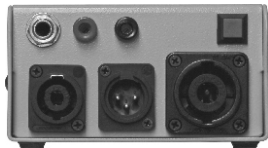




CAB DRIVER

Speaker Component Checker



The Cab Driver is a battery powered test device for checking the operation of the speaker components within enclosures. A pink noise signal source is generated internally, boosted by the power amplifier and accessed through an assortment of speaker box connectors, including Neutrik Speakon NL8 and NL4, 1/4" TS and banana jacks. The amount of pink noise output can be adjusted with the level control to appropriate levels for subwoofers, midrange cones and compression drivers and tweeters.

Warranty

This product is guaranteed for 2 years from the date of purchase against manufacturing defects. For warranty service, return the unit, along with the original sales receipt, to: whirlwind, 99 Ling Road, Rochester, NY 14612, postage prepaid. We will repair or replace the unit at our option and pay the return postage.

whirlwind

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Controls and Connections

The Level Control adjusts the volume of the pink noise output and also serves as the power switch for the Cab Driver. The unit should be turned off when not in use to preserve battery life.

A Power LED indicates that the unit is operational. The LED will dim as the batteries near the end of their useful life.

Four pushbutton Select Switches route the power amp output to the pairs of speaker connections; 1+ 1-; 2+ 2-; 3+ 3-; 4+ 4- in the NL8 and 1+ 1-; 2+ 2- in the NL4. The banana jacks and the 1/4" TS jack are controlled by the 1+ 1- switch. The Cab Driver is designed to work with 4 and 8Ω loads, although lower impedances can be driven safely for brief periods of testing with reduced battery life. Selecting only one switch at a time conserves battery power and minimizes the load on the power amp output.

The DC Ohms Test measures the DC resistance of the voice coil circuit connected to the output terminals selected by one of the pushbuttons. This feature helps identify blown drivers in cabinets with multiple drivers in series parallel configurations. Three LEDs indicate values of 4, 8 or 16Ω. The green LED lights from 1.8 to 3.6Ω, the yellow LED lights from 3.6 to 7.2Ω and the red illuminates from 7.2 to 14.4Ω. Pushing the switch applies a 5VDC voltage to the selected output terminals that can also be used for detecting cone speaker polarity and identifying speaker and cabling polarity errors. Current limiting on the output should protect compression drivers and tweeters, although caution should be exercised as with any battery test. Excess cable length may cause slightly higher readings.

The male XLR provides a balanced line level pink noise output for testing speaker cabinets with built in amplifiers. The output signal level is controlled by the level control. There is no polarity test through the line out.

Power is supplied by four AA batteries. Twenty-four or more hours of battery life can be expected under normal use.

A 2.1mm 6VDC power jack is provided for an external "wall wart" power supply. The Whirlwind PS6, rated for 1 Amp at 6VDC is recommended.