

# WHIRLWIND TESTER

**POWER ON/OFF SWITCH:** This switch turns the unit on or off and the red LED above the switch indicates on/off status. As the battery's power diminishes, the brightness of the LED will decrease.

**XLR JACKS:** There is one female and one male XLR jack located on the side of the unit. To check the condition of an XLR-F/XLR-M cable, plug each end into the corresponding jacks.

**¼" JACKS:** These can be used for testing either mono or stereo ¼" cables. To test this type of cable, connect the cable between the two jacks.

**RCA (PHONO) JACKS:** At the end of the unit are two RCA jacks. Connect this type of cable between the two jacks.

**LEDs:** The 4 LEDs positioned directly in a row indicate the condition of the cable being tested. Below are some examples of which LEDs will illuminate when checking various types of cables:

## XLR to XLR and ¼" to ¼" STEREO or TRS

Designations for XLR and ¼" cables are located to the left of each LED (ignore the designations on the right). When testing these cables, all three green LEDs will light when the cable is good.

1. If the pins 2 and 3 are reversed on one XLR connector, the red LED labeled PHASE REVERSE will light.
2. If there is an open ground (pin 1), no LEDs will light.
3. If there is a short to ground from pin 3, the LEDs labeled PIN 1 and PIN 2 will remain lit while the LED labeled PIN 3 will not light.
4. If there is a short to ground from pin 2, only pin 1 LED will light.
5. If there is an open on either pin 2 or pin 3 and the ground is intact, both LEDs labeled PIN 2 and PIN 3 will not light.

## ¼" to ¼" MONO

When testing this type of cable, the LED labeled PIN 3 RING will not light. A good cable will light the PIN 1 SHIELD and PIN 2 TIP LEDs. If either connection is open, the corresponding LED will not light. If the connections are shorted, only the PIN 1 SHIELD LED will light.

## RCA to RCA

Designations for RCA PHONO cables are located to the right of the 2 LEDs closest to the top of the box (ignore the designations on the left). The top LED corresponds to the shield and the bottom LED corresponds to the tip. A good cable will light both LEDs. An open or shorted tip will light only the shield LED. No LEDs will light with an open shield connection.

## SPECIAL CABLES

Refer to the following for testing mixed connector cables such as adapter cables.

### Female or Male XLR to ¼" TS (Mono)

On the box is the designation XLR-1/4" located above and between a male XLR jack and a ¼" jack. These two jacks *must* be used for testing these cables. To test male XLR to ¼" cables, you must use a Switchcraft 389 or equivalent female/female XLR adapter in the male XLR jack. To get an accurate reading from a cable of this type, it is essential that the unused pin be tied to ground. When testing the cable, the LED labeled PIN 1 SHIELD should always light and either the LED labeled PIN 2 HOT or PIN 3 HOT will light depending upon which is wired to the tip of the TS plug. Any other reading indicates a problem.

### Female or Male XLR to ¼" TRS (Stereo)

Use the same jacks as when testing XLR and ¼" TRS cables. When testing the cable, the LED labeled

PIN 1 SHIELD and the LED labeled PIN 3 RING should always light and either the LED labeled PIN 2 HOT or PIN 3 HOT will light depending upon which is wired to the tip of the TRS plug. Any other reading indicates a problem.

#### ¼" to RCA PHONO

Connect the ¼" connector to the bottom ¼" jack located above the label ¼" **PHONO** and the left hand RCA jack. The LED labeled PIN 1 SHIELD will light for the ground connection and the LED labeled PIN 2 TIP will light for the hot connection. The PIN 2 TIP LED will not light if the hot connection is either open or shorted.

#### RCA to XLR

Follow the conventions used for female XLR to ¼" TS above, using a Switchcraft 345 female RCA to male ¼" adapter or equivalent in the ¼" jack. Be sure to always use the male XLR jack. Use a female-female XLR adapter for testing cables with male XLR plugs.

NOTE! IN THE CASE OF INTERMITTENT PROBLEMS, WIGGLING THE WIRES AT THE CONNECTORS MAY HELP YOU TO LOCATE THE PROBLEM. THIS IS EASILY ACCOMPLISHED DUE TO THE HANDS FREE DESIGN OF THE TESTER.

#### BATTERY REPLACEMENT

Remove the 4 screws from the bottom cover, remove the cover and replace the battery with a new 9V alkaline type. Be sure that the foam padding remains in place underneath the new battery before replacing the cover.

Should you have any questions regarding the use of this product, contact Whirlwind customer service at 888 733-4396 or techsupport@whirlwindusa.com. Office hours are 9:00 AM to 5:00 PM EST.

#### WARRANTY

This product is warranted to be free of defects in materials or workmanship to the original purchaser for a period of 2 years from the date of purchase. Should warranty service be required, return the unit postage paid along with the original sales receipt to:

Whirlwind Music Dist., Inc.  
99 Ling Road  
Rochester NY 14612

Whirlwind will, at its option, repair or replace the unit. This warranty does not cover damage resulting from abuse, unauthorized modifications or use of the product in unintended applications.