

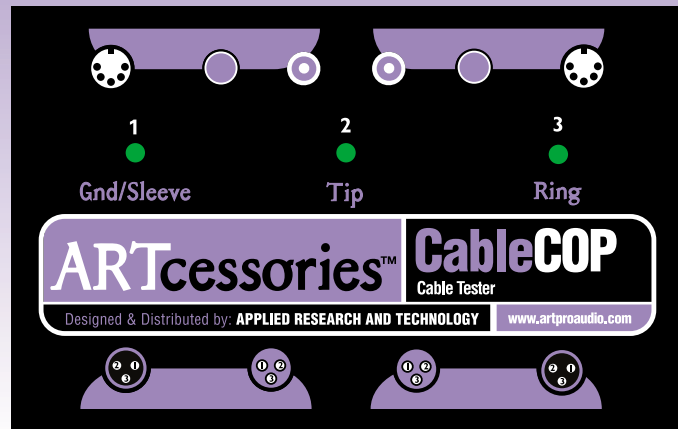
ARTcessories™

Creative audio solutions in cool little boxes.

September 2002

CableCOP

Cable Tester



Facts About Testing Cables:

There are several types of cables used widely in pro audio – mic cables and patch cords with 2 or 3 conductors, instrument cables with 2 conductors, basic speaker cables with 2 conductors and MIDI cables comprised of DIN5 connectors using 2 conductors. The CableCOP features a full selection of standard pro audio connectors for testing all such cables. LEDs on the CableCOP link its various connector terminals and will only illuminate when the connected 'cable' completes a circuit. As a result you're able to tell, at a glance, which cables need to be repaired. Sometimes the problem can be the cable itself. An LED may also fail to illuminate if a 3-conductor cable has been wired out-of-phase. As an example, if the Tip of one 1/4" TRS plug on a (balanced) patch cable were soldered to the same cable conductor as the Ring or Sleeve of the other 1/4" inch TRS plug.

Usage:

1. Plug each end of the cable into the appropriate connector on the CableCOP.
2. Check the LEDs.
3. If no LEDs illuminate, either the cable is totally non-functional or the battery is dead.
4. If only the left LED illuminates and it's a 2-conductor cable, the cable has an open tip connection in one or both of the plugs. If it is a 3-conductor cable, the tip and ring on a 1/4" TRS plug, pins 2 and 3 on an XLR, pin number 5 on a DIN5 connector, it needs soldering.
5. If only the middle LED illuminates and it's a 2-conductor cable, one or both ground connections need soldering on 1/4" or RCA plugs. If it is a 3-conductor cable, the ground and ring on a TRS, or pins 1 and 3 on an XLR may need soldering.
6. If only the right LED illuminates and it is a 3-conductor cable (this LED should never illuminate with a 2-conductor cable), the tip and sleeve of a 1/4" TRS, or pins 1 & 2 on an XLR, or pin 4 on a DIN5 plug needs soldering.
7. If both the left and center LEDs illuminate and it's a 2-conductor cable, it's OK. If it's a 3-conductor cable, you have two leads wired out-of-phase. They would be tip and ring in a 1/4" TRS plug, or pin 2 and 3 in an XLR.
8. If all 3 LEDs illuminate with a 3-conductor cable, it's OK.

Specifications:

- Power: 9V battery (included) or optional power adapter.
- Dimensions: 4.25 x 3 x 1.5 inches (180 mm x 76 mm x 40 mm)
- Weight: 1 lb (454 g)
- The CableCOP helps to test all basic types of cables quickly and easily, even with a combination of different ends.
- Connectors include Male and Female XLR, 1/4" balanced/unbalanced, RCA and MIDI.
- The Left LED indicates pin 1 on Male or Female XLRs, Sleeve (ground) on TRS 1/4" plugs, ground on RCA plugs or pin 4 on DIN5 (MIDI) plugs.
- The middle LED indicates pin 2 on male or female XLRs or the tip on 1/4" or RCA plugs.
- The right LED indicates pin 3 on male or female XLRs, pin 5 on DIN5 (MIDI) plugs or the ring on TRS 1/4" plugs.

TEST	LEDs
RCA	1 & 2
1/4 INCH	1 & 2
1/4 INCH TRS	1, 2 & 3
XLR	1, 2 & 3
MIDI	1 & 2



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