Quick Start Guide

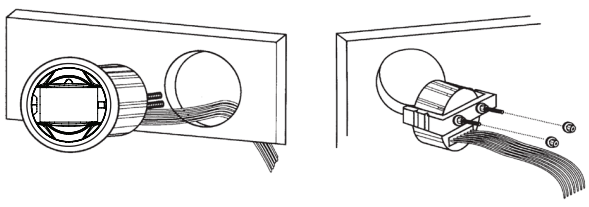
For Gauge Hole Receivers

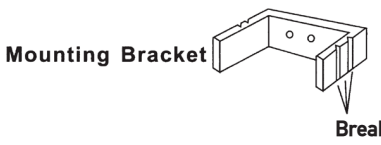
Not all features listed in this QSG are available on all models.

To download the complete, model-specific manual, please visit www.dualav.com/support/manuals.php or call 1-866-382-5476, 9AM-5PM EST (Monday-Friday).

Mounting & Wiring

Once a suitable location has been determined, drill the hole and secure the stereo using the metal mounting bracket. If the bracket needs to be shortened, remove the appropriate number of breakaway segments using a pair of pliers.



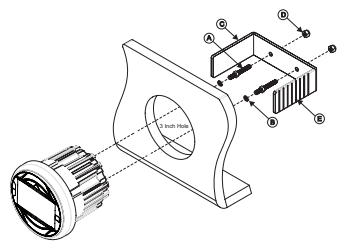


Color	Connection
Red	12V Ignition / Accessory
Black	Ground
Grey	Right Front (+)
Grey/Black	Right Front (-)
White	Left Front (+)
White/Black	Left Front (-)
Violet	Right Rear (+)
Violet/Black	Right Rear (-)
Green	Left Rear (+)
Green/Black	Left Rear (-)

Tip:
When a suitable ground wire is not present in the vehicle wiring harness, connect the black ground wire to the vehicle chassis.

Fuse:
When replacing the fuse, make sure new fuse is the correct type and amperage. Using an incorrect fuse could damage the radio.

Installation



Mounting the Radio

1. Choose a mounting location on the dash board or instrument panel that will allow room behind to run radio cables to the power source. Consider how you will use the AUX IN, LINE OUT and USB connectors and route the appropriate extension cables to an accessible area.
2. Cut a hole in the dash board using the template provided in the back of this manual. At least 3 3/4" depth is needed to mount the radio.

IMPORTANT! Do not mount this unit where it can be submerged in water.

3. Slide the included spring washers (B) over the screw posts (A) and attach the screw posts to the back of the radio.
4. Place the radio in front of the dashboard opening so the wiring can be brought through the opening.
5. After completing the wiring connections, turn the radio on to confirm operation (vehicle accessory switch must be on). If the radio does not operate, recheck all wiring until the problem is corrected. Once proper operation is achieved, turn the accessory switch off and proceed with final mounting of the radio. Refer to the "Wiring Diagram" on page 5.

NOTE: Before final installation, test the wiring connections to make sure the unit is connected properly and the system works.

6. Insert the radio into the mounting hole.
7. Place the "U" bracket (C) over the screw posts and secure the radio to the dash using the included hex nuts (D). If necessary, cut the score marks (E) on either side of the mounting bracket to custom fit the bracket length for your application. See Figure A.

General Operation

Power On/Off — Press the ⏻ button to turn the unit on. Press and hold ⏻ to turn unit off.

Changing Modes — Press **MODE** to select between AM/FM, auxiliary, USB and operation of iPod/iPhone. Modes of operation are shown in the display.

Volume — Adjust volume using **volume up/down key**.

Mute — Press 🔇 to silence the audio. Press 🔇 again to resume listening at the previously selected volume.

Auxiliary Inputs — Insert RCA cables into the rear AUX-IN connectors.

Display — Press **DISP** to toggle display between various displayed information.

Menu — Press **MENU** to access the audio and setup menu options.

Reset — If abnormal operation occurs, press and hold **MENU** and **TUNE ◄◄** for 3 seconds to reset the unit to the default factory settings.

To download the complete Owner's Manual for your radio, please visit www.dualav.com/support/manuals.php.

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 — Select the desired band and station. Hold the **P** button, turn the **volume up/down key** until the desired preset number is highlighted, then press **SELECT** to store the preset.

Recalling Presets — Press the **P** buttons to cycle through the 1-6 presets in the current band.

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MP3 / WMA Operation*

Playing MP3/WMA Files — To play MP3/WMA files, insert a USB device containing MP3/WMA files.

Track Select — Press **TUNE ►►** to skip to the beginning of the next song. Press **TUNE ◄◄** to return to the beginning of the current song. Pressing **TUNE ◄◄** again skips to the beginning of the previous song.

Fast Forward and Reverse — Press and hold **TUNE ►►** or **TUNE ◄◄** to fast forward or reverse a track.

Pause — Press **►/❚❚** to temporarily stop 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 devices with more than one folder.

Repeat — Press **BAND** to enter the Repeat menu, then turn the **volume up/down key** to select one of the following options:
- Current Song - Continuously repeats selected track.
- Current Folder - Continuously repeats all files in folder.

Random — Press **BAND** to enter the Random menu, then turn the **volume up/down key** to select one of the following options:
- Off - Cancels RDM function.
- All Songs - Plays all tracks in random order.
- Current Folder - Plays all tracks in folder in random order

Intro — Press **BAND** to enter the Intro menu, then turn the **volume up/down key** to select one of the following options:
- Off - Cancels the INT function.
- All Songs - Plays first 10 seconds of each track.
- Current Folder - Plays first 10 seconds of each track in the selected folder.

* Not available on all models.
To download the complete Owner's Manual for your radio, please visit www.dualav.com/support/manuals.php.

Operation of iPod/iPhone*

Connect an iPod/iPhone Device (sold separately) — To play music from an iPod/iPhone device, connect the USB cable (included with your iPod/iPhone device) to the unit's USB port. Playback will begin automatically.

Song Select — Press **►►** to skip to the next song. Press **◄◄** to return to the beginning of the current song. Pressing **◄◄** again skips to the beginning of the previous song.

Forward/Reverse — Press and hold **►►** or **◄◄** to fast forward or reverse.

Pause — Press **►/❚❚** to temporarily stop playback. Press **►/❚❚** again to resume playback.

Repeat — Press **BAND** to enter the Repeat menu, then turn the **volume up/down key** to select one of the following options:
- Off - Repeats all tracks.
- Current Song - Repeats selected track.

Random — Press **BAND** to enter the Random menu, then turn the **volume up/down key** to select one of the following options:
- Off - Cancels the RDM function.
- All Songs - Plays all tracks in random order.
- Current Album - Plays all tracks in the selected album in random order.

Intro — Press **BAND** to enter the Intro menu, then turn the **volume up/down key** to select one of the following options:
- OFF - Cancels the INT function.
- ON - Plays first 10 seconds of each track.

Music Search — Turn the **volume up/down key** to select between artists, albums, songs, playlists, podcasts and audiobooks. Press **SELECT** to select the desired search category. Most search categories have subcategories to navigate through.

Manual Control for iPod — When "MANUAL" control is selected from the Setup Menu, the iPod or iPhone device can be controlled directly from the device's interface. All functions except for volume can be used from the iPod or i Phone device. **Note:** The firmware of the iPod/iPhone must be up dated to the latest version to be compatible with manual control model. Not all devices are compatible with manual control mode.

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To download the complete Owner's Manual for your radio, please visit www.dualav.com/support/manuals.php.

Bluetooth® Operation* (MGH30BT Only)

Preparation — Before using a Bluetooth device, it must be paired and connected. Ensure that Bluetooth is activated on your device before beginning the pairing process.

Pairing a New Device — The head unit broadcasts the pairing signal constantly when no devices are 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 head unit can be in any mode of operation when pairing is performed.

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

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

Bluetooth Reset — Resetting the Bluetooth module will remove the list of paired phones. Reset Bluetooth as follows:
1) Press **MODE** until the head unit is in Bluetooth mode.
2) Press and hold **MENU** for 3 seconds to reset the Bluetooth settings back to the factory default.

Streaming Audio Troubleshooting — The head unit supports A2DP wireless streaming audio from a Bluetooth mobile device directly to your head unit. The following functions can be used to control the music:
- Press **►►** to skip to the next available audio track.
- Press **◄◄** to skip to the previous audio track.
- Press **►/❚❚** to toggle between play and pause during playback.

* Not available on all models.
To download the complete Owner's Manual for your radio, please visit www.dualav.com/support/manuals.php.

Pandora® Operation*

Requirements — Control for Pandora requires:
- An iPhone device with a reliable data connection, or an iPod touch that is connected to wireless internet.
- The Pandora App installed on the iPhone/iPod device.
- An active account with Pandora (www.pandora.com).
- The USB sync cable included with iPod/iPhone device.

USB Connection — Connect an iPod touch or iPhone device (required, sold separtely) to the USB port, using the USB sync cable included with your iPhone device.

Changing Stations — Press **SELECT** to display the stations menu. Turn the **volume up/down key** to cycle through the list of stations, then press **SELECT** when the desired station is highlighted.

Note: Stations must be created on your account prior to connecting your iPod/iPhone device to the head unit.

Shuffle — Press **SELECT** to display the stations menu. Choose "Shuffle" from the stations menu to shuffle songs from all of your stations.

Skip Track — Press **►►** to skip the current song.

Play/Pause — Press **►/❚❚** to temporarily stop playback. Press **►/❚❚** again to resume playback.

Thumbs Up — Press 👍 to customize the station to play more songs like the currently playing song.

Thumbs Down — Press 👎 to customize the station to play songs that are different from the currently playing song.

Device Compatibility — Refer to the Owner's Manual for a complete list of devices compatible with this head unit. Refer to www.pandora.com/everywhere/mobile for devices compatible with the Pandora mobile application.

Troubleshooting — **Note**: Pandora is an internet service, carrier and data charges may apply.

* Not available on all models.
To download the complete Owner's Manual for your radio, please visit www.dualav.com/support/manuals.php.

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. (Note that select marine products carry a 2-year warranty. Please visit www.dualav.com for details.) 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 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: 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.

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 toll-free at 1-866-382-5476 or by email 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.

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.

Dual Electronics Corp.
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Monday-Friday, 9AM-5PM
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