db DRIVE ™

AMR-5BT

LCD Digital Marine Receiver

DB DRIVE

AMR-5BT Digital Marine Receiver

Bluetooth®

SW− Z1 | SW+ Z2 | ⏮ | ⏭

⚙ MENU | ⏻ ⌂ | 🔍↩ | ☀

USER MANUAL

Installation Instructions | Owner's Manual

Due to continuous improvement of the product, specifications are subject to change without notice.

Congratulations on your purchase of DB Drive's state-of-the-art AMR-5BT Marine Digital Media Receiver. Your selection of a DB Drive Marine product indicates a true appreciation of fine musical reproduction.

Product Commitment

DB's engineering professionals harnessed years of expertise, experience and passion, coupled with exhaustive testing and creative design to develop the optimal product and performance for your musical enjoyment. This is our commitment to you. It's what you deserve and have come to expect from DB DRIVE. We appreciate the confidence and look forward to your positive experience.

Keep Your Sales Receipt

Take this time to attach your sales receipt to the manual and put in a safe place. In case of any unforeseen reason this product may need warranty service, your receipt will be necessary to establish purchase date.

Recommendation

A subwoofer's performance is only as good as its installation. Proper installation will maximize the system's overall performance. It is recommended that you have our product installed by an authorized DB Drive retailer. However, if you decide to install it yourself, please carefully read through this manual and take your time to do a quality installation.

Optimal Product Choice

To get the Maximum performance out of your stereo system, we recommend using 100% authentic DB Drive electronics and DB LINK wiring and accessories. Matching DB Drive amplifiers and Speakers with your state-of the art electronics purchase is critical to optimize your system's performance. Wiring is the lifeblood of a system, make sure your audio system has the adequate current and signal transfer it deserves and needs. DB Link has it all, from wiring rolls; Speaker, power, ground and remote to amplifier kits, RCAs, and Fuse holders, distribution blocks and battery connectors. Insist on getting the best, DB LINK. It's what you deserve to get the optimum performance from your audio System.

IMPORTANT!

Before making any connections, disconnect the battery until the installation is completed to avoid possible damage to the electrical system.

WARNING!

Exposure to a high power sound system can cause hearing loss or damage. Listening to your system at loud levels while driving will impair your ability to hear traffic sounds and emergency vehicles. Use common sense when listening to your system.

Serial # _____   Model # _____

SAFETY CONSIDERATIONS

• Install this product in a dry, well-ventilated location that does not interfere with your factory-installed systems. If a dry environment is not available, a location that is not exposed to heavy splashing may be used.

• While this product is designed to be water-resistant, it should never be submerged under water or subjected to high-pressure water spray.

• Do not mount this product in an engine compartment or areas of extreme heat. Areas exposed to a heater or hot air should also be avoided.

• Securely mount this product so that it does not come loose in the event of a collision, sudden jolt or as a result of repeated vibrations during normal use.

• Check before drilling to make sure that you will not be drilling into an exterior panel/hull, fuel tank, gas/brake line, wiring harness or other vital system.

• Do not run system wiring outside or underneath the vehicle/vessel. This is an extremely dangerous practice, which can result in severe damage/injury.

• Protect all system wires from sharp edges and wear by carefully routing them, tying them down and using grommets and loom where appropriate. Secure all wiring using cable ties or wire clamps, as needed.

• Do not replace the power wire fuse with one of a different value. Never bypass the fuse.

• Never make power connections with a "live" wire. Failure to make safe, tight, high-integrity connections can result in fire and extensive damage

INSTALLATION APPLICATIONS

This product is designed for operation with 12 volt, negative-ground electrical systems. Using this product in systems other than 12 volts may result in damage to the product and will void the warranty. This product is not certified or approved for use in aircraft.

What's Included

(1) Media Source Unit
(1) Power Connections Wire Harness
(1) Mounting gasket
(1) Mounting template
(4) Mounting screws
(1) UV Protection Cover
(1) User manual

Product Description: The head source unit is a weather-resistant source unit designed for marine and power sports applications

PRODUCT FEATURES

- Water-resistant chassis and display (IPX66 rated) is built to withstand the elements.

- Easy-to-read, high-brightness, LCD display with large controls for marine/power sports applications.

- Easy panel button backlight brightness control to adjust the LCD brightness.

- Digital AM/FM tuner.

- USB direct-digital connection accesses music files on your USB storage device .

- Bluetooth audio; receives top-quality sound from compatible devices with playback control, at a good distance.

- 1A USB output conveniently charges your phone or portable music player.

- 3 Sets (Sub, Zone1 and Zone2) of 2V RMS line-level RCA outputs deliver crystal-clear audio signals to your amplifiers.

- Auxiliary inputs accept audio signals from any source with line-level outputs.

- Independent subwoofer level control.

- Independent Zone1 and Zone2 Vol control.
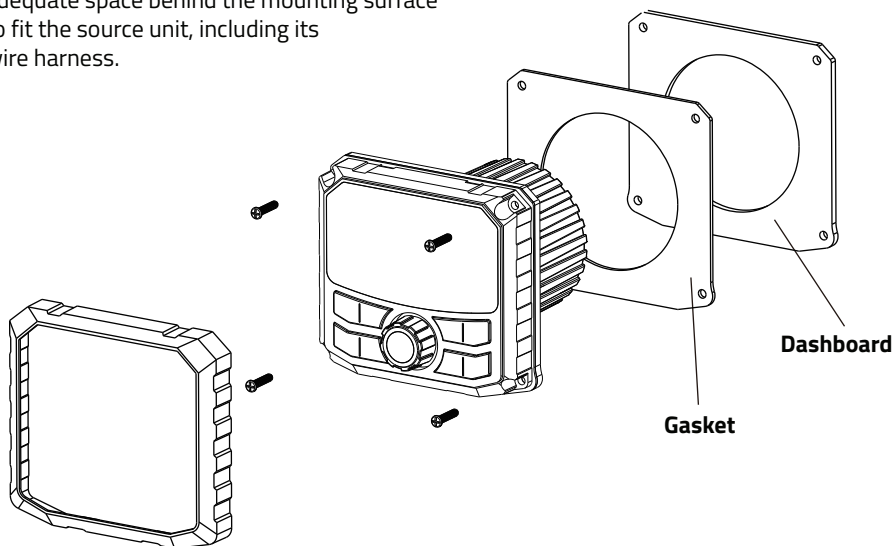
- Subwoofer filter control.

MOUNTING AND INSTALLATION

The diagram below shows a typical fiberglass panel. Always follow proper safety procedures. Wear eye-protection at all times with a dust mask and gloves when cutting. A mounting template is included to aid in measuring and marking the mounting surface before cutting or drilling.
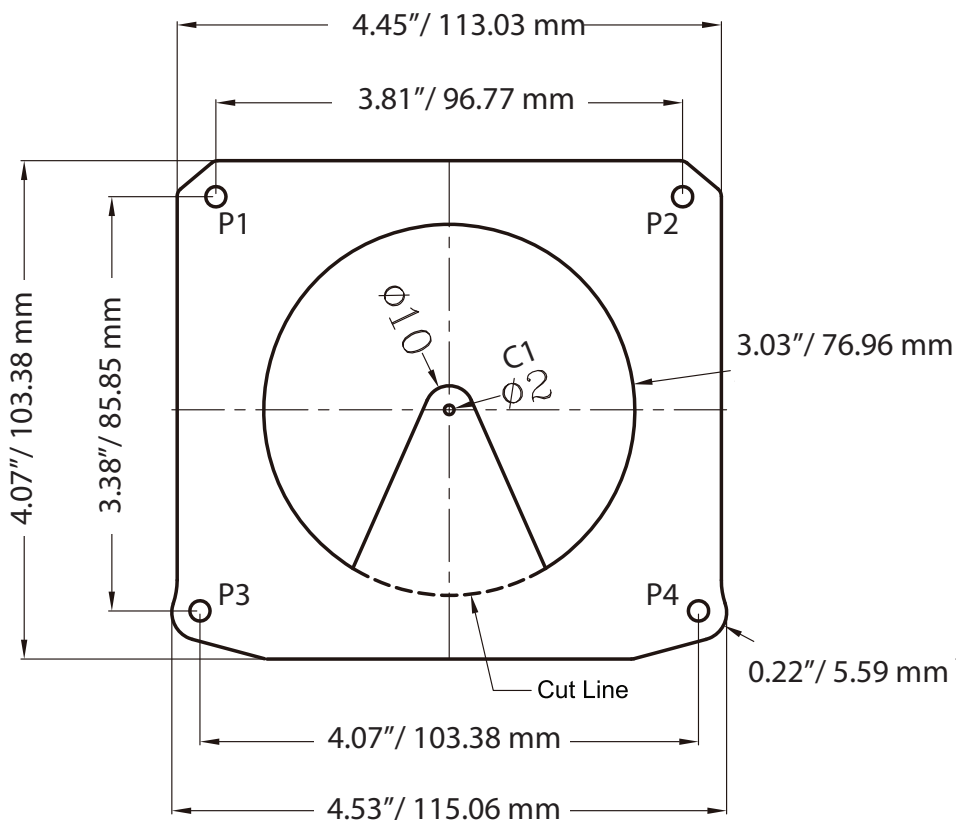
1. Press along the perforation to remove the center section of the mounting template. (Discard the center section.) The template can be used to verify there is sufficient flat surface area for mounting and as a guide for cutting the opening. Tape the template to the mounting location and mark the surface for cutting the opening and drilling pilot holes.

2. Use a jigsaw or rotary tool to cut an opening in the mounting surface. If necessary, use a file or sandpaper to adjust the opening for proper fitment.

3. Place the source unit into the opening and check that the mounting holes remain aligned with the pilot hole marks taken from the template. If not, adjust and mark new holes as necessary.

4. Remove the source unit and drill four (4) pilot holes in the mounting surface at the pilot hole marks.

5. Peel the adhesive backing from the mounting gasket and Connect all wiring and place the source unit into the opening.

6. Secure source unit using the four (4) stainless steel screws. Press the trim ring onto the front of the source unit.

Important:
Before drilling or cutting, make sure there is adequate space behind the mounting surface to fit the source unit, including its wire harness.
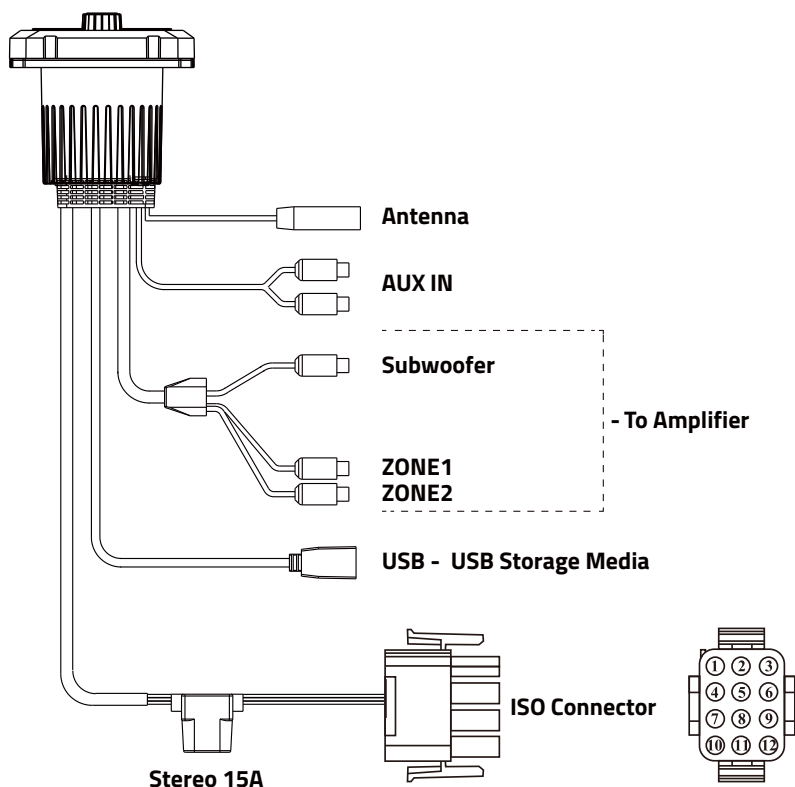
Dashboard

Gasket

Mounting Template

C1: Center of the Installation Mounting Hole (about 77mm/3").

P1 - P4: Positions for 4 Installation Screws.

Antenna

AUX IN

Subwoofer

- To Amplifier

ZONE1
ZONE2

USB - USB Storage Media

ISO Connector

Stereo 15A

ISO Connector

1- Yellow, +12 DC
2- White/Blk, Left Front Spkr,Negative
3- White, Left Front Spkr,Positive
4- Red, ACC
5- Grey/Blk, Right Front Spkr,Negative
6- Grey, Right Front Spkr,Positive
7- Blue, Amp Turn-on
8- Green/Blk, Left Rear Spkr,Negative
9- Green, Left Rear Spkr,Positive
10- Black, Ground
11- Purple/Blk, Right Rear Spkr,Negative
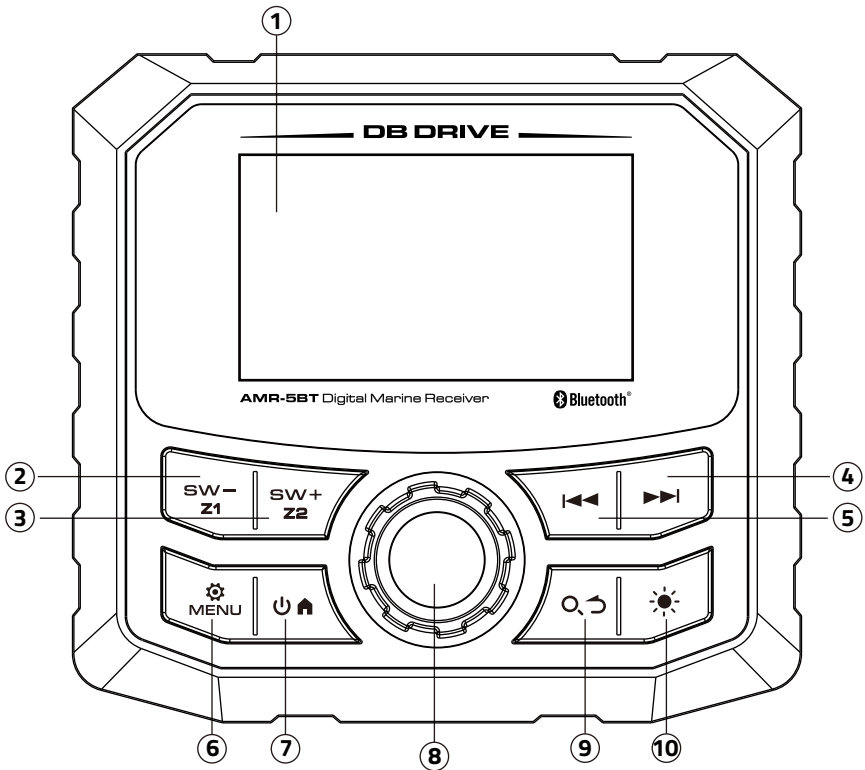12- Purple, Right Rear Spkr,Positive

POWER CONNECTIONS
The 12-pin plug with wire leads is used to make power related connections. Make sure to carefully plan the wiring of your system prior to routing wires and making connections. Refer to the table below when making power connections.

IMPORTANT
Disconnect the NEGATIVE battery post connection and secure the disconnected cable to prevent accidental reconnection. This is an essential safety precaution during installation!

Label	Wire Color	Connection
ACC	RED	Connect to a switched positive (+12V) source. This can be an ignition controlled, accessory circuit or a vessel battery equipped with a main disconnect switch.
+12V DC	Yellow	Connect to the battery POSITIVE post.
Ground	Black	Connect to a clean metal chassis ground, if available. If no metal chassis ground is available, it may be necessary to connect this to the NEGATIVE battery post. **All ground connections (source unit and amplifiers) should be made at the same location to minimize noise.**
Amp Turn-On	Blue	This wire provides a positive (+12V) turn-on voltage to activate the external amplifiers.

WIRING HARNESS CONNECTIONS
Harnesses exiting the rear of the unit are used to connect to aftermarket amplifiers/ equipment and media devices. Depending on your specific equipment, you may or may not use all of the connections. **Make sure to plan the layout of your system prior to routing wires and making connections.** Refer to the table below for additional info.

Label	Wire Color	Connection	
Subwoofer	Blue RCA	Subwoofer Signal Output	**Main**
ZONE 1	White RCA	2 Channel Signal Output	
ZONE 2	Green RCA	2 Channel Signal Output	
Aux-In	Black RCA	Left Channel Signal Input/Auxiliary	**500MV RMS Input Sensitivity**
		Right Channel Signal Input/Auxiliary	
ANT	Antenna	Connect To Motorola Style Antenna	
USB	USB Connector	Connect To USB Storage Device	

1-	LED Display	6-	Menu
2-	SW -	7-	Power/Mute
3-	SW+	8-	Control Knob
4-	Foward Button	9-	Search/Back
5-	Backward button	10-	Brightness

	STATUS
	All Mode/Status
Power/Mute ⏻ 🏠	（@Radio Off) **S:** Power ON （@Radio ON) **S:** Mode Change (FM>AM>USB>BT>AUX) （@Radio ON) **L:** Power OFF
VOL / **Enter Knob**	**S:** Mute/Unmute (Radio / AUX modes), Play/Pause (USB / BT mode) (Under Preset mode) **S:** Save the current frequency to the PRESET Station No#. **R:** General: Rotate this knob to control the MASTER Volume, **R:** Under MENU: Rotate this knob inside Menu for selection,
SW− **Z1**	**S:** To reduce Subwoofer Level，upto OFF **L:** To call out Zone 1 VOL & RCA Zone 1 level adjustment, plus VOL Knob rotate between 0 - 42
SW+ **Z2**	**S:** To increase Subwoofer Level，upto 15 **L:** To call out Zone 2 VOL & RCA Zone 2 level adjustment, plus VOL Knob rotate between 0 - 42
☀	**S:** To call out Brightness level,then rotate Vol Knob to adjust the level between 1 - 10. **L:** Time & date adjustment. L this button,the Hour Format/Year/Date/Month/Hr/Min, will be flashing in terms, when flashing then rotate the Vol Knob to adjust the desired values, L this button again to finish the settings.
Menu Button ⚙ MENU	**S:** S continously to call out AUDIO MENU's items and plus to rotate VOL Knob to have different values. **L:** L to enter SETTING Menu and S continously to call out SETTINGS Menu's items and plus to rotate VOL Knob to have different values.

S: Short Press，L: Long Press，R: Rotate

	STATUS		
	FM	**/**	**AM**
Fast Backward (FB) ◄◄ 🔍↩	**S:** Manually Tune Down Frequency **L:** Enter into Auto search. After Auto search or S the FB button again to change to manually stepping SEARCH. **Save Station:** Tune a desired station by FF/FB button, L this SEARCH/RETURN button to call out SAVE list, rotate VOL Knob for the desired Preset Station No.# then S the VOL Knob button to save the set Station.		
VOL / Enter Knob 🎛	**S:** Mute/Unmute (Radio / AUX modes), Play/Pause (USB / BT mode) (Under Preset mode) **S:** Save the current frequency to the PRESET Station No#. **R:** Rotate this knob to control the MASTER Volume. **R:** Rotate this knob inside Menu for selection.		
Fast Forward (FF) ►►| 🔍↩	**S:** Manually Tune Up Frequency **L:** Enter into Auto search. After Auto search or S the FB button again to change to manually stepping SEARCH. **Save Station:** Tune a desired station by FF/FB button, L this SEARCH/RETURN button to call out SAVE list, rotate VOL Knob for the desired Preset Station No.# then S the VOL Knob button to save the set Station.		

S: Short Press , **L: Long Press** , **R: Rotate**

	STATUS
	USB Playing
Fast Backward (FB) ◄◄	**S:** Previous Track **L:** Fast Backward Track
VOL / Enter Knob	Play/Pause (USB / BT mode) **R:** Rotate this knob to control the MASTER Volume, **R:** Rotate this knob inside Menu for selection,
Fast Forward (FF) ►►|	**S:** Next Track **L:** Fast Forward Track
Menu Button ⚙ MENU	**S:** S 5 times to show the current playing track no#. **L:** Enter the SETTING Menu, then S 5 times to have the REPEAT selection, then rotate the Vol Knob to call out (REP ALL/ONE/FOLDER/RANDOM).
Q ↺	**L:** ENTER track no# selection, then rotate the Vol Knob for different track, S the Vol Knob to start playing the selected track.

S: Short Press, **L: Long Press**, **R: Rotate**

	STATUS	
	AUX /	**BT**
Fast Backward (FB) ⏮◀◀	N/A	**S: Previous song**
VOL / Enter Knob	**S:** Play/Pause (USB / BT mode). **S:** MUTE/UNMUTE (AUX). **R:** Rotate this knob to control the MASTER Volume. **R:** Rotate this knob inside Menu for selection.	
Fast Forward (FF) ▶▶⏭	N/A	**S: Next song**
⌕↩	N/A	**L: Disconnect BT / Re-Connect BT**

S: Short Press, **L: Long Press**,   **R: Rotate**

User Settings

	Setting	Function Description
AUDIO MENU	BASS	Rotate Vol Knob for different values (+/- 7)
	MID	
	TRE	
	EQ	Rotate Vol Knob for USER/FLAT/CLASS/ROCK/POP/JAZZ/BEAT
Setting MENU	BEEP	Rotate Vol Knob for ON/OFF
	LOUD	Rotate Vol Knob for diferent VALUES (OFF/400/800/2400)
	SWV	Rotate Vol Knob for Subwoofer level (OFF - 15)
	SWF	Rotate Vol Knob for Subwoofer frequency (OFF/80/120/160)
	REG (Radio)	Rotate Vol Knob for RADIO region.
	A-STORE	At A-Store, rotate Vol Knob for 1 grid to start the AUTO SEARCH & Store for radio stations. Under FM, then do FM. Same to AM.
	SW VERSION	Showing the current software version.

FACTORY RESET: Under any mode, long press Vol Knob for over 16sec.

Troubleshooting

Problem	Possible Cause	Possible Solution
Unit doesn't turn on	Faulty fuse	Remove fuse and check with continuity meter. Replace if necessary.
	Poor connection integrity	Check "Ground" and "+12VDC" connections for pinched wires; ensure tight connections.
No or Low Sound	Mute or Pause is on	Press VOL/SEL to verify that Mute is not on.
	Volume level is turned down or disabled	Check setting menu
Amps Not Turning ON	Poor connection integrity	Check "Amp Turn-On" connections for pinched wires; ensure tight connections.
No or poor Tuner Reception	Poor connection integrity	Check antenna cable for pinched wires; ensure tight connections.
USB Connection not Working/Charging	Poor connection integrity	Check USB cable for pinched wires; ensure tight connections.

S: Short Press, **L: Long Press**, **R: Rotate**

SPECIFICATIONS

Electrical Specification
Operating Voltage...................................... 12V DC (10.5V - 16V allowable)
Standby Current Draw............................. Less Than 10mA
Fuse Value... 15A
Operation Temperature Range.............. -4 F to +158 F (-20 C to +70 C)

Display
Type.. LCD

Audio Outputs/Inputs
Output Channels... 2 stereo pair of RCA plugs (2V RMS)
RMS. OutputPower.................................... 4x25W (RMS, @4Ω speakers)
Max. Output Power.................................... 4x50W (Max, @4Ω speakers)
Input Channels... 1 stereo pair of RCA plugs (500 mV RMS Input Sensitivity)

Tuner
FM Tuner... 87.5 MHz to 108MHz (0.1MHz step)
AM Tuner.. 520kHz to 1710 kHz (9 kHz step)

Bluetooth
Profile... A2DP v1.3.2, AVRCP v1.6.2
Connection Range..................................... 10 Meters

USB
Interface... USB 2.0
Maximum Current Output....................... 1A
Supported Audio Formats....................... MP3, M4A, SBC, WMA, WAV, FLAC, APE
Support USB size .... Upto 128GB

Dimensions
Unit WxHxD... H106 x W116 x D115mm
Mounting Hole WxH.................................. 77mm x 93mm
Panel thickness (no Vol knob)................. 24mm

RF exposure statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Warning

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.

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.

NOTE 2: Any 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.

LIMITED WARRANTY

DB Drive™ warrants any purchased in the U.S.A. from an authorized DB Drive™ dealer. All AMR-5BT's are warranted to be free from defects in material and workmanship under normal use and service for a period of one (1) year. This warranty applies to the original purchase only.

DB Drive™ will repair any unit that has been found to be defective and under warranty provided the defect occurs within the one (1) year warranty period.

This limited warranty does not extend to units that have been subjected to misuse, abuse, neglect, or accident. In DB Drive™'s judgment, products that show evidence of having been altered, modified, or serviced without DB Drive™'s authorization, will be ineligible under this warranty.

The original sales invoice must be presented at the time any warranty will be inspected before any warranty agreement is issued.

To obtain warranty service please contact your retailer or visit our website at www.dbdrive.net for more details.