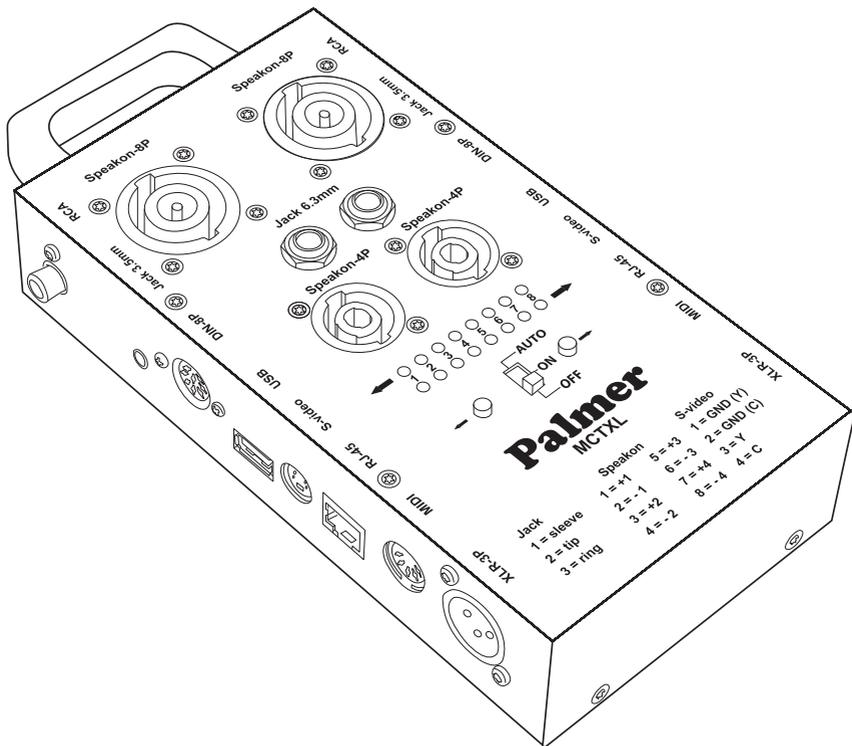




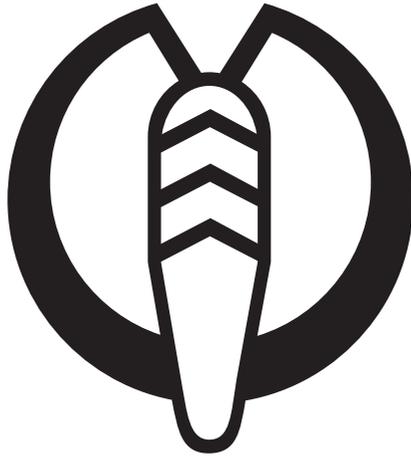
Palmer
audio tools

AHMCTXL

CABLETESTER



USER'S MANUAL
BEDIENUNGSANLEITUNG



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INTRODUCTION

The MCTXL cable tester comes equipped to test a wide range of cables and their connectors. Simply plug in any of following cables and check their functionality:

- 1/8 inch TRS (3,5 mm jack)
- 1/4 inch TRS (6.3mm jack)
- DIN plug
- Cinch (Phono, RCA)
- XLR (microphone cable - male/female)
- Speakon 4 pole
- Speakon 8 pole
- USB
- S-Video
- RJ45 (CAT)
- Midi

GETTING STARTED

INSTALLING THE BATTERY

Locate the battery compartment on the rear side of the tester. The screws can be manually unscrewed. Then install two AA batteries.

CHECKING THE BATTERY

Turn the device on. The first red LED of the LED chain will glow. If this LED lights up strongly the battery is ok. If the LED is only faintly lit, then the batteries are almost empty and should soon be replaced.

PREVENTIVE MEASURES

1. Please read this information carefully.
 2. Keep all information and instructions in a safe place.
 3. Please follow the instructions.
 4. Please observe all warnings. Don't remove safety instructions or any other information located on the device.
 5. Use the device only in the intended manner.
 6. Use only stable and appropriate stands and/or mounts when the device is permanently installed. Make certain that wall brackets are firmly secured. Make certain that the unit is installed securely and cannot fall down.
 7. When installing please observe the corresponding safety standards for your country.
 8. Do not install the device near radiators, heat accumulators, ovens or other sources of heat. Make certain that the device is always installed so that is cooled sufficiently and cannot overheat.
 9. Do not place open sources of ignition, e.g., burning candles, on the device.
 10. Do not cover ventilation slots.
 11. Do not operate the device in the immediate vicinity of water. Do not expose this equipment to combustible materials, liquids or gases.
 12. Please make certain that dripping or splashing water cannot get inside the device. Do not put objects filled with fluids, such as vases or drinking vessels, on top of the device.
 13. Make certain that objects cannot fall into the device.
 14. Use the device only with accessories with which the manufacturer intends the device to be used.
 15. CAUTION: If this device has a mains connector equipped with protective earth, it must be connected to a mains socket with a protective ground connection. Never disable the function of the protective ground connection of the included power cord.
 16. Do not turn on the device immediately if it was exposed to strong temperature fluctuations (for example after transportation). Moisture and condensation may damage the device. Leave the device switched off until it has reached room temperature.
 17. Do not open the device and do not make any changes to the device.
 18. Before connecting to mains power, make certain that the mains voltage and the mains frequency are the same as the operating values of the device (see type label). If the device is equipped with a supply voltage selector switch, make certain that the values of the device match the values of the mains power before connecting.
- If the plug on the included cord does not fit your mains outlet, contact your electrician.
19. Make certain that the power cord is not stepped on. Protect the power cord against pinching, especially at the device plug and the power plug.
 20. In order to prevent damage or accidents, for example, due to tripping hazards, check all connections once you have connected the device.
 21. When connecting the device, make certain that the power plug remains readily accessible.
- Always pull out the power plug when the device is not in use or when you clean the device. Disconnect the

power cord by pulling the plug not the cable.

22. Avoid switching the device on and off at short intervals, because it may shorten the durability of the device.

23. **IMPORTANT:** Replace fuse only by fuse of same type and rating! If fuse blows repeatedly please contact authorized service center!

24. In order to disconnect the device completely from the mains voltage, the power plug must be unplugged.

25. If your device is equipped with a Volex power connector, the matching Volex device plug must be unlocked in order to disconnect it. This also means that a tug on the power cord can pull the device out of place, thus causing personal injuries and/or property damage. Thus please make certain to route your cables carefully.

26. If there is a risk of lightning strike or during extended periods of disuse, unplug the power plug.

27. During transport, make certain that the equipment being transported cannot fall down and possibly cause personal injuries and/or property damage.

28. If your device no longer works properly, if it has been exposed to liquids or an object has fallen inside it or if it has been damaged in some other manner, turn the device off immediately and unplug the power plug. This device should be repaired only by authorized experts.

29. Use only a dry cloth to clean the device.

30. Comply with all of the disposal laws that are applicable in your country. During disposal, please separate plastic and paper/cardboard.

31. Plastic bags must be kept out of the reach of children.



CAUTION

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified personnel.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk to persons.



The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION! HIGH VOLUME!

You will operate this transmission system for professional use. Therefore the commercial use of this equipment is liable to the rules and regulations of the Accident Prevention & Insurance Association of your industry sector. Adam Hall as a manufacturer is bound to inform you formally about the existence of eventual sanitary risks.

Hearing damage, prolonged exposure to excessive SPL, the loudspeaker is easily capable of generating sound pressure levels (SPL) sufficient to cause permanent hearing damage to performers, production crew and audience members. Caution should be taken to avoid prolonged exposure SPL in excess of 90 dB.

THE LED INDICATOR

The following list shows how the various connector wirings are displayed by the unit's LEDs:

¼ INCH TRS (6,3MM STEREO JACK)

LED 1: SLEEVE
LED 2: Tip
LED 3: Ring
LED 4:
LED 5:

DIN PORT

LED 1: Pin 1
LED 2: Pin 2
LED 3: Pin 3
LED 4: Pin 4
LED 5: Pin 5

PHONO (CINCH PORT)

LED 1: Shield
LED 2: Hot
LED 3:
LED 4:
LED 5:

SPEAKON

LED 1: -1
LED 2: +1
LED 3: -2
LED 4: +2

LED 5: +3
LED 6: -3
LED 7: +4
LED 8: -4

XLR

LED 1: Pin1
LED 2: Pin2
LED 3: Pin3
LED 4
LED 5

S-VIDEO

LED 1: GND Y
LED 2: GND C
LED 3: Y
LED 4: C

USB

LED 1: VBUS
LED 2: DLED
3: D+
LED 4: GND

RJ45

LED 1: TX D1+
LED 2: TX D1-
LED 3: RX D2+
LED 4: BI D3+
LED 5: BI D3-
LED 6: RX D2-
LED 7: BI D4+
LED 8: BI D4-

THE TWO MODES “ON” AND “AUTO”

THE MCTXL HAS TWO OPERATING MODES:

ON: this is the manual modus, with the “left –right” buttons you can jump from one connection to the next.

Auto: In the Auto Mode, all the connections will be tested in a sequence. You do not need to press the left right buttons to jump from a connection to the other. This will be done automatically.

TESTING

How to test a standard balanced XLR cable:

On a standard balanced XLR cable the corresponding pins on each end of the cable are directly connected to each other.

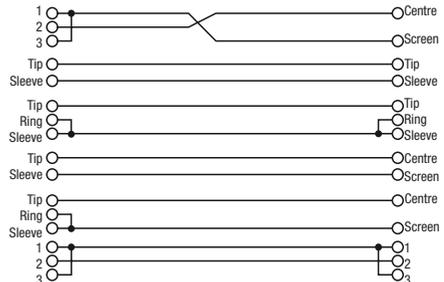
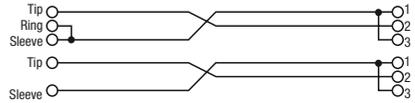
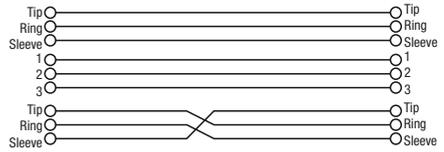
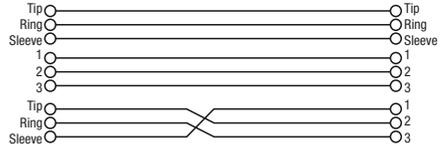
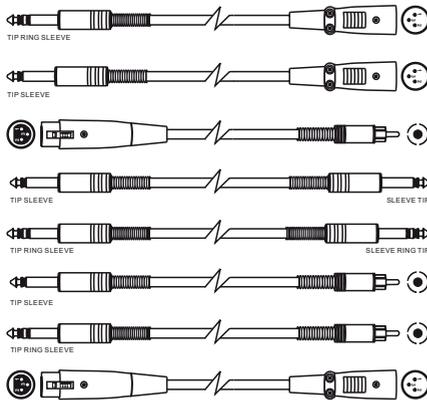
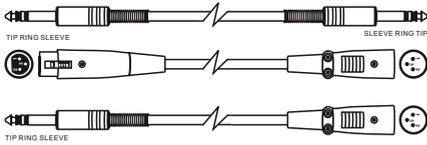
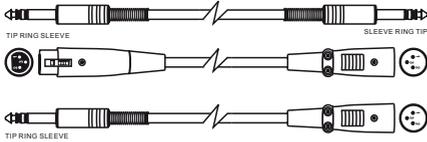
Plug both ends of the cable into the cable tester and turn the switch to the “on” position. If the cable is intact, both the red and green LEDs will light up. This indicates a working connection between pin 1 on one side of the XLR cable and pin 1 on the other side.

Now switch to position 2 and 3 with the “right” button. The respective red and green LEDs should illuminate.

A defective cable is indicated in a number of ways. If, for example, there is no connection between the XLR cable’s number 1 pins, neither of the LEDs in position 1 will illuminate. If there is a short circuit across pins, the first LED in one of the rows will illuminate along with either the second or third LED (or both) in the row above or below. It is also possible to test mixed cables, for example XLR to ¼ inch TRS (jack). Simply plug one end of the cable into

the left side of the tester and the other into the right side. Switch through the various test positions with the left/ right buttons and check the connections. Of course, to be able to evaluate the test results, it is necessary to understand how the pins are connected to each other. The following diagrams illustrate the pin connections of a variety of balanced and unbalanced cables.

THE TWO MODES “ON” AND “AUTO”



LIMITATION OF LIABILITY

If your Adam Hall branded hardware product fails to work as warranted above, your sole and exclusive remedy shall be repair or replacement. Adam Halls' maximum liability under this limited warranty is expressly limited to the lesser of the price you have paid for the product or the cost of repair or replacement of any hardware components that malfunction in conditions of normal use.

Adam Hall is not liable for any damages caused by the product or the failure of the product, including any lost profits or savings or special, incidental, or consequential damages. Adam Hall is not liable for any claim made by a third party or made by you for a third party.

This limitation of liability applies whether damages are sought, or claims are made, under this Limited Warranty or as a tort claim (including negligence and strict product liability), a contract claim, or any other claim. This limitation of liability cannot be waived or amended by any person. This limitation of liability will be effective even if you have advised Adam Hall of an authorized representative of Adam Hall of the possibility of any such damages. This limitation of liability however, will not apply to claims for personal injury.

This Limited Warranty gives you specific legal rights. You may also have other rights that may vary from state to state or from country to country. You are advised to consult applicable state or country laws for a full determination of your rights.

REQUESTING WARRANTY-SERVICE

To request warranty service for the product, contact Adam Hall or the Adam Hall authorized reseller from which you purchased the product.

EC DECLARATION OF CONFORMITY

These devices meet the essential requirements and further relevant specifications of Directives 2004/108/EC (EMC) and 2006/95/EC (LVD). For more information, see www.adamhall.com.



CORRECT DISPOSAL OF THIS PRODUCT (ELECTRICAL WASTE)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details on where and how they can recycle this item in an environmentally friendly manner. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

 **WEEE-DECLARATION**

Your LD-Systems product was developed and manufactured with high quality materials and components which can be recycled and/or reused. This symbol indicates that electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime.

Please dispose of this product by bringing it to your local collection point or recycling centre for such equipment. This will help to protect the environment in which we all live.

 **BATTERIES AND ACCUMULATORS**

The supplied batteries or rechargeable batteries can be recycled. Please dispose of them as special waste or return them to your specialist dealer. In order to protect the environment, only dispose exhausted batteries.

LIMITED WARRANTY

This Limited Warranty applies to all products distributed through Adam Hall.

The statutory warranty rights towards the seller are not affected by this guarantee. In fact, it justifies, additional independent warranty claims towards Adam Hall.

Adam Hall warrants that the Adam Hall product you have purchased from Adam Hall or from an Adam Hall authorized reseller is free from defects in materials or workmanship under normal use for a period of 2 or 3 years from the date of purchase.

The Limited Warranty Period starts on the date of purchase. In order to receive warranty services you are required to provide proof of the purchase date. Your dated sales or delivery receipt, showing the date of purchase, is your proof of the purchase date. Should products of the brands named above be in need of repair within the limited warranty period, you are entitled to warranty services according to the terms and conditions stated in this document .

This Limited Warranty extends only to the original purchaser of this Adam Hall branded product and is not transferable to anyone, who obtains ownership of the Adam Hall branded product from the original purchaser. During the Limited Warranty Period, Adam Hall will repair or replace the defective component parts or the product. All component parts or hardware products removed under this Limited Warranty become the property of Adam Hall.

In the unlikely event that your Adam Hall product has a recurring failure, Adam Hall, at its discretion, may elect to provide you with a replacement unit of Adam Hall's choice that is at least equivalent to your Adam Hall branded product in hardware performance.

Adam Hall does not warrant that the operation of this product will be uninterrupted or error-free. Adam Hall is not responsible for damage that occurs as a result of your failure to follow the instructions included with the Adam Hall branded product. This Limited Warranty does not apply, - to wear parts (e.g. accumulator) - to any product from which the serial number has been removed or that has been damaged or rendered defective as the result of an accident - in case of, misuse, abuse, or other external causes

- by operation outside the usage parameters stated in the user's documentation shipped with the product
- by use of spare parts not manufactured or sold by Adam Hall
- by modification or service by anyone other than Adam Hall

These terms and conditions constitute the complete and exclusive warranty agreement between you and Adam Hall regarding the Adam Hall branded product you have purchased.



WWW.PALMER-GERMANY.COM

Palmer is a brand of the Adam Hall GmbH

Adam Hall GmbH

Daimlerstrasse 9 · 61267 Neu-Anspach · Germany

Fon: (+49) 6081 / 94 19 - 0 · Fax: (+49) 6081 / 94 19 - 1000

www.adamhall.com

