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D-TAR – Installation Instructions

Wave-Length™

Volume & Tone Module



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Read This First

When we first launched the Wave-Length pickup in 2006, it had an easily accessible location on the circuit board for attaching a Volume & Tone (“V&T”) Module. In mid-2007, we modified the Wave-Length chassis to include a 1/8” mini-jack for even easier connection of the V&T Module. Before proceeding, check your Wave-Length for the presence of a mini-jack on the bass-side of the preamp chassis. You might need to feel around a little or use a tool like a dentist’s mirror to locate the mini-jack. If the mini-jack is available, installation is simple. Plug in the V&T (make sure the plug is fully engaged) and then proceed directly to step 9 on page 6 of this manual. If your Wave-Length does not have the 1/8” mini-jack, then read these instructions in their entirety before connecting your V&T Module.



2006 version



2007 version with mini-jack

Tools Required



FIGURE 1

1. Small Phillips (#2) screwdriver.
2. Wire cutter
3. Wire stripper
4. Soldering iron and tweezers.
5. Hot glue gun and glue or RTV glue
6. Small Crescent wrench for tightening nut on endpin jack.
7. Small Phillips head screwdriver, allen wrench or finishing nail to prevent jack from turning as you tighten the nut.
8. Special home-made preamp insertion tool: A modified $\frac{1}{4}$ " plug attached to a 2 ft. length of $\frac{3}{16}$ " dia. wooden dowel or stiff copper wire (solid conductor). This will help guide the endpin jack through the hole in the end block from the outside.
9. Isopropyl alcohol and swabs.

Installing the Volume & Tone Module (Pre-2007 Version)

We recommend that the V&T Module be installed by a qualified technician or luthier. The V&T Module installation is best performed prior to installing the pickup in the guitar. If the pickup and preamp have already been installed in the instrument, it will be necessary to remove the pickup from the saddle slot, being careful not to damage or distort the pickup in any way. Next, separate the battery holder from the guitar body. Finally, remove the outer fasteners of the endpin jack and carefully remove the entire pickup/preamp assembly from the guitar.

1. Remove the chassis cover by removing the two screws.
2. Clip the jumper wire in half and remove each half by de-soldering. Refer to Fig. 2
3. Clip off the 1/8" mini-plug from the V&T Module cable using the wire cutter and remove around 3/8" insulation using the wire strippers.

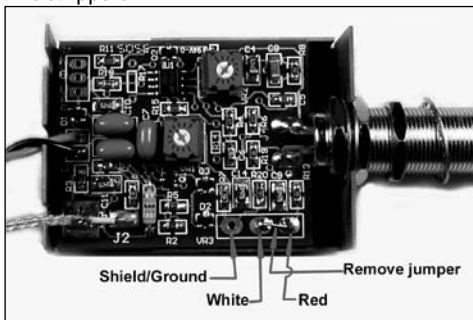


FIGURE 2

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4. Solder the V&T Module cable following the color code in Figure 2
 5. Route the V&T Module cable through the same slot in the preamp chassis as the pickup cable. Secure the cable to the inside of the chassis with a small amount of hot glue.
 6. In order to allow more usable range of the external tone control you're installing, turn up the treble response of the preamp with the treble trimpot by rotating it to the extreme clock wise position.
 7. Replace the cover and secure the screws. Be sure to align the holes with the trim pots.
 8. Install the Wave-Length system in the guitar according to the instruction sheet included with the Wave-Length or use the Wave-Length pickup installation instructions available at dtar.com.
 9. Determine the proper location for the V&T Module by dry-fitting it underneath the bass side of the soundhole. When you have found a location that will give you comfortable access to the controls, clean the area with alcohol to remove any oils or sawdust.
 10. Remove the backing of the double-stick tape and affix the module to the chosen location, as in Figure 1. If there is excessive cable length, it should be secured using one of the cable clamps included with the Wave-Length.

Limited Warranty / Disposal Guidelines

D-TAR offers the original purchaser a one-year limited warranty on both labor and materials starting from the day this product is purchased from an authorized D-TAR Dealer or as original equipment in an instrument, provided that a qualified, professional repairperson or luthier performed the installation. D-TAR will repair or replace this product, at its option, if it fails due to faulty workmanship or materials during this period. Defective products should be returned to your USA dealer, international distributor, or sent direct to our factory postage prepaid along with dated proof of purchase (e.g., original store receipt) and a RMA number clearly written on the outside of the box. Please call our factory for issuance of an RMA number.

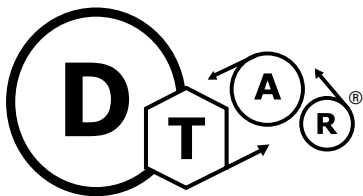
This warranty does not apply to damage to this product or an instrument caused by misuse, mishandling, accident, abuse, alteration, faulty installation or installation by a non-qualified repairperson.

Product appearance and normal wear and tear (worn pain, scratches, etc.) are not covered by this warranty.

D-TAR reserves the right to be the sole arbiter as to the misuse or abuse of this product. D-TAR assumes no liability for any incidental or consequential damages, which may result from the failure of this product. Any warranties implied in fact or by law are limited to the duration of this express limited warranty.

This product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased this product.





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