



## Overview

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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

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|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ▶ 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 | ▶ Works with a variety of computers, including the Macintosh family, the Apple IIGS, and MS-DOS computers such as the IBM PC.*<br>▶ Encourages development of a wide range of Apple and third-party products that adhere to this standard. |
| ▶ Cost-effective printer sharing             | ▶ Lets dozens of users share an Apple LaserWriter, ImageWriter® II, or ImageWriter LQ printer.*<br>▶ Works with the Apple LaserShare™ print spooler to give you even greater printing efficiency.                                          |
| ▶ Powerful information access                | ▶ With the AppleShare file server, gives simultaneous access to applications and data files.<br>▶ Works with other useful data communications products such as disk servers and electronic mail programs.                                  |
| ▶ 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).                                                                                    |
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\* 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