

## VMT-1 INPUT MATCHING TRANSFORMER

### CONNECTIONS

The VMT-1 provides an impedance match between a 500-600 Ohm balanced line and a high impedance auxiliary or microphone input of an amplifier.

The VMT-1 may also be used to attenuate the audio output of a 25-volt amplifier to a level suitable to connect to a line level input.

Connections to the HI Z I/O of the VMT-1 may be made via standard phono patch cable or via screw terminals.

Connections to the 600-Ohm I/O of the VMT-1 may be made via screw terminals.

### DIMENSIONS/WEIGHT

- 1.75" H x 3.75" W x 1.25" D  
(4.45cm H x 9.53cm W x 3.2cm D)
- 0.5 lbs. (.23 kg)

Figure 1: Shows the VMT-1 being used to connect a 600-Ohm balanced line output to the auxiliary input of a commercial amplifier. If the amplifier uses phono jacks for auxiliary input connections a patch cable with male phono ends may be used for the connection. Shielded single conductor wiring should be used when the amplifier is equipped with screw terminal connections.

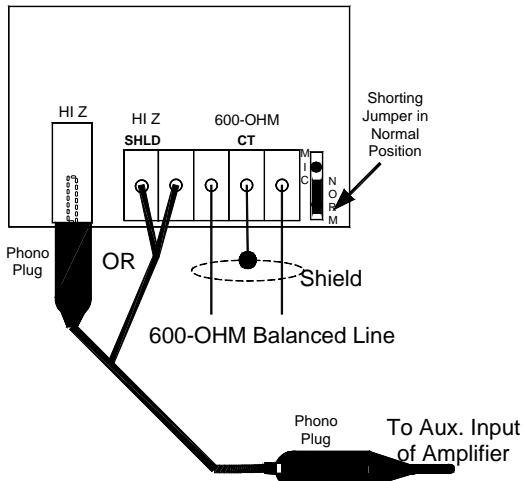


FIGURE 1: Input Matching Transformer



Figure 2: To connect a 600-Ohm line output to a 1/4" microphone input of an amplifier, **move the shorting jumper to the upper 2 header pins** on the unit.

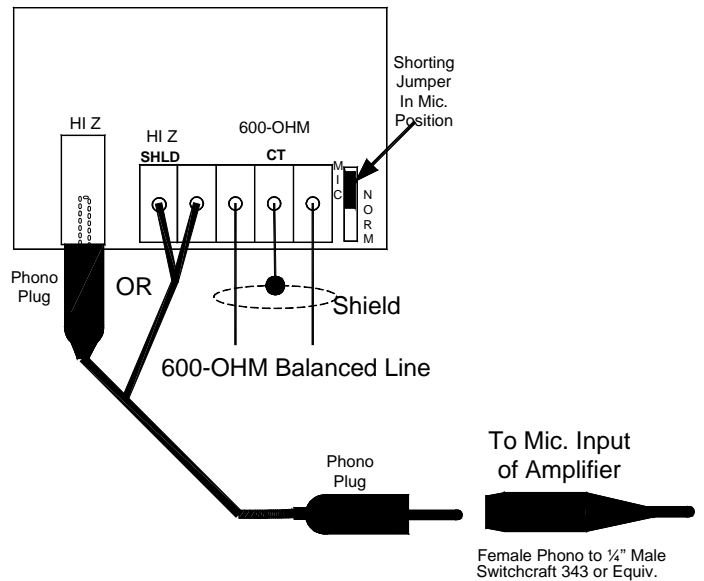
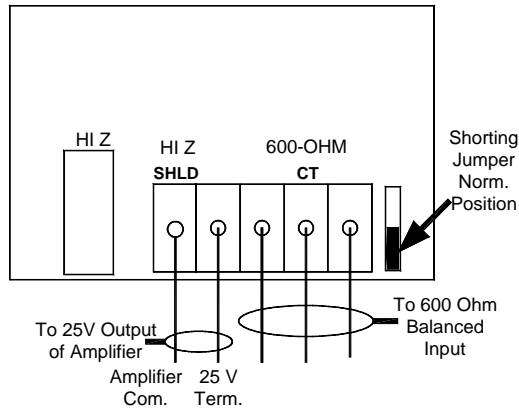


FIGURE 2: Connection to Microphone Input

Figure 3: In order to attenuate a 25-volt amplifier output to line level audio, connect the 25V speaker line common to HIZ SHLD screw terminal. Connect the other side of 25V line to the remaining HIZ out screw terminal. Line level audio will be available on the 600-Ohm I/O. Shorting jumper should be in normal position.



**FIGURE 3: Match 25V Speaker Line to 600/500 Ohm Input**

## TECHNICAL ASSISTANCE

When trouble is reported, verify the unit is properly connected and there are no broken connections leading to this unit. Ascertain volume control is turned up.

Assistance in troubleshooting is available from the factory. When calling, you should have a VOM, a test set and call from the job site. Call (540) 563-2000 and press 1 for Technical Support or visit our website at <http://www.valcom.com>.

Valcom equipment is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating company name, address, phone number, contact person and the nature of the problem. Send the unit to:

**Valcom, Inc.**  
**Repair and Return Dept.**  
**5614 Hollins Road**  
**Roanoke, VA 24019-5056**

### VALCOM LIMITED WARRANTY

Valcom, Inc. warrants its products only to the original purchaser, for its own use, to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. This Limited Warranty obligation shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim;
2. the defect is not the result of damage, misuse or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Valcom are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

**This Limited Warranty is in lieu of and excludes all other warranties, expressed or implied and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation, maintenance, installation, removal or use of the product. The maximum liability of Valcom under this warranty is limited to the purchase price of the specific Product covered by the warranty.**

**Disclaimer.** Except for the Limited Warranty provided herein, the product is provided "as-is" without any warranty of any kind whatsoever including, without limitation, any **WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.

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