SM Pro Audio

Operational Manual
- CT1 - Cable Tester -

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FOREWORD

Dear pro audio enthusiast, thank you and congratulations for choosing the CT1 Cable Tester from SM Pro Audio.
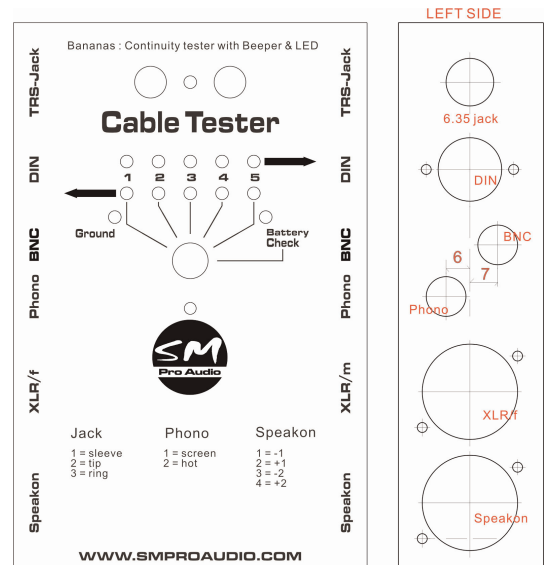
The CT1 Cable Tester is a multi-format cable test unit intended to quickly analyze a cables and connectors operational status.

As with all SM Pro Audio products, in developing the CT1 Cable Tester we paid special attention to achieving optimal performance and functionality whilst maintaining an affordable pricing solution. We know you will enjoy continuing reliability and performance from your CT1.

Regards,
SM ProAudio

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1. INTRODUCTION

We all know how frustrating and time consuming it can be when your audio cables fail. With the CT1 cable testing unit you can now evaluate a large variety of your cables with ease. The CT1 offers many common connectors such as Speakon, XLR, Phono, BNC, DIN, TRS, TS, & Banana. The CT1 allows for testing cables even with different connectors at each end. For example, it is simple to test a TRS to XLR cable. With well illuminated LED indicators and a simple rotary dial, users can quickly establish wether a cable is wired and functioning correctly, or if it is 'dead' and in need of repair.

2. CABLE CONNECTION OPTIONS
2.1 Available connections
- 2 x Speakon connectors are provided which allows testing of up to 4 pin->to pin connections
- 2 x XLR connectors are provided (1 x Male, 1 x Female) which allows testing of up to 3 pin->to pin connections
- 2 x Phono connectors are provided which allows testing of up to 2 pin->to pin connections
- 2 x BNC connectors are provided which allows testing of up to 2 pin->to pin connections
- 2 x 5 pin DIN connectors are provided which allows testing of up to 5 pin->to pin connections
- 2 x TRS connectors are provided which allows testing of up to 3 pin->to pin connections
- 2 x Banana connectors are provided which allows testing of up to 1 pin->to pin connections

3. APPLICATION & OPERATION
3.1 '9 Volt' battery power & battery tester
The CT1 requires power for operation from a standard 9v battery for operation (battery not included). You can check battery performance by simply selecting the rotary selector fully clockwise to the 'Battery Check' position. If the LED indicator illuminates you battery has tested OK. If the LED fails to illumintate your battery is drained of power and requires replacement.

3.2 Battery replacement
There is a well secured battery compartment housed within the CT1 with access provided through a removable metal compartment cover. The battery compatment cover is secured by two (2) screws. Simply unscrew the battery compatment cover to gain access to the battery compartment for battery installation or replacement of expired or power drained batteries.

3.2 General operation proceedure
The basic operation guide for testing cables is to connect one end of your cable to the left hand side connector sockets of the CT1, and the other end of your cable to the right hand side of the CT1. Depending on how many pin to -> pin cable connections are housed within your currently connected cable, simply turn the rotary dial through each position and take note of the LED indicators status (on/off). If the selected pin to -> pin connection is OK, the paired LED's for the appropriate selection will be illuminated. A failed connection status can be observed by taking note of non illumated pairs.

For single pin 1 to ->1 connections there are two (2) banana connections on the front panel permanently wired as a continuity tester with LED and beeper indicators. simply connect each end of your single pin cable to indicate operational status with an illunminated LED and status beep.

3.3 Connector pin assignments

Jack	Phono	Speakon
1=sleeve	1=screen	1= -1
2=tip	2=hot	2= +1
3=ring		3= -2
		4= +2

3.4 LED indicators& rotary dial selector
The rotary dial is where you select cable pin connections for testing. LED's indicate operational status of the selected paired pins.

LED indicator reference
- Illuminated pair of LED's indicates corresponding pins connected successfully.
- Ground LED illuminated indicates short circuit from pin to shell.

4. SPECIFICATIONS

Power Requirement:	9v battery (Battery not included)
Size:	8.9cm (W) x 14cm (L) x 3.7cm (H)

Note: S*pecifications and appearance may differ from those listed or shown.*