

WorkGroup Repeaters

These repeaters boost the distance of your Ethernet network—and join mismatched media.



FEATURES

- » Achieve distances of up to 1.2 miles (1.9 km) over fiber.
- » Compatible with most popular network types, including FOIRL and 10BASE-FL.
- » Autopartitioning.
- » BNC Repeaters feature an internal terminator so no "T" connector is needed.
- » RJ-45 Repeaters (for UTP segments) detect and correct reversed polarity.
- » Autosensing power supply can be used worldwide.

OVERVIEW

WorkGroup Repeaters add distance to your Ethernet LAN. For example, you can add 1.2 miles (1.9 km) between coax or twisted-pair segments by using two repeaters with fiberoptic connectors and fiber cable.

And you can connect any two Ethernet segments: IEEE 802.3, 10BASE5, 10BASE2, 10BASE-T, FOIRL, and 10BASE-FL.

An internal autosensing power supply automatically adjusts to both domestic and international power sources.

BNC ports are equipped with an internal terminator so you don't need to supply a separate "T" connector.

RJ-45 (UTP) ports have an uplink switch so no crossover cable is needed.

LEDs keep you up to date on segment status and help you troubleshoot. **WorkGroup Repeaters** are equipped with diagnostic LEDs to make troubleshooting easy. Status LEDs are on the front panel for easy viewing. Port-specific LEDs are on the rear so you can view LINK and ACTIVITY right where the connections are.

An autopartitioning feature isolates link failures and keeps them from affecting the rest of the network. When the repeater detects a problem, it shuts down the failed link. It reactivates the connection as soon as the problem is fixed.

To keep your data safe, the repeaters also provide 100% collision detection, data retiming, and automatic preamble regeneration.

Because there are no hardware or software changes to make, installation takes just minutes, too. Just plug in the segment connectors, and you're ready to go.

NOTE: WorkGroup Repeaters are no longer available with the older SMA connectors. If you require SMA connections, contact Technical Support.

TECH SPECS

Compliances — UL® 478, 1012, 1950; CSA 22.2 No. 234,950; VDE 0805; IEC 950; FCC Class B

Switching Frequency — 35 KHz

Connectors — Fiberoptic: SC or ST;

ThinNet: BNC for RG58 coax cable;

10BASE-T: RJ-45 female;

Standard Ethernet: DB15 F

Indicators — Each unit has (3) LEDs (Power, Activity, and Collision) plus

(2) for Partition (one per segment); Repeaters with FO or UTP ports have

(1) Link LED per FO or UTP connector

Power — 100 to 240 VAC, 50 to 60 Hz, 1A, 12 watts maximum, internal autosensing power supply

Size — 1.2"H x 3.8"W x 7.5"D (3 x 9.7 x 19.1 cm)

Weight — 1.8 lb. (0.8 kg) with power module

| Item | Code |
|---------------------|------------|
| WorkGroup Repeaters | |
| BNC/BNC | LE4200A-R3 |
| BNC/UTP | LE4205A-R3 |
| AUI/BNC | LE4201A-R3 |
| AUI/AUI | LE4202A-R3 |
| AUI/UTP | LE4206A-R3 |
| Fiber/BNC | LE4203A-R3 |
| ST | LE4203A-SC |
| SC | LE4204A-R3 |
| Fiber/AUI | LE4207A-R3 |
| Fiber/Fiber | LE4207A-SC |
| ST/ST | LE4208A-R3 |
| SC/SC | LE4208A-SC |
| Fiber/UTP | LE4208A-R3 |
| ST | LE4208A-SC |
| SC | LE4209A-R3 |
| UTP/UTP | LE4209A-R3 |

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognize any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

According to a survey by *Data Communications* magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and support contract, the technical support and service they receive falls far short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting just the right component for your application.

Don't waste time and money—call Black Box today.