



## Overview

The LocalTalk™ Cabling System is a reliable, user-configurable cabling option for linking computers and peripheral devices in an AppleTalk® Network System. When used with the AppleShare™ file server, it gives you efficient access to information from other users' computers, and allows you to share peripherals

such as the Apple® LaserWriter® printer cost-effectively.

Unlike traditional networking systems, LocalTalk requires no complicated installation procedures. Because LocalTalk capability is already built into every Macintosh® and Apple IIGS® computer, and the LaserWriter printer, you can set up a LocalTalk Cabling System in minutes.

You can also connect IBM PCs and other MS-DOS-compatible systems to LocalTalk, using the AppleTalk PC Card.

The LocalTalk Cabling System features cables and connectors with locking mechanisms that prevent accidental disconnections.

## Features

## Benefits

▶ Easy-to-use modular design	▶ Snaps together in minutes.
▶ Locking connectors	▶ Prevent cables from becoming accidentally disconnected from connector drop boxes.
▶ No complicated configuration rules	▶ Lets you set up a network, add or remove users, and make other changes quickly and easily.
▶ Capacity of 32 nodes per network	▶ Allows an entire workgroup to exchange information, access multiuser applications, and share peripherals.
▶ Multiple networks can be linked	▶ Allows workgroups to be extended.
▶ Low per-station cost	▶ Provides an economical networking solution.
▶ Based on AppleTalk Network System standard	<p>▶ Works with a variety of computers, including the Macintosh family, the Apple IIgs, and MS-DOS computers such as the IBM PC.*</p> <p>▶ Encourages development of a wide range of Apple and third-party products that adhere to this standard.</p>
▶ Cost-effective printer sharing	<p>▶ Lets dozens of users share an Apple LaserWriter, ImageWriter® II, or ImageWriter LQ printer.*</p> <p>▶ Works with the Apple LaserShare™ print spooler to give you even greater printing efficiency.</p>
▶ Powerful information access	<p>▶ With the AppleShare file server, gives simultaneous access to applications and data files.</p> <p>▶ Works with other useful data communications products such as disk servers and electronic mail programs.</p>
▶ Expandability and versatility	▶ Lets you add additional products to create bridges between AppleTalk networks or gateways to other networking environments (such as SNA or Ethernet).

\* MS-DOS computers as well as ImageWriter II and ImageWriter LQ printers require appropriate interface cards.

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**System Requirements**

To use the LocalTalk Cabling System, you'll need one of the following systems:

- ▶ At least one Apple Macintosh or Apple IIGs personal computer, or an MS-DOS computer with AppleTalk PC Card, plus a shared system resource (such as an Apple LaserWriter printer)

- ▶ At least two Macintosh or Apple IIGs personal computers, or MS-DOS computers with AppleTalk PC Cards

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**Technical Specifications****Topology**

- ▶ Serial bus

**Wiring**

- ▶ Shielded
- ▶ Twisted-pair

**Signaling standard**

- ▶ EIA standard RS-422, balanced voltage

**Signaling speed**

- ▶ 230.4 kilobits/second

**Signal encoding**

- ▶ FM0 (biphase space)

**Frame format**

- ▶ SDLC (Synchronous Data Link Control)

**Maximum number of connections per network segment**

- ▶ 32

**Node identification**

- ▶ Self-configuring; no user action required

**Architecture**

- ▶ Open

**Connection**

- ▶ Passive drops

**Access method**

- ▶ Carrier-sense multiple-access with collision avoidance (CSMA/CA)





## LocalTalk Cabling System

### Ordering Information

#### **LocalTalk Locking Connector Kit—DIN-8**

Order No. M2068

For use with the Macintosh Plus,  
Macintosh SE, Macintosh II,  
Apple IIGs, and some network  
peripherals

With your order, you'll receive:

- ▶ 1 LocalTalk connector with mini-circular 8-pin plug
- ▶ 2 meters of LocalTalk cable
- ▶ 1 cable-extender plug
- ▶ Installation and operating manual
- ▶ Limited warranty statement

#### **LocalTalk Locking Connector Kit—DB-9**

Order No. M2065

For use with the Macintosh 128K,  
Macintosh 512K, Macintosh 512K  
Enhanced, and some network  
peripherals

With your order, you'll receive:

- ▶ 1 LocalTalk connector with DB-9 plug
- ▶ 2 meters of LocalTalk cable
- ▶ 1 cable-extender plug
- ▶ Installation and operating manual
- ▶ Limited warranty statement

#### **LocalTalk Locking Cable Kit—10 Meter**

Order No. M2066

With your order, you'll receive:

- ▶ 10 meters of LocalTalk cable
- ▶ 1 cable-extender plug
- ▶ Limited warranty statement

#### **LocalTalk Locking Cable Kit—25 Meter**

Order No. M2069

With your order, you'll receive:

- ▶ 25 meters of LocalTalk cable
- ▶ 1 cable-extender plug
- ▶ Limited warranty statement

#### **LocalTalk Custom Wiring Kit**

Order No. M2070

With your order, you'll receive:

- ▶ 100 meters of LocalTalk cable
- ▶ 20 preassembled plugs
- ▶ 20 cable-splicing mechanisms
- ▶ 4 cable-extender plugs
- ▶ Installation instructions
- ▶ Limited warranty statement

#### **ImageWriter II/LQ AppleTalk Option**

Order No. A9B0313

To connect an ImageWriter II or  
ImageWriter LQ printer to a  
LocalTalk network

With your order, you'll receive:

- ▶ ImageWriter II/LQ AppleTalk Option Card
- ▶ 1 disk (printer drivers)
- ▶ User's guide
- ▶ Limited warranty statement

#### **AppleTalk PC Card**

Order No. M2050

To connect an IBM PC or other  
MS-DOS computer to a LocalTalk  
network

With your order, you'll receive:

- ▶ AppleTalk PC Card
- ▶ 2 disks (1 startup, 1 program)
- ▶ Installation and operating manual
- ▶ Limited warranty statement