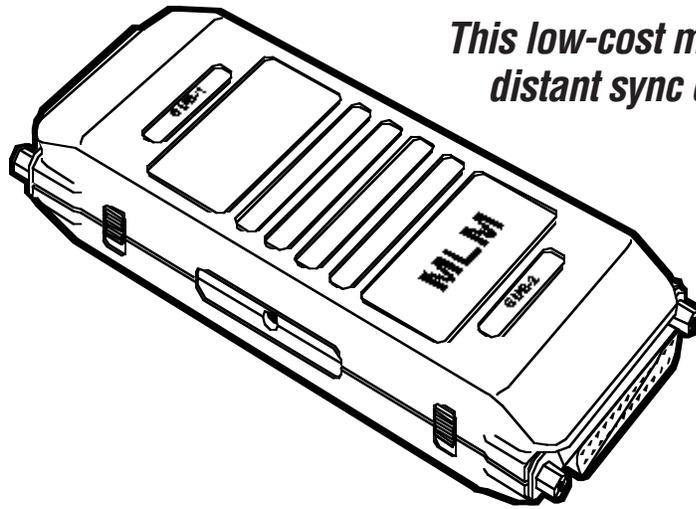




BLACK BOX[®]

NETWORK SERVICES

MINIATURE LOCAL MUX



This low-cost mux lets you serve two distant sync or async terminals.

Key Features

- ▶ **Two ports, low cost—just right for small expansion jobs.**
- ▶ **Speeds up to 19.2 kbps, and distances up to 2.5 miles, over 24 AWG wire.**
- ▶ **Sync or async—one pair of Muxes fit any application. No need for extra equipment.**
- ▶ **Compact, nonpowered, ideal for close quarters or where there's no AC outlet.**
- ▶ **Transformer isolation keeps harmful voltage spikes away from your data.**

Add two isolated terminals—Async or sync—to your mainframe computer, with Miniature Local Mux. This unit multiplexes two channels over a single 4-wire twisted-pair cable. You cut equipment and installation costs.

Transfers synchronous data at speeds up to 19.2 kbps over 24 AWG cable, and distances up to 4 km (2.5 miles). Async data travels up to 2 km (1.2 miles) at 9600 bps.

Single-speed strap selection means you get a 50/50 split of two full-duplex subchannels for simultaneous operation over one composite line. In async mode, each subchannel is transparent to data format.

See the Specifications for more details. And remember that your effective distance and speeds may depend on your wire gauge.

Works in sync or async applications. You don't have to buy separate pairs of sync-only or async-only muxes. One pair of these Muxes can be used in either application.

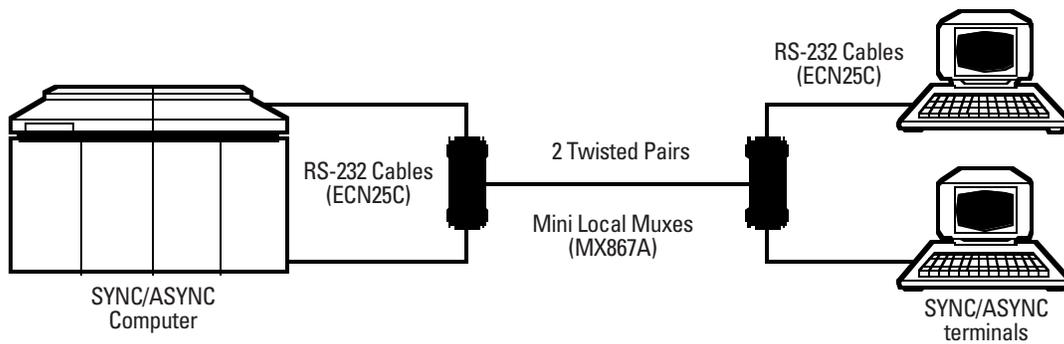
Use them now to link sync terminals. Later, if you switch to async devices or find that you need to link async equipment, just swap the Muxes into the new environment.

Just plug them in. There's no software to configure, and just one jumper and one switch to set. These units are truly flexible. Use them whenever or wherever you need them.

Small, nonpowered, powerful. This Mux draws its power from the RS-232 data and control pins. It doesn't require an AC power source. So it's small (fits in the palm of your hand), and it costs less than a powered unit.

Small enough to fit behind a desk or even in the most cramped wiring closet. And since this Mux requires no AC power source, you don't have to install it near a wall outlet. Use it where it's most convenient for you.

Isolation transformer built into this unit guards it from electrical spikes up to 1500 V RMS.



Specifications

Multiplexor Technique:

Time division

User Channels: 2

Protocol: Sync or async

Data Format: Sync or async;
full duplex

Speed: Subchannel:

Sync: up to 19.2 kbps;
Async: up to 9600 bps;
Composite: 38.4 kbps

Maximum Distance:

Sync: 2.5 mi. (4 km) at 19.2 kbps
over 24 AWG wire;
Async: 1.2 mi. (2 km) at 9600 bps
over 24 AWG wire

Flow Control: None

Clock: Internal

Interface: RS-232C/V.24, DCE

Connectors:

Subchannel: (2) DB25 female;
Composite: (1) 4-screw
terminal block

Power: From the RS-232 data and
control signals (Pins 4 and 20)

Size: 3H x 5.6W x 13.7D cm
(1.2"H x 2.2"W x 5.4"D)

Weight: 0.2 kg (0.4 lb.)

NOTE: The Miniature Local Mux has an integral short-haul modem that uses an internal clock. It will not operate in applications that require slaving to an external clock.

Setting the baud rate at higher speeds for async transmission allows more sampling per bit and minimizes the timing distortion.

This unit must be used in pairs.

Ordering Information

ITEM

CODE

Miniature Local MultiplexorMX867A



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.