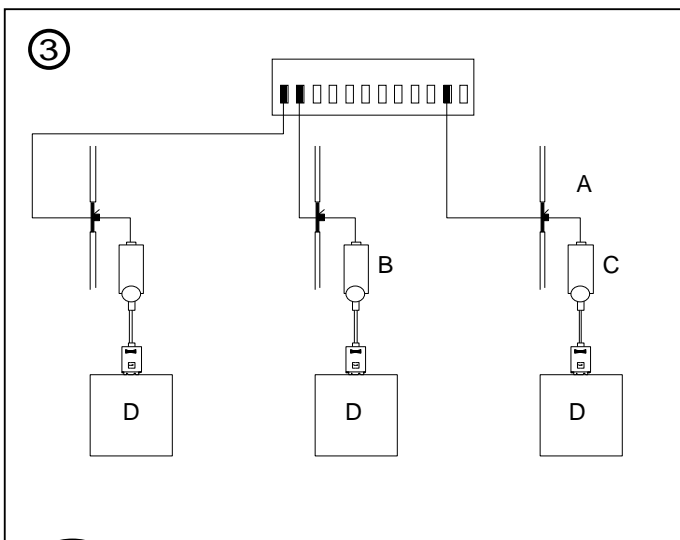
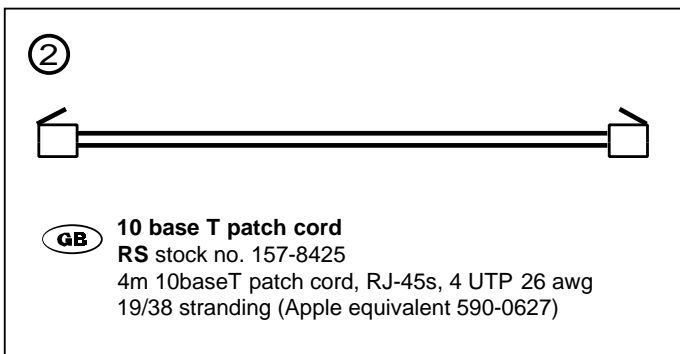
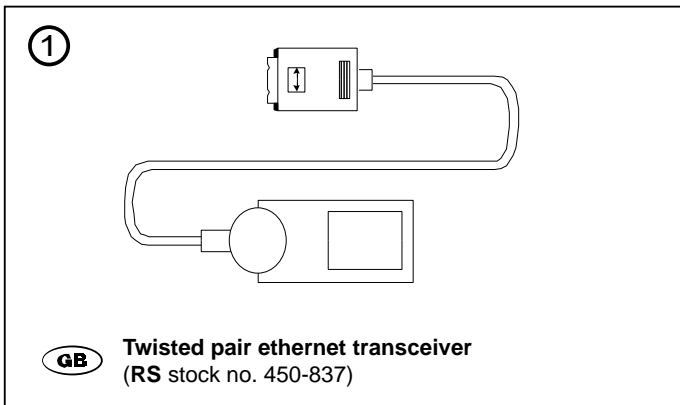




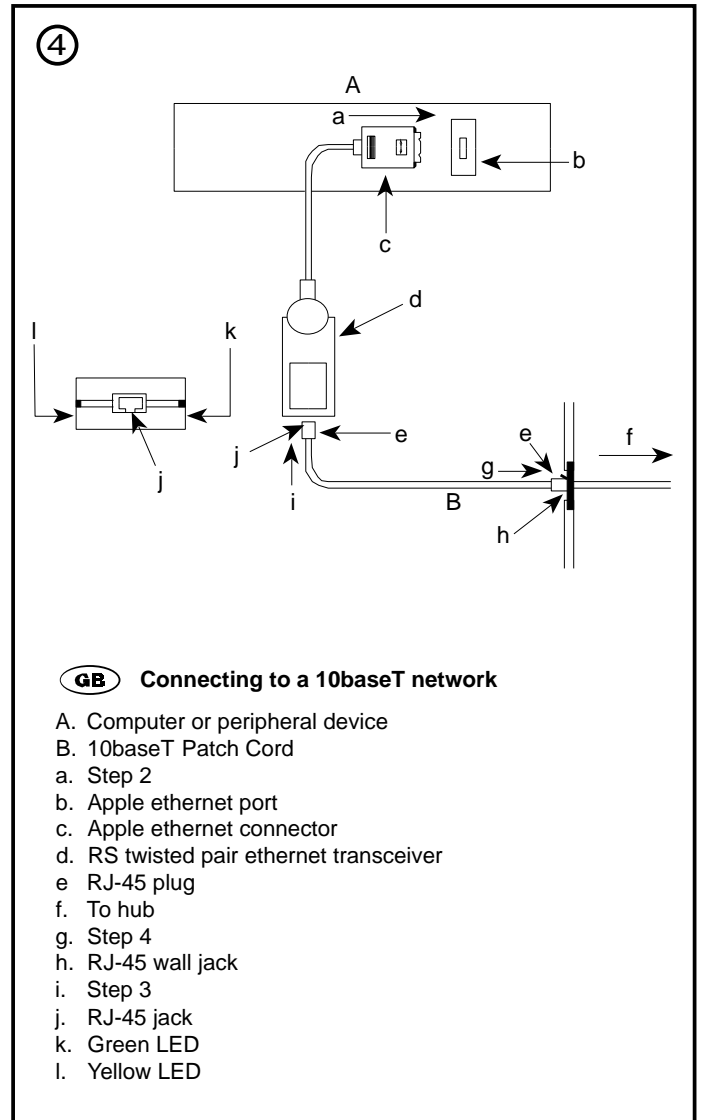
Twisted Pair Ethernet Transceiver **GB**

Instruction Leaflet

Figures



- A. RJ-45 (8-pin telephone style connector) wall jack
(see RS stock no. 406-436)
- B. 10baseT patch cord
- C. RS twisted pair ethernet transceiver
- D. Computer or peripheral
- E. IEEE 802.3 10baseT hub





Introduction

The twisted pair ethernet transceiver is IEEE 802.3 10baseT compliant and Apple® (M0437) equivalent, allowing connection of an Apple computer or peripheral device, equipped with an Apple ethernet port, to an unshielded twisted pair (UTP) ethernet network (see figure 1).

The 10baseT patch cords are available separately (see figure 2)

Features

- 10 megabits-per-second data rate over 100 unshielded twisted pair (telephone) wiring.
- 100m maximum cable length.
- LEDs indicating network link integrity and data activity.

IEEE 802.3 10baseT twisted pair network configuration

10baseT ethernet networks are configured in a star topology, using unshielded twisted pair cabling to connect the transceiver from a computer or peripheral device to a central distribution hub (see figure 3. The hub then distributes signals to the devices connected to it.

Connecting to a 10baseT twisted pair ethernet network

Your twisted pair ethernet transceiver allows you to connect your Apple computer or peripheral device to a 10baseT network through the Apple ethernet port (see figure 4).

An Apple ethernet port can be obtained by installing an Apple ethernet NB card, an Apple ethernet LC card, or a third party card that has an Apple ethernet port. Apple are also integrating the ethernet port into some of their computers and peripheral devices. The transceiver will then plug directly into the ethernet port on the back of the device, eliminating the need for an ethernet card. Apple have already integrated the ethernet port into the Macintosh Centris 610 and 650 computers, Macintosh Quadra® 700, 800, 900 and 950 computers, the LaserWriter™ IIg and Pro 603 printers.

Connecting a device to a Network

Step

1. Turn the device OFF that you are connecting to the network.
2. Plug the Apple ethernet connector on your twisted pair ethernet transceiver into the Apple ethernet port on your computer or peripheral device (see figure 4, step 2).
3. Plug the RJ-45 connector from one end of the 10baseT patch cord into the RJ-45 jack on the transceiver (see figure 4, step 3).
4. Plug the RJ-45 connector from the other end of the 10baseT patch cord into the RJ-45 wall jack in your work space that is connected to the network hub (see figure 4, step 4).

Note: You cannot connect two devices directly to one another via a transceiver and patch cord, a network hub must be used.

5. Turn ON your device.
6. To verify that the transceiver is properly connected to the network hub, check the green LED on the transceiver to the right of the RJ-45 connector jack, it should be illuminated (see figure 4). The yellow LED on the transceiver to the left of the RJ-45 connector jack will illuminate when the transceiver is sending or receiving data.

FCC warning

This equipment has been tested and found to comply with the limits for a class A computing device, in accordance with part 15 subpart J of the FCC rules. These limits are designed to provide reasonable protection against radio frequency interference when operated in a commercial environment. Operation of this equipment if it is not installed and used in accordance with this user's manual, may cause radio frequency interference. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at their own expense, will be required to correct the interference.

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