



VRHDUA100

HD Radio®

Dear Customer,
CONGRATULATIONS. The VRHDUA100 HD Radio™ Receiver, when used as described, will give you years of dependable service in your car, truck, RV, or mini-van. We have taken numerous measures in quality control to ensure that your product arrives in top condition and will perform to your satisfaction. In the rare event that your VRHDUA100 HD Radio Receiver contains a damaged or missing item, does not perform as specified, requires warranty service, or you have an installation problem, **DO NOT RETURN THIS PRODUCT TO THE STORE. PLEASE CALL OUR TOLL FREE NUMBER FROM THE U.S.A. AND CANADA 1-800-445-1797** and ask to speak with a member of our technical service team, or submit your questions by e-mail to customerservice@vr-3.com and a member of our technical service team will respond by e-mail to your questions. Our in-house technical service team will expedite delivery of your part, advise you on installation, or help troubleshoot a problem with you. If your product needs warranty service, our technical service team representative will help you obtain the fastest remedy possible under the warranty.

Before You Install

Automotive audio equipment installations can be challenging at times, even to the most experienced of installation technicians. If you are not confident working with 12 Volt DC vehicle wiring, removing and reinstalling interior panels, carpeting, dashboards or other components of your vehicle, please call our **Toll-Free Help Line 1-800-445-1797** and our in-house technical service team will answer your installation questions. If you have vehicle specific questions, contact the vehicle's manufacturer, or consider having the VRHDUA100 professionally installed.

Parts



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. Changes or modification to this device are not approved by the party responsible for compliance and will void the warranty and user's authority to operate this device.

Installation & Operation

How HD Radio™ Technology Works

Basically, digital HD Radio receivers work the same as a conventional radio. There's a signal on one end and a receiver on the other. But there are a few key differences.

- Instead of sending out one analog signal, stations send out a bundled signal – both analog and digital. Because it is digital, textual data such as traffic, stock info and song titles can be sent out, as well.
- HD Radio technology enables FM broadcasters to offer several new channels of digital programming in addition to their main station. To discover all of the new FM stations in your city, please visit www.hdradio.com.
- Inevitably, radio signals bounce off objects, causing what is called multi-path distortions. This is what causes the static in conventional radio receivers. Digital HD Radio receivers are designed to sort through reflected signals, reducing static, hiss, pops and fades.
- Finally, the signals reach their destination. Both HD Radio broadcasts are free, with no subscription fee. To hear the digital broadcast, all you need is a digital HD Radio receiver. To learn more about HD Radio technology, and to find HD Radio stations, please visit www.hdradio.com.

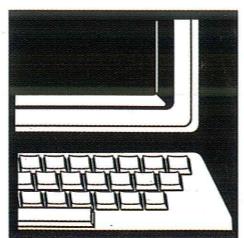
Features:

- Analog FM/AM/RDBS and HD Radio Reception.
- Upgrades Existing Car FM/AM Analog Radio to digital HD Radio Reception.
- Automatic Audio Blending for Hybrid Modes.
- Auto Tuning and Manual Tuning.
- Display that shows song title, artist, station name, and other broadcast data.
- Memory tuning for 20 of your favorite presets - 10 AM and 10 FM.

Before You Install

To insure that the unit can be installed properly, temporarily layout all modules and cables in the locations you have chosen to install them. Before final installation of the unit, temporarily connect the wiring and operate the unit to make sure the unit works properly.

- Please read and follow all instructions in this manual.
- Disconnect the vehicle's negative battery terminal before starting installation. Consult the vehicle's owner's manual for proper instructions.
- The unit is designed for a 12 Volt DC negative ground operation system only. Before installing the unit, make sure your vehicle is a 12 Volt DC negative ground system.
- Be sure to connect the wires according to the wiring diagram. Incorrect connections may damage the unit or cause the unit to malfunction or cause damage to the vehicle's electrical system.
- Make sure all the connections are completely correct before turning on your unit.
- Do not open the unit. Modifying the unit will void the warranty and may damage the unit or cause the unit to malfunction or cause damage to the vehicle's electrical system.
- Use only the parts included with this unit to ensure proper installation. The use of unauthorized parts may cause damage to the vehicle or unit and void the warranty.
- If installation requires the drilling of holes or other modifications to the vehicle, consult with your vehicle's nearest dealership to avoid damaging your vehicle.
- Install the unit in a location where it shall not obstruct driver's ability to safely operate the vehicle, and cannot injure any passengers if there is a sudden stop, like an emergency stop.
- Do not block this unit's vents or heater panels. Blocking them will cause excessive heat to build up inside the unit and may result in fire.
- To avoid interference, keep the power supply away from the radio and antenna while in use.
- Please fasten all cables between the Power Adaptor, HD Radio Control Panel and the HD Radio Main module after installation.



GIVE US A CALL, WE'LL HELP YOU INSTALL.

PLEASE DO NOT RETURN PRODUCT TO STORE.
Visit us on the WEB

WWW.VR-3.COM

For Information and Technical Assistance,
 Call Toll-Free in U.S.A. and Canada.

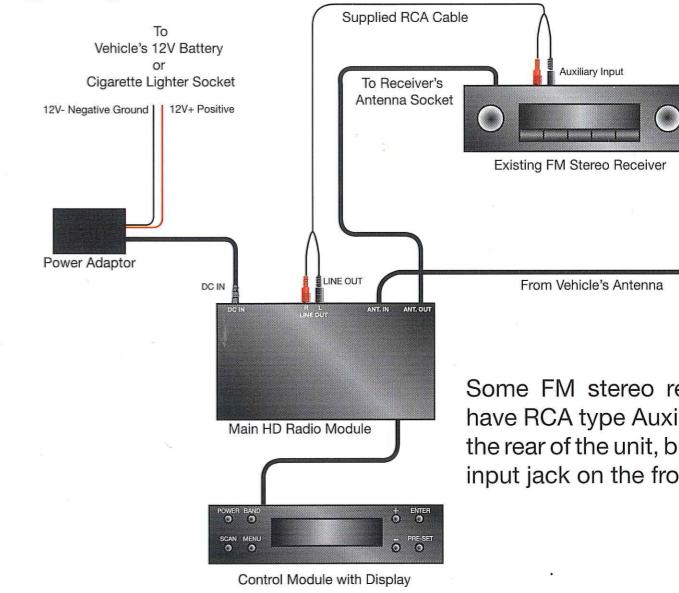
1-800-445-1797

Installation & Operation

Installation

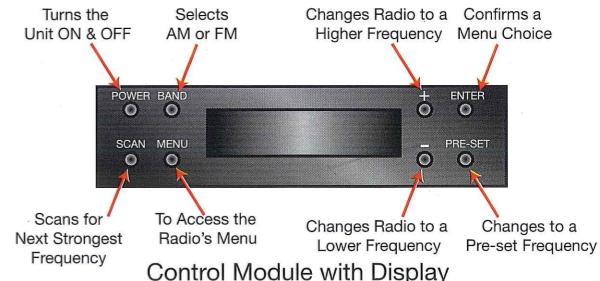
- Mount the Main Module, Control Module and Power Adaptor/Noise Suppressor in the locations you have chosen to install them.
- Insert the RCA plugs on one end of the supplied RCA cable into the Line Out Jacks of the Main Module. Make sure you insert the Red plug into the Right Channel and the White plug into the Left Channel.
- Insert the RCA plugs on the other end of the supplied RCA cable into the Auxiliary IN Jacks of the vehicle's FM stereo receiver. Make sure you insert the Red plug into Right Channel and the White plug into the Left Channel.
- Insert the Vehicle's antenna cable into the Main Module's Antenna IN jack.
- Insert the Main Module's Antenna Cable into the vehicle's antenna jack.
- Insert the Power Module's DC power cable into the Main Module's DC IN jack.
- Connect the 12V adaptor to the Power Module
 - Insert the negative 12VDC male connector of the 12V adaptor into the negative female connector of the Power Module.
 - Insert the positive 12VDC female connector of the 12V adaptor into the positive male connector of the Power Module.
- Insert the 12V Adaptor into the vehicle's power port or cigarette lighter socket.

Wiring Diagram



Some FM stereo receivers do not have RCA type Auxiliary In Jacks on the rear of the unit, but have a 3.5mm input jack on the front panel.

OPERATION



Changing the Frequency

Scanning for available FM/AM/HD channels

- Press the SCAN button to scan for available analog FM/AM channels and/or digital HD channels, one after one, till your favorite station.
- Press and hold the SCAN button for less than 2 seconds, it will search forward for the next strongest frequency, then stop.
- Press and hold the SCAN button for more than 2 seconds, it will search backward for the next strongest frequency, then stop.