

# UNIVERSAL CABLE TESTER

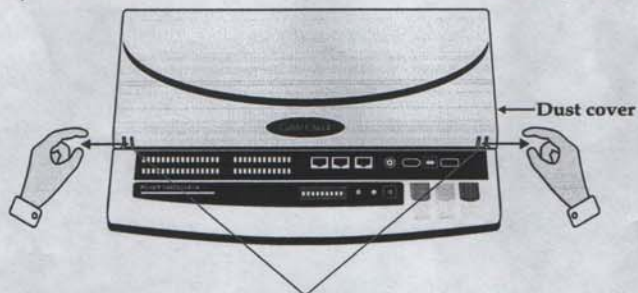
## FOR PC-NET/SCSI/RIBBON CABLES



**PR-09 UNIVERSAL**  
TESTS UP TO 80 PINS



**PR-09 PC-NET**  
TESTS UP TO 36 PINS



### OPENING THE DUST COVER

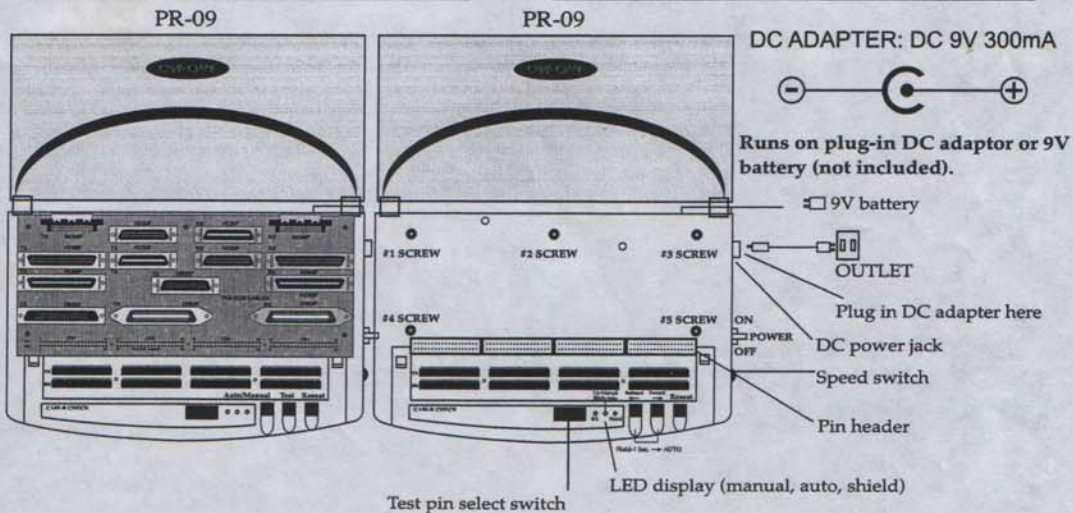
**OPEN**

Push in the locking tabs and lift the dust cover.

**CLOSE**

Gently press the dust cover down until the tabs lock with the main housing.

1. To remove socket board, unscrew the 5 screws holding it to the main housing, then gently lift the main socket out of the pin header.
2. To install socket board, gently press the socket into the pin header, then screw in the 5 screws holding it to the main housing.



## PC-NET CABLE TESTER

PR-09PCU  
PR-09PCS  
PR-09PCD  
PR-09PCF

### USER MANUAL

#### DESCRIPTION:

The PC-NET Cable Tester is a portable, stand-alone unit that provides an affordable way to quickly test PC, Network, Telco, Coax, USB and IEEE1394 cables for continuity and wiring configuration for any combination. Open, shorts, miswires and cross-connected wires are detected immediately. The tester is suitable for use by computer dealers and computer hardware outlets.

#### FEATURES:

1. Tests continuity and wiring configuration.
2. Detects opens, shorts, miswires and cross-connected wire.
3. Auto, manual, reset switches for auto and manual scanning.
4. Test-pin selector to save time.
5. With speed switch to adjust scan speed.
6. Tests shielding.
7. Operate on 9V battery or DC power adapter.
8. Equipped with a cover for dust protection to protect connectors from dust and damage.

#### OPERATION:

1. Install one 9V battery. Battery cover is on the bottom of the tester. Or use DC 9-12V/100mA ↑ power adapter, insert the plug in the DC jack on the right side of the tester. The center pole of the DC jack is positive; the outer sheath is negative.
2. Open the dust cover by pressing in the 2 locking tabs on the right and left of the dust cover's front edge. (See picture)
3. Using the blue dip switch, set the number of pins you want the tester to check. (If one end of the cable has fewer pins, set the tester to check as many pins as that end of the cable has). Push that switch into the up or "ON" position. Do not put more than one switch in the on position. (See illustration)
4. Connect one end of the test cable to a transmission socket (TX) and the other end to a reception socket (RX).  
If one of the cable's connectors has fewer pins than the other, connect it to the transmission socket. (TX)

- \* **Warning: Do not (A) connect both ends of the test cable to transmission sockets(TX).  
(B) connect both ends of the test cable to reception sockets(RX).**

- \* **Doing either will produce an inaccurate test and may damage the tester.**

5. Switch the power switch on the right edge of the tester to the "ON" position (toward the back of the tester). The LED indicator on the face of the tester will light up.
6. If the red lights are moving, the tester is in automatic mode. Press the green "Auto/Manual" button to switch to manual mode.
7. Press the red "Reset" button to return the lights to pin 1. You are ready to start the test.
8. Select manual or automatic mode using the green "Auto/Manual" button.
  - **Automatic Mode:**  
The LED lights will move from pin 1 to the maximum pin number set on the blue dip switch. You can adjust the speed of the LED lights using the dial on the right edge of the tester.
  - **Manual Mode:**  
The LED lights will advance by one pin each time you press the yellow "Test" button.

9. When the TX-PIN 1 LED is lit, the LED light in the RX row will indicate which pin in the connector at the reception socket connects to pin 1 in the connector at the transmission socket, and likewise when TX-PIN 2 is lit, and so on. (In most cables, TX1 connects to RX1, TX2 to RX2, and so on, but in some cables this is not the case. To accurately test a cable, you must know the correct wiring configuration of its pin-to-pin wiring.)
10. When testing a shielded cable, the red "shield" indicator light will come on unless there is a problem with the shield.

**REMARKS:**

1. This cable tester can not tell you which end of the cable has a problem.
2. The tester will always send a signal from TX to RX, advancing in order through the pins at TX and lighting up the RX LED according to which pin receives the signal from TX. The RX lights indicate the state of the cable being tested; if one of the TX lights within the range set by the dip switch does not light up, then the LED is damaged.
3. The battery may be low if: a) the LED light is dim, or b) the tester tests all pins, regardless of a setting on the pin selector switch instructing the tester to test a limited number of pins. Change the battery to avoid inaccurate test readings.

**PC-NET CABLE TESTER INTERFACE CONNECTORS**

**PR-09PCU**

TX	RX
Centronics 36F	Centronics 36F
DB25M	DB25M
DB25F	DB25F
DB15M	DB15M
DB15F	DB15F
HDB15M	HDB15M
HDB15F	HDB15F
DB9M	DB9M
DB9F	DB9F
BNC F	BNC F
RJ45F	RJ45F
RT48F	RJ48F
USB A F	USB A F
USB B F	USB B F
1394 6PIN F	1394 6PIN F

**PR-09PCS**

TX	RX
Centronics 36F	Centronics 36F
DB25M	DB25M
DB25F	DB25F
DB15M	DB15M
DB15F	DB15F
HDB15M	HDB15M
HDB15F	HDB15F
DB9M	DB9M
DB9F	DB9F
BNC F	BNC F
RJ45F	RJ45F
SERIAL ATA	SERIAL ATA
USB A F	USB A F
USB B F	USB B F
1394 6PIN F	1394 6PIN F
1394 4PIN F	1394 4PIN F

**PR-09PCD**

TX	RX
Centronics 36F	Centronics 36F
DB25M	DB25M
DB25F	DB25F
DB15M	DB15M
DB15F	DB15F
HDB15M	HDB15M
HDB15F	HDB15F
DB9M	DB9M
DB9F	DB9F
BNC F	BNC F
RJ45F	RJ45F
MINI DIN 6 F	MINI DIN 6 F
DIN 5 F	MINI DIN 6 M
USB A F	USB A F
USB B F	USB B F
1394 6PIN F	1394 6PIN F
1394 4PIN F	1394 4PIN F

**PR-09PCF**

TX	RX
Centronics 36F	Centronics 36F
DB25M	DB25M
DB25F	DB25F
DB15M	DB15M
DB15F	DB15F
HDB15M	HDB15M
HDB15F	HDB15F
DB9M	DB9M
DB9F	DB9F
BNC F	BNC F
RJ45F	RJ45F
MINI DIN 6 F	MINI DIN 6 F
DIN 5 F	MINI DIN 6 M
USB AF	USB AF
USB BF	USB BF
1394 6PIN F	1394 6PIN F
1394 4PIN F	1394 4PIN F
MINI USB A4P F	MINI USB AB5P F
MINI USB B5P F	