



AXV150BT

INSTALLATION/OWNER'S MANUAL

DVD Multimedia Receiver with Bluetooth®



axxera™

Safety Note:

The DVD video display of the in-dash unit will not operate while the vehicle is moving.

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.

DVD logo is a trademark of DVD Format/Licensing Corporation registered in the U.S., Japan and other countries.

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

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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 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.

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Safety Information

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

Due to its technical nature, it is highly recommended that your DUAL AXV150BT 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 DUAL dealer.
- If the unit malfunctions, reset the unit as described on page 10 first. If the problem still persists, consult your nearest DUAL 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 (AVG 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.

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Preparation

Before You Start

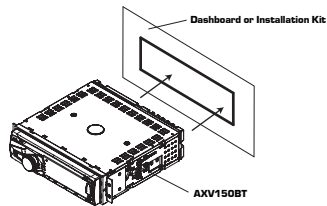
- Consult a qualified technician for instructions. Dual always recommends professional installation.
- Remove 2 transit screws located on top of the unit (if applicable).

Installation Process

1. Connect wiring harness. Consult a qualified technician if you are unsure.
2. Mount the head unit using brackets.
3. Connect wiring harness and antenna. Test the head unit for correct operation.
4. Screw the left and right mounting brackets into head unit and fix the head unit into the RV cabinet.
5. Put the trim ring on the head unit.

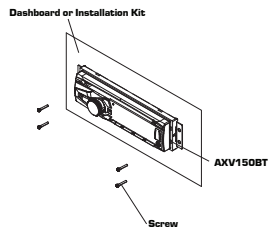
Step 1:

Install the AXV150BT into the RV Cabinet



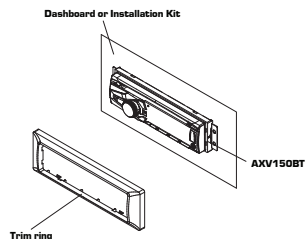
Step 2:

Screw the AXV150BT mounting brackets into the RV Cabinet.



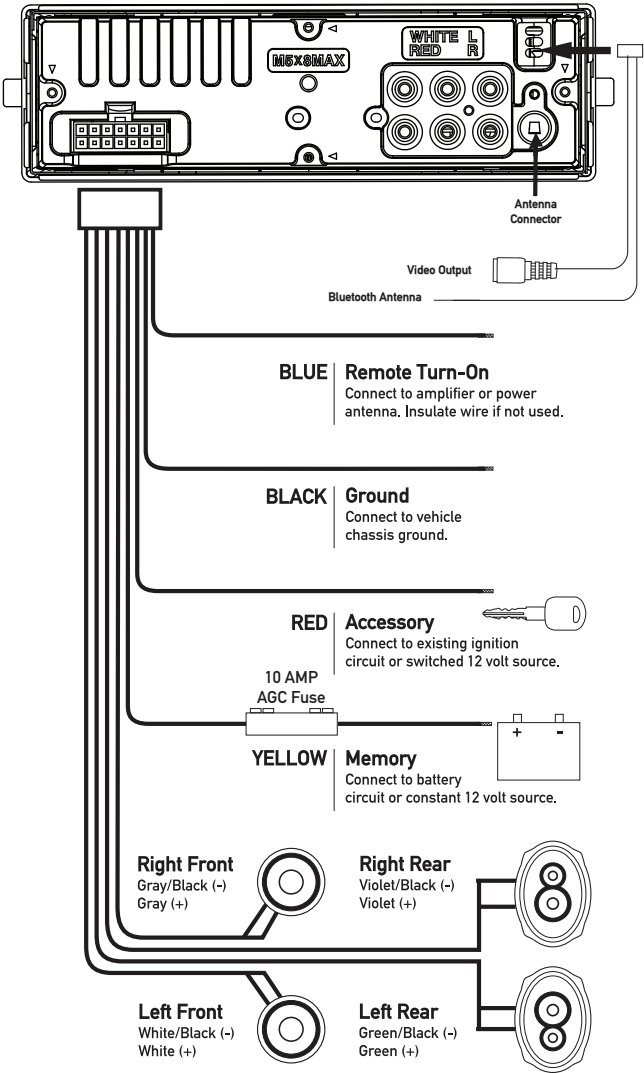
Step 3:

Put the trim ring on the AXV150BT.



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Wiring Diagram - Inputs/Outputs



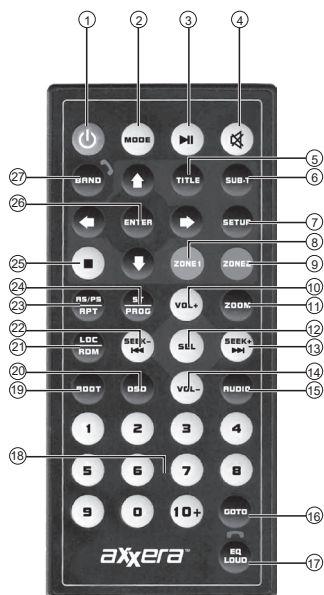
Note:
When replacing a fuse, make sure to use the correct type and amperage. Using an incorrect fuse could cause damage. The unit uses [1] 10 amp AGC fuse located inside the in-line filter box.

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Control Locations



- | | | |
|----------------------------|--------------------------------|-------------------------|
| ① Zone 1 | ⑦ Preset 6 / On Screen Display | ⑬ Display / End Call |
| ② Zone 2 | ⑧ Preset 5 / Stop | ⑭ Band / Bluetooth Talk |
| ③ Volume Control / Menu | ⑨ Preset 4 / Random | ⑮ Power / Mode |
| ④ AS/PS / Go Back | ⑩ Preset 3 / Repeat | ⑯ Tune/Track Up |
| ⑤ USB Port (charging only) | ⑪ Preset 2 / Intro | ⑰ Tune/Track Down |
| ⑥ Auxiliary Input | ⑫ Preset 1 / Play/Pause | |

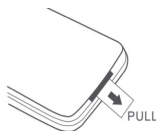


- | | |
|------------------------|------------------------------|
| ① Power | ⑮ Go To |
| ② Mode | ⑰ EQ / Loudness / End Call |
| ③ Play / Pause | ⑱ Number Keys |
| ④ Mute | ⑲ Root |
| ⑤ Title | ⑳ On Screen Display |
| ⑥ Subtitle | ㉑ Local / Random |
| ⑦ Setup | ㉒ Seek Down / Previous Track |
| ⑧ Zone 1 | ㉓ AS/PS / Repeat |
| ⑨ Zone 2 | ㉔ Stereo / Program |
| ⑩ Volume Up | ㉕ Stop |
| ⑪ Zoom | ㉖ Enter |
| ⑫ Select | ㉗ Band / Talk |
| ⑬ Seek Up / Next Track | |
| ⑭ Volume Down | |
| ⑮ Audio | |

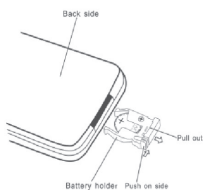
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Remote Control Preparation

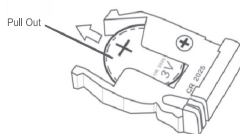
Remove battery insulation tape .



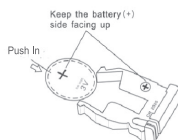
To insert or replace the battery, remove the battery holder.



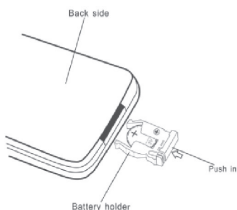
Remove the battery from the battery holder.



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.



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General Operation

Power On/Off	Momentarily press  to turn the unit on. Press  again to turn the unit off.
Faceplate Removal	Press RELEASE and pull away from the left side to remove. To reinstall, insert right side of faceplate first, then push left side to secure.
Changing Modes	Press MODE to select between AM/FM, Disc (DVD, CD-RW, CD-R, CD-DA), Rear AV Input, Front AUX Input and Bluetooth. Modes of operation are shown in the display. Optional USB device and SD card must be connected/inserted to appear in the mode selection string.
Volume	Rotate the volume knob to increase or decrease the volume level.
Mute	Press MUTE on the remote control to silence the audio. Press MUTE again to return to the previously selected volume.
Auxiliary Input	Insert a 3.5mm cable in the unit's front AUX port or RCA cables into the rear AV-In connectors.
USB Port	Connect a USB device to charge desired USB device.
Reset	If abnormal operation occurs, press RESET to reset the unit back to the factory settings. The RESET button is located behind the front panel.
Setting the Clock	With the unit on, press and hold DISP until the clock begins to flash, then release. Press TUNE ◀◀ to adjust the hours and TUNE ▶▶ to adjust the minutes. Press DISP momentarily to save the selected time.
Display	Press DISP to toggle display between various displayed information.
Setup Menu	Press and hold volume knob for more than three seconds to access the setup menu. Press volume knob momentarily to select between the menu functions and rotate the volume knob left/right to adjust or activate the desired function.

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General Operation

Setup Menu | Press and hold **MENU** for more than one second to access the Setup Menu to adjust the following options:

Menu Function	Options
Stereo / Mono	Rotate the volume knob to select STEREO or MONO playback.
Local / Distance	Rotate the volume knob to turn Local tuning ON or OFF.
Frequency Spacing	Rotate the volume knob to turn select USA or EURO frequency spacing
Audible Beep	Rotate the volume knob to turn the Audible Beep feature ON or OFF.
Programmable Turn-On Volume	Rotate the volume knob to set the desired volume the radio any time it turns on, or select OFF to deactivate this feature (unit will turn on at the volume that was selected when it last powered down).
Auto Answer	Rotate the volume knob to set the unit to automatically answer Bluetooth calls (ON) or to require manual call answering (OFF).

Audio Menu | Momentarily press **MENU** to access the Audio Menu to adjust the following options:

Menu Function	Options
Bass	Rotate the volume knob to adjust the bass setting [-7 tp +7].
Treble	Rotate the volume knob to adjust the treble setting [-7 tp +7].
Balance	Rotate the volume knob to adjust the balance setting [-7 tp +7].
Loudness	Rotate the volume knob to turn loudness feature ON or OFF.
Equalization Curves	Rotate the volume knob to select one of the following Equalization Curves (EQ): FLAT, POP, CLASSIC, ROCK or USER.

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Speaker Zone Operation

Zone 1 Button	Press ZONE 1 to turn the sound from Zone 1 on or off.
Zone 2 Button	Press ZONE 2 to turn the sound from Zone 2 on or off.

AM/FM Tuner Operation

Seek Tuning	Press TUNE ◀◀ or TUNE ▶▶ for more than one second to seek to the next strong station.
Manual Tuning	Press TUNE ◀◀ or TUNE ▶▶ momentarily to move radio frequency up or down one step at a time. Press and hold to advance quickly.
Band	Press BAND to select between FM1, FM2, FM3, AM1 and AM2 bands. Up to six presets can be programmed for each band, enabling up to 18 FM stations and 12 AM stations to be stored in memory.
Storing Presets	Up to 18 FM and 12 AM stations can be stored. To store a station, select the desired band and station. Press and hold the desired preset button (1-6) for more than two seconds. When stored, the preset number will appear in the display.
Recalling Presets	Preset stations can be recalled any time by pressing the corresponding preset button.
AS/PS	Press to scan presets and listen to the first 10 seconds of each. Press again to stop scanning and listen to the station. Press and hold to automatically find and store the strongest stations as presets.

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CD Operation

Insert CD	With the label facing up, insert a standard size CD into the CD slot. Playback will begin automatically.
Eject CD	Press EJECT (located behind the front panel) to eject the CD. The unit will change to previous mode of operation.
Track Select	Press TUNE ►► to skip to the beginning of the next track. Press TUNE ◄◄ to return to the beginning of the current track. Pressing TUNE ◄◄ again skips to the beginning of the previous track.
Fast Forward / Reverse	Press and hold TUNE ►► or TUNE ◄◄ to fast forward or reverse a track.
Pause	Press ►/ to temporarily stop CD playback. Press ►/ again to resume playback.
Intro	Press INT to access the Intro menu, then turn the volume knob to select one of the following: <ul style="list-style-type: none">• OFF - Cancels the INT function.• ALL - Plays the first 10 seconds of each track.
Repeat	Press RPT to access the Repeat menu, then turn the volume knob to select one of the following: <ul style="list-style-type: none">• ALL - Plays all tracks on CD.• TRACK - Continuously repeats selected track.
Random	Press RDM to access the Random menu, then turn the volume knob to select one of the following: <ul style="list-style-type: none">• OFF - Cancels the RDM function.• On - Plays all tracks in random order.
CD-R/CD-RW Compatibility	Some CD-Rs and CD-RWs may be incompatible with this unit, depending on media type and recording method. Refer to the online owner's manual for details.

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MP3 Operation

Playing MP3 Files

To play audio files from a disc, insert disc into the slot, and playback will begin automatically.

Track Select

Press **TUNE** ►► to skip to the beginning of the next track. Press **TUNE** ◄◄ to return to the beginning of the current track. Pressing **TUNE** ◄◄ again skips to the beginning of the previous track.



Fast Forward / Reverse

Press and hold **TUNE** ►► or **TUNE** ◄◄ to fast forward or reverse a track.

Pause

Press ►/|| to temporarily stop CD playback. Press ►/|| again to resume playback.

Folder Access

Press  to select the next folder. Press  to select the previous folder. Folder access is only available on discs or devices with more than one folder.

Repeat

Press **RPT** to enter the Repeat menu, then turn the **volume knob** to select one of the following options:

- OFF - Cancels RPT function.
- ALL - Plays all tracks on disc or device.
- TRACK - Continuously repeats selected track.

Random

Press **RDM** to enter the Random menu, then turn the **volume knob** to select one of the following options:

- OFF - Cancels RDM function.
- ON - Plays all tracks in random order.

Intro

Press **INT** to enter the Intro menu, then turn the **volume knob** to select one of the following options:

- OFF - Cancels the INT function.
- ON - Plays first 10 seconds of each track.

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Media Compatibility - CD/DVD

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

Notes:

- 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.

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Media Compatibility

Media Compatibility

The following types of discs/files are compatible:

- CD-DA, CD-ROM (ISO), CD-R, CD-RW
- DVD Video, DVD+R/RW, DVD-R/RW
- 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

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
- WMA 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.

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 written in the formats other than the above may not play and/or their file names or folder names may not be displayed properly.

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

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DVD Operation

Insert DVD	With the label facing up, insert a standard size DVD into the DVD slot. Playback will begin automatically.
Eject DVD	Press EJECT (located behind the front panel) to eject the DVD. The unit will change to previous mode of operation.
Track Select	Press TUNE ►► to skip to the beginning of the next chapter. Press TUNE ◄◄ to return to the beginning of the current chapter. Pressing TUNE ◄◄ again skips to the beginning of the previous chapter.
Fast Forward/ Reverse	Press and hold TUNE ►► or TUNE ◄◄ to fast forward or reverse playback.
Pause	Press ►/ to temporarily stop DVD playback. Press ►/ again to resume playback.
Intro	Press INT to access the Intro menu, then turn the volume knob to select one of the following: <ul style="list-style-type: none">• OFF - Cancels the INT function.• ON - Plays the first 10 seconds of each chapter.
Repeat	Press RPT to access the Repeat menu, then turn the volume knob to select one of the following: <ul style="list-style-type: none">• OFF - Cancels the RPT function.• ALL - Plays all chapters on DVD.• TRACK - Continuously repeats selected chapter.
Random	Press RDM to access the Random menu, then turn the volume knob to select one of the following: <ul style="list-style-type: none">• OFF - Cancels the RDM function.• ON - Plays all chapters in random order.
DVD-R/DVD-RW Compatibility	Some DVD-Rs and DVD-RWs may be incompatible with this unit, depending on media type and recording method. Refer to the online owner's manual for details.

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Bluetooth Operation

Preparation

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

Pairing a New Device


The unit broadcasts the pairing signal constantly when no devices are currently connected. Complete the pairing sequence from your Bluetooth device. Refer to the owner's manual for your device for more details.

**The device name is "Axxera BT".
The Bluetooth passcode "1234".**

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.


Pairing Additional Devices

If a device is currently connected, press and hold  to disconnect the current device before a new device can be paired. Then begin the pairing sequence from the new Bluetooth device.

Connecting a Paired Device

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

Disconnecting a Device

Press and hold  for 3 seconds to disconnect a connected device. The device will remain paired and appear in the SEARCH menu, but not be connected.

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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.

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Limited Two 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.

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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
General	Speaker output impedance: 4 ohms Line output voltage: 4 volt RMS 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: 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)

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Troubleshooting

General		
Problem	Cause	Action
Unit will not turn on (no power)	Yellow wire not connected or incorrect voltage Red wire not connected or incorrect voltage	Check connections for proper voltage (11 ~ 16VDC)
	Black wire not connected	Check connection to ground
	Fuse blown	Replace fuse(s)
Unit has power (but no sound)	Speaker wires not connected	Check connections at speakers
	One or more speaker wires touching each other or touching chassis ground	Insulate all bare speaker wires from each other and chassis ground
Unit blows fuse(s)	Yellow or red wire touching chassis ground	Check for pinched wire
	Speaker wires touching chassis ground	Check for pinched wire
	Incorrect fuse rating	Use fuses with correct rating
Unit has audio (but no video)	Parking brake safety circuit not connected	Check connections at parking brake
	Parking brake not applied	Apply parking brake as described on page 26
No video display (when in reverse)	Reverse circuit not connected	Check connections at reverse lamp
	Vehicle is not in reverse	Select reverse gear
DVD does not start playback	Physical defect in media Wrong region	Check media for scratches 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 Dual product.

Dealer Name _____

Dealer Phone _____

Purchase Date _____

Register Your Product

Register your product online at www.dualav.com.

AXV150BT

Notes



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

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