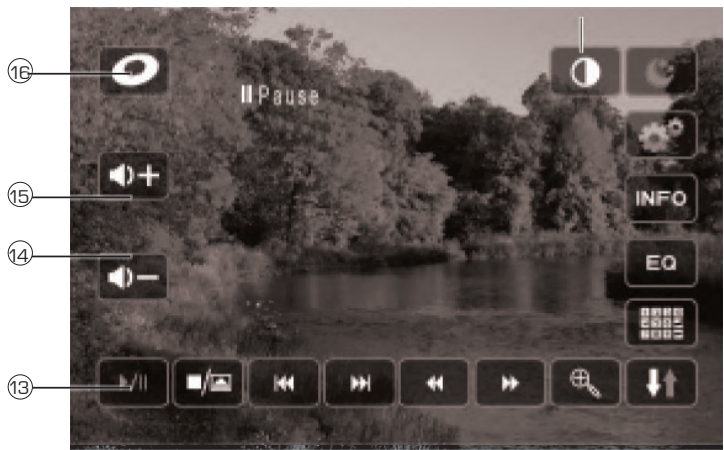
Fast Reverse ⑨ Press to fast reverse disc play at 2x, 4x, 8x or 16x regular speed.

Next Chapter ⑩ Press to advance to the next chapter on the disc.

Previous Chapter ⑪ Press to go back to the previous chapter on the disc.

Stop / Eject ⑫ Press momentarily to stop disc playback; playback will resume from the last spot. Press again to completely stop disc playback; playback will begin from the beginning of the disc. Alternately, press and hold to eject disc.

DVD Operation



Play / Pause ⑬ 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.

Volume Up ⑭ Press to increase playback volume.

Volume Down ⑮ Press to decrease playback volume.

Main Menu Access ⑯ Press to return to the Main Menu.

DVD Operation



Additional Options

Pressing the Additional Options icon as described on page 22 will display an additional row of DVD transport controls.

Angle (19) Press to adjust the viewing angle.

Title (20) Press to show the title of the inserted DVD.

Root (21) Press to display the root menu of the disc.

Subtitle (22) Press to display the subtitle options for discs with this capability.

Audio (23) Press to adjust audio settings.

A-B (24) Press to repeat from point A to point B.

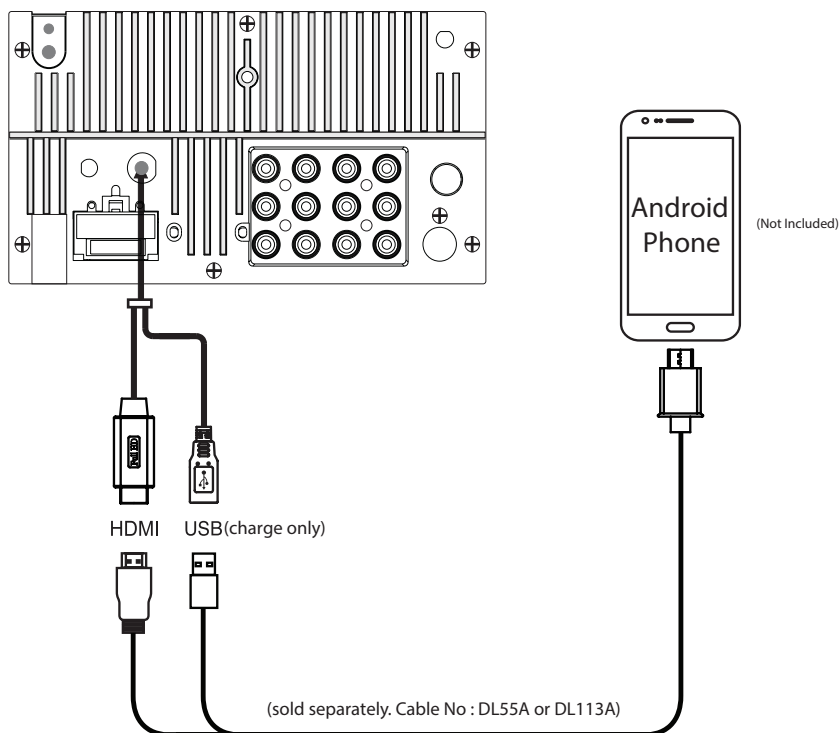
Repeat Play (25) Press to step through the following repeat options: repeat title, repeat chapter, repeat disc or repeat off.

DualMirror™ Operation

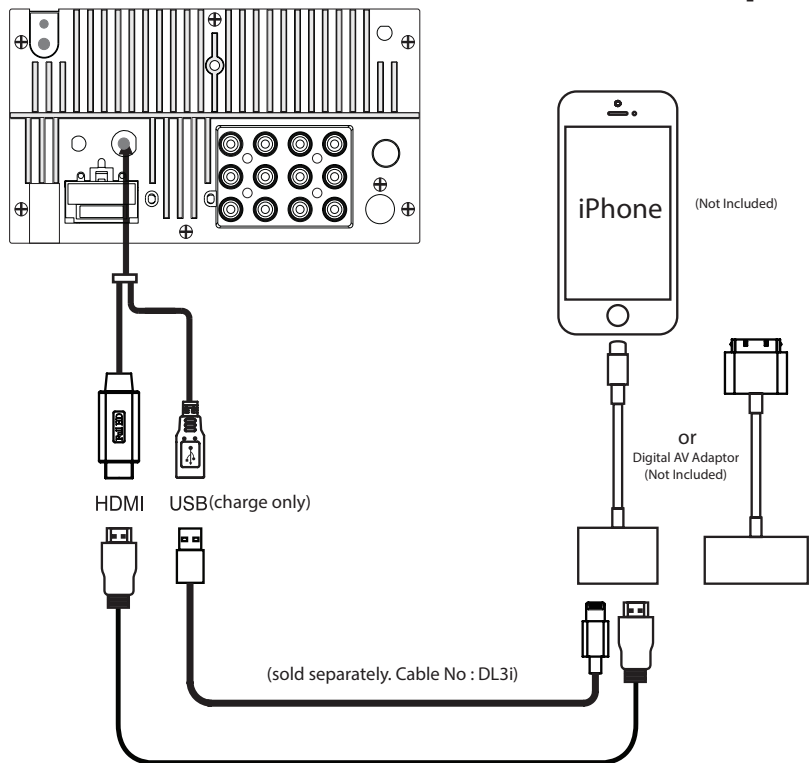
The DualMirror™ technology allows you to mirror the screen of select Android smartphones as well as iPhone, iPod and iPad devices onto the receiver's screen and to charge your mobile device through the rear USB port.

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].



DualMirror™ Operation



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

Cable Number	Devices	Product Description	Wire Length
DL55A	For Android devices	5-pin mircoUSB connector to HDMI + USB	5ft
DL113A	For Android devices	11-pin mircoUSB connector to HDMI + USB	3ft
DL115A	For Android devices	11-pin mircoUSB connector to HDMI + USB	5ft
DL5i	For iOS devices	HDMI cable & USB cable	5ft

Bluetooth Operation

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

Menu	Option	Action
Setup	Bluetooth	Select ON or OFF to enable or disable Bluetooth functionality.
	Auto Connect	Select ON or to program the unit to automatically pair with available Bluetooth devices. Select OFF to require manual pairing.
	Auto Answer	Select ON or to program the unit to automatically answer incoming calls. Select OFF to answer calls manually.

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 AV614BH 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"
The Bluetooth passcode "1234" (Is there a password? It didn't ask me for one)

Note: The AV614BH can be in any mode of operation when pairing is performed.

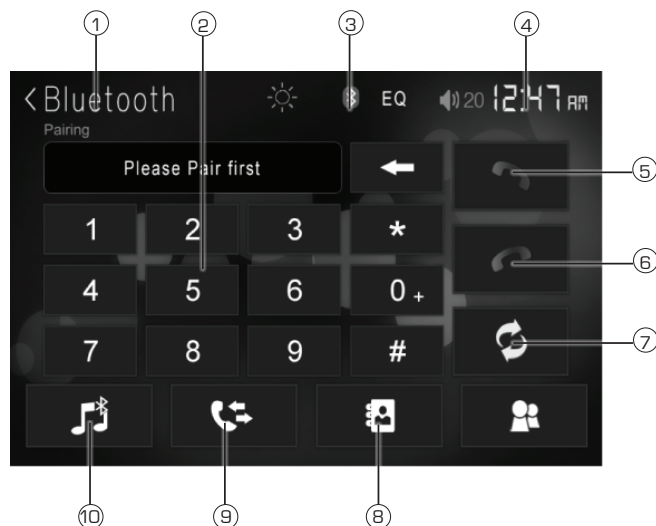
Connecting a Paired Device Most Bluetooth devices support the auto-connect feature and will connect automatically if the device is in range when the AV614BH is powered-on.

If your device was previously paired but does not connect, 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 "Connect" to connect the device.

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



Bluetooth Operation

Connect a Bluetooth device to the AV614BH.

Current Mode Indicator ①

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

Phone Keypad ②

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

Bluetooth Indicator ③

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.

Clock Indicator ④

Displays the current time.

Connect Call ⑤

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.

End Call ⑥

Press to end a phone call.

Transfer Audio ⑦

Press to transfer call audio to the phone. Press again to transfer call audio back to the unit.

Recent Call List ⑧

Press to access the recent call lists: Received Calls, Missed Calls, Dialed Calls, Stored by SIM and Stored by Phone.

Display Key Pad ⑨

Press to return to keypad during A2DP playback of streaming audio.

A2DP ⑩

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 as described on page 26 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 as described on page 22 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)



Rear View Camera Operation

The unit will automatically select camera mode when the reverse gear is selected.

To enable camera mode at any other time, press and hold **MODE** on the faceplate for more than two seconds.

Press and hold **MODE** for more than two seconds to go back to the previous mode.

Note: Before using, make sure that the camera power wire is connected to the power antenna (blue) of the receiver.

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

Disc	Frequency response: 20Hz-20kHz Channel separation @ 1kHz: >80dB 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
USB	Compatibility: High Speed USB 2.0 Output: 5VDC, 500mA USB Class: Mass storage class
SD	Compatibility: SD memory card & SDHC memory card
Monitor	Panel size: 6.2" 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: 500:1 Pixels: 1,152,000
General	Speaker output impedance: 4 ohms Line output voltage: 2 volts Line output impedance: 200 ohms

Design and specifications subject to change without notice.



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

Power Output: 16 Watts RMS x 4 channels at 4 ohms and $\leq 1\%$ THD+N
Signal to Noise Ratio: 80dBA [reference: 1 watt into 4 ohms]

Troubleshooting

General		
Problem	Cause	Action
Unit will not turn on (no power)	Yellow wire not connected or incorrect voltage	Check connections for proper voltage (11 ~ 16VDC)
	Red wire not connected or incorrect voltage	
	Black wire not connected	Check connection to ground
Unit has power (but no sound)	Fuse blown	Replace fuse(s)
	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
DVD does not start playback	Physical defect in media	Check media for scratches
	Wrong region	Use discs labeled "Region 1" or "All" only
IR remote does not work	Dead battery	Replace battery
Excessive skipping	Unit is not mounted correctly	Check mounting sleeve
	Physical defect in media	Check media for scratches
Disc Region Incorrect appears on display	Region code error	Use discs labeled "Region 1" or "All" only

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.



Dual Electronics Corp.
Toll Free: 1-866-382-5476
Monday-Friday, 9AM-5PM EST

www.axxeraaudio.com
©2015 Dual Electronics Corp. All rights reserved.
NSA0115-V01
Printed in China