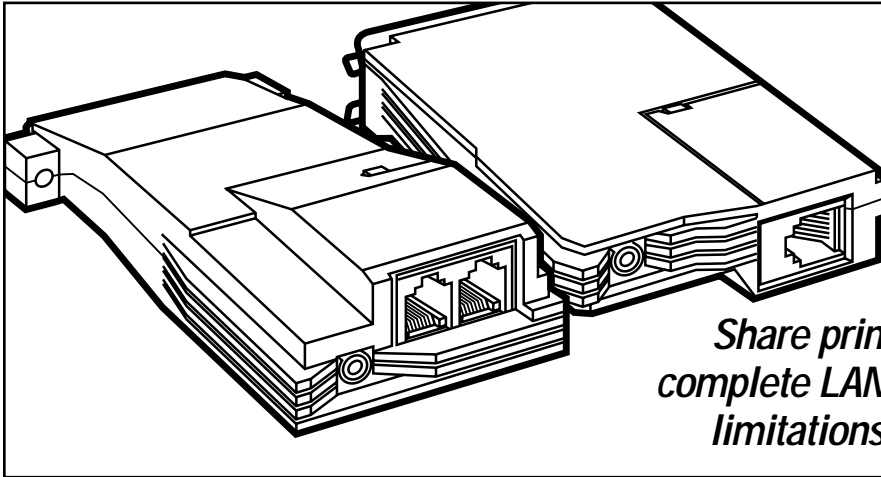




# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### PARALLEL MULTIPOINT ARBITRATOR



*Share printers without setting up a complete LAN—and without the distance limitations of parallel connections.*

#### Key Features

- ▶ **Share up to 8 parallel printers among 24 PCs.**
- ▶ **Install a transmitter on each PC and a receiver on your printer. Connect them with RJ-11 cable.**
- ▶ **Drive data up to 500 feet. Add the optional power supply to send up to 1200 feet.**
- ▶ **Use in bus, star, or tree topology.**
- ▶ **Simple software commands for choosing printers.**
- ▶ **Speeds up to 22 kbps.**
- ▶ **No external power supply required.**
- ▶ **Extra transmitters and receivers available.**

Share up to 24 PCs and eight Centronics printers by means of inexpensive 4-wire telephone lines with the Parallel Multipoint Arbitrator Kit. Do all this without having to set up a full-scale LAN, run a number of cables, and face the distance limitations of parallel connections.

With no external power supplies, the arbitrator delivers speeds up to 22 kbps and distances up to 152.4 m in small office networks.

Want more distance? Then simply add the optional 1-Amp Power Supply for Receiver (36588). It enables you to drive data up to 365.8 m and ensure reliable printing in electrically noisy network environments.

In addition to speed and distance, the Parallel Multipoint Arbitrator offers versatility. It's suitable for all user levels and can be used with printers arranged in either a bus, star, or tree topology. The kit's devices eliminate printer backups because different

printers can print at the same time. All printing is done on a first-come, first-served basis. Directing a print job to a specific printer is a matter of simply entering a few software ASCII codes. Set the Arbitrator on Auto and your job will print to the first available printer.

The kit connects two PCs and one printer. It comes with two transmitters (which attach to your PC's Centronics port) and one receiver (which connects to your printer's parallel port).

The transmitter acts as your PC's printer-port extender, connecting to the PC's printer output port via a DB25 male connector and to the receiver via phone lines up to 2000 feet (610 m). The transmitter receives print jobs from the Centronics port and sends them to the receiver, which in turn passes them on to the printer.

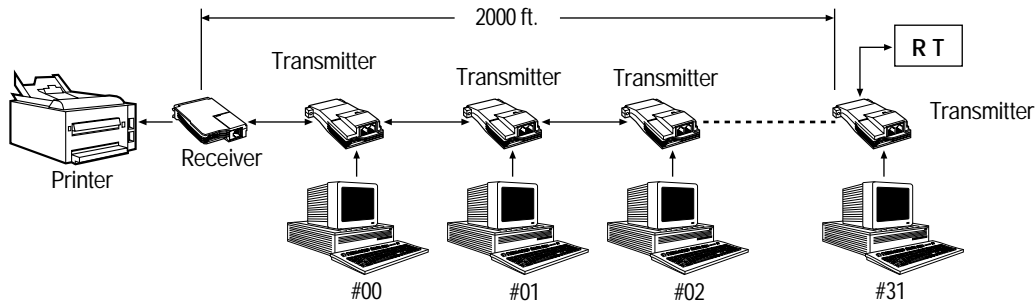
The receiver, which you configure via DIP switches, works with up to 32 transmitters

attached to PCs on your printer-sharing network. Although it can receive data from any of the 32 personal computers, only one PC can transmit data at any given time. While the printer is on-line, any computer may start to submit files to the printer, and whichever computer sends the file first gets total control of the printer. Other users can't use the printer until the first user finishes printing.

In addition to the transmitters and receiver, the kit includes two 7.6-m RJ-11 4-wire telephone cables.

You can also order an extra transmitter (519102-R2) or receiver (36428), both of which come with a single 25-ft length of RJ-11 phone cable. Be sure to order a transmitter for each additional PC in your print-sharing network. Depending on the number of users you want to attach, you can daisychain up to 24 transmitters per a configuration.

# Parallel Multiport Arbitrator Application



**Up to 32 PCs can share the same printer at speeds up to 250 kbps and distances up to 2000 feet (610 m).**

## Specifications

### Transmitter:

Communication Distance: Up to 2000 ft. (610 m)

Connector to PC: (1) Centronics DB25 male

Bus Connector: (2) RJ-11 female

Indicators: LED: (1) Power ON

Communication Speed: 250 kbps (22 kbps maximum)

Maximum Current Consumption: 65 mA

Terminator Resistor: 120 ohms

Operating Temperature: 5 to 40°C

Humidity Tolerance: Up to 80%

Power: 9 VDC, 200 mA

Size: 2.8 x 5.3 x 8.1 cm

Weight: 0.07 kg

### Receiver:

Communication Distance: Up to 610 m

Maximum Number of Devices on Bus: 32

Connector to Printer: (1) 36-pin Centronics male

Bus Connector: (1) RJ-11 female

Input Arbitration: First-come, first-served

Timeout Period: 10 or 25 seconds

Form-Feed Selection: Enable, Disable

Communications Speed: 250 kbps (22 kbps maximum)

Maximum Current Consumption: 65 mA

Terminator Resistor: 120 ohms

Operating Temperature: 5 to 40°C

Humidity Tolerance: Up to 80%

Size: 2 x 5.8 x 7.4 cm

Weight: 0.07 kg

## Package Includes

- (1) Receiver
- (2) Transmitters
- 9-VDC Power Supply
- (2) 25-ft. RJ-11 4-Wire Telephone Cables
- Users' manual

## Ordering Information

ITEM	CODE
Parallel Multiport Arbitrator Kit with (2) Transmitters, (1) Receiver, 9-VDC Power Supply, (2) 25-ft. RJ-11 4-Wire Telephone Cables.....	36424-R2
<i>Order (1) transmitter for each additional PC...</i>	
Transmitter and (1) 25-ft. RJ-11 4-Wire Telephone Cable.....	519102-R2
<i>...or order a receiver for an additional printer:</i>	
Receiver and (1) 25-ft. RJ-11 4-Wire Telephone Cable .....	36428
<i>To transmit more than 500 feet (125 m) or to use in an electronically noisy environment, order...</i>	
1-Amp Power Supply for Receiver.....	36588
<i>If you need additional cable, order...</i>	
RJ-11 4-Wire Modular Cable, Straight-Pinned, 7-ft. (2.1-m).....	EL04MS-07



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