



MGH17BT

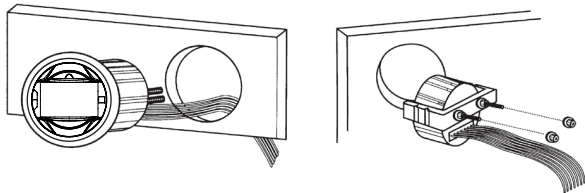
Quick Start Guide For Gauge Hole Receivers



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.



Mounting Bracket

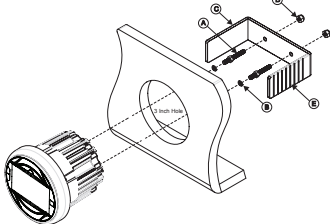
Break Lines

Color	Connection
Red	12V Ignition / Accessory
Black	Ground
Blue	Remote Turn-on B (+)
Grey	Right Front (+)
Grey/Black	Right Front (-)
White	Left Front (+)
White/Black	Left Front (-)
Violet	Right Rear (+)
Violet/Black	Right Rear (-)
Green	Left Rear (+)
Yellow	Camera Input(RCA Type)
Green/Black	Left Rear (-)
USB INPUT	
BLACK  USB CONNECTOR	
REMOTE INTERFACE	
BLACK  REMOTE CONTROL INTERFACE INPUT	

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.

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.








MP3 Operation*

Playing MP3 Files	To play MP3 files, insert a USB device containing MP3 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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 iPhone 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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
Bluetooth® Operation*

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 "MGH17BT" The Bluetooth passcode is "1234" 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: <ul style="list-style-type: none">• 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.

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Weather Band Operation*

Manual Tuning	Press TUNE  or TUNE  momentarily to seek the next weather band station.
Band	Press BAND to select weather band(WB).

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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?

- 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.
- 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.
- 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.
- 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.
Toll Free: 1-866-382-5476
Monday-Friday, 9AM-5PM
www.dualav.com

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