

CABLE TESTER

CT100

User's Manual

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ENGLISH



www.behringer.com

1. INTRODUCTION

Congratulations! With the CT100, you have purchased an indispensable tool that enables you to easily check the most common cables used by musicians and sound engineers. Faulty cables are a common cause of failure in live and studio situations. This micro-processor-controlled device was designed to ensure fast, reliable problem location. Various test modes and the included belt clip add to its flexibility.

2. CABLE TESTER MODE

 **Move the ON switch to the CABLE TESTER position.**


Insert one end of your cable into any OUT jack of the CT100. Connect the other end of the cable to any IN jack. The LEDs will indicate which input pins are connected to each output pin. Additionally, the GROUNDED SHIELD LED indicates whether a XLR OUT jack's shield is connected to the pin 1/sleeve signal.

2.1 How to test intermittent connections

The following method allows you to detect intermittent connections caused by wire breaks or faulty solder points. While in CABLE TESTER MODE, press RESET to store the current cable-wiring display and to clear the INTERMITTENT LEDs. Move the cable vigorously in all directions and watch the LEDs. Any change in wiring or break in the signal flow will cause the LED of the corresponding input pin to light up. The LED will stay lit until RESET is pressed again, assuring detection of even the shortest breaks in the signal flow. It is a good idea to repeat the test after resetting the LEDs to double-check the initial results.

3. INSTALLED CABLE TESTER MODE



This mode enables you to test cables in fixed installations or situations that don't allow you to connect both ends of the cable to the CT100.

-  **Hold down the RESET button while moving the ON switch to the CABLE TESTER position. The ON LED will blink to indicate that the CT100 is in INSTALLED CABLE TESTER MODE.**



To test a cable for short circuits, connect one end of the cable to the appropriate OUT jack of the CT100. The display works as in CABLE TESTER MODE (see chapter 2). However, it now indicates connections between out pins. If no LEDs light, the cable is free of short circuits.

3.1 Continuity check in INSTALLED CABLE TESTER MODE

For a continuity check, connect a shorting jack (a jack in which pins are short-circuited to one another) to the other end of the cable. If there are no breaks in the signal flow, the display will show the corresponding pins as being shorted to each other. If the display indicates no short circuit, there is a break in the signal flow.

-  **The testing of intermittent connections works exactly as in CABLE TESTER MODE (see chapter 2.1).**
-  **INSTALLED CABLE TESTER MODE will not indicate connections between out and in pins. This is done in CABLE TESTER MODE (see chapter 2).**

4. TEST TONE MODE

-  **Move the ON switch to the position TEST TONE.**
-  **Do not use the TEST TONE MODE for MIDI cables!**

TEST TONE MODE may be used to check signal flow and to facilitate level adjustments. It routes a test tone to the “+ pin” (pin 2/tip) of all OUT jacks. Use the TEST TONE LEVEL switch to choose between +4 dBu, -10 dBV, or -50 dBV mic level. Please note that this mode is not intended to work as a voltage standard and that battery voltage will affect the test tone output level.

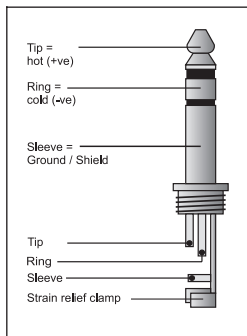
4.1 Selection between 1 kHz and 440 Hz

While in TEST TONE MODE, pressing RESET toggles between 1 kHz and 440 Hz. The TEST TONE LED indicates the selected frequency: On = 1 kHz, Off = 440 Hz.

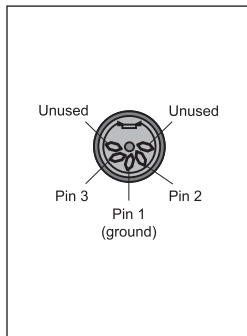
5. PHANTOM POWER DETECT

In TEST TONE MODE, pins 2 and 3 are monitored for external DC voltage (commonly supplied for condenser microphones). The PHANTOM LEDs will light if DC voltage above approx. 9 V is detected.

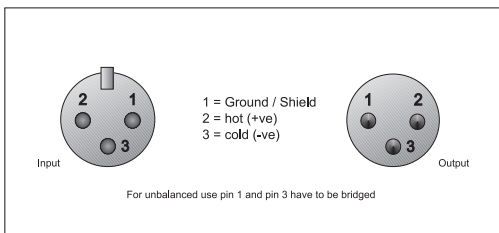
6. WIRING



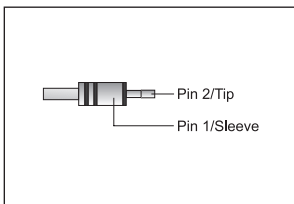
*1/4", TT, 1/8" TRS connectors
(mono or TS connectors also work)*



*MIDI connector
(2 pins unused)*



XLR connectors (pin numbers visible on connectors)



RCA connector

7. WARRANTY

For our current warranty terms, please refer to our website at <http://www.behringer.com>, or send us a request via e-mail at support@behringer.de, fax at +49 2154 920 665, or telephone at +49 2154 920 666.

8. MULTILINGUAL DOCUMENTATION



The following versions of this user's manual can be downloaded free of charge at <http://www.behringer.com>: German, French, Spanish, Italian, Dutch, Finnish, Swedish, Danish, Portuguese and Greek.



CT100の日本語版取扱説明書は<http://www.behringer.com>から無料でダウンロードすることができます。

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