

AsantéTalk

Installation Guide

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About This Manual

Intent of this Document

This document describes how to install the AsantéTalk

- ▲ AsantéTalk does not support serial printers.

Document Conventions

This manual uses the following conventions to convey instructions and information:

- Commands and key words are in **boldface** font.
- △ **Note:** Noteworthy information, which contains helpful suggestions or references to other sections in the manual, is in this format.
- ▲ **Important:** Significant information that calls attention to important features or instructions is in this format.

Audience

This manual uses terms and concepts associated with Macintosh™ and iMac™ Computers and their user interface. It is recommended that the user of this manual be familiar with these platforms.

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Installation Process

AsantéTalk is designed to allow Apple Macintosh systems such as the new iMac using the on-board Apple Ethernet adapter to communicate with existing LocalTalk devices such as printers and other Macintosh computers.

The AsantéTalk connects a LocalTalk network (or printer) and an Ethernet network (or your iMac). After you have installed it on both networks, devices on the two networks will be able to communicate through the AsantéTalk.

Installation Steps

- 1 Connect the AsantéTalk to your LocalTalk network or printer.
- 2 Connect the AsantéTalk to your iMac or existing Ethernet network.
- 3 (Optional) Configure your iMac to communicate over Ethernet.

Attaching the AsantéTalk to your LocalTalk network:

Connect a LocalTalk adapter to the DIN8 port on the AsantéTalk. Connect your LocalTalk cable to the LocalTalk port on the adapter.

△ See the Quick Start Guide for more information.

1 The AsantéTalk supports a maximum of eight (8) devices plus the AsantéTalk, or nine (9) nodes maximum.

2 The LocalTalk network must be configured as a “bus” network.

3 The LocalTalk network must be properly terminated at both ends of the LocalTalk cable.

▲ LocalTalk adapters / connectors from approved sources may be used.

△ LocalTalk network configurations wired as a “star” or “modified star” are not supported.

- ▲ It is recommended that the AsantéTalk be installed as the first device in the LocalTalk network. The LocalTalk connector on the AsantéTalk must also include a LocalTalk terminator which is normally included with the LocalTalk connector kit. The installation of each LocalTalk device on the LocalTalk network segment requires a LocalTalk adapter for proper communication. The LocalTalk network segment may include any combination of printers and computer systems on LocalTalk. The last device in the LocalTalk network chain must include a terminating resistor.

Ethernet Installation Process

AsantéTalk includes a 10Mbs Ethernet connection making installation to new or existing networks simple. AsantéTalk was designed with Apple iMac customers in mind where simple network operation and printing is required with LocalTalk printers.

Installation Process

Attaching the AsantéTalk to your Ethernet Network

To create an Ethernet network with the Apple iMac computer system, Asanté includes two Ethernet cables.

The first cable is **YELLOW** in color and is designed as an industry - standard “crossover” cable. This cable is used for communicating from the Apple iMac directly to the AsantéTalk.

The second Ethernet cable is **SILVER** in color and is wired as an industry - standard 10BaseT-ethernet cable. This cable is used when connecting the AsantéTalk to an Ethernet Switch or Ethernet Hub. Installation may require a longer Ethernet cable. Please follow IEEE Ethernet cabling requirements for wiring and installation.

Attaching the AsantéTalk directly to your iMac

The Yellow Crossover cable is used to establish the physical network connection where the configuration consists of the AsantéTalk and the Apple iMac system. To connect this cable, simply open the Apple iMac door located on the right-hand side (facing the front of the iMac) of the iMac. Insert one end of the cable into the RJ45 female cable connector. The other end of the Yellow cable will attach to the RJ45 port on the AsantéTalk. Insert the cable end into the appropriate connector.

- △ Review the AsantéTalk Quick Start Guide for further details.
- △ During bootup, the Apple iMac will attempt to auto-negotiate with any attached ethernet device. To eliminate auto-negotiation problems, make sure the AsantéTalk is powered up before booting the iMac.

Attaching the AsantéTalk to your existing Ethernet network

The AsantéTalk may be added to an existing network using this **SILVER** cable. This cable is wired as a Straight - Thru cable and is used to establish a network connection to a port on an Ethernet Switch or Ethernet Hub.

To connect this cable, simply connect the RJ45 connector to any available port on the Ethernet Switch or Ethernet Hub. Insert one end of the cable into the RJ45 female cable connector. Note: Do not install this cable or any other straight - thru 10BaseT cable to an Hub or Switch uplink port.

The other end of the **SILVER** cable will attach to the RJ45 port on the AsantéTalk. Insert the cable end into the connector.

If a longer Ethernet cable is required follow predefined IEEE Ethernet wiring requirements for wiring 10BaseT RJ45 cables.

- ▲ Review the AsantéTalk Quick Start Guide for further details.

Ethernet Installation Guidelines

- 1 A maximum distance of 100 Meters (330 feet) for an individual Ethernet cable drop must be maintained.

Installation Process

- 2 Ethernet 10BaseT requires adherence to IEEE 802.3 Wiring Guidelines.
- 3 The AsantéTalk may be connected to an Ethernet Switch or Ethernet Hub.
- 4 AsantéTalk does not support auto-negotiation. Ethernet Switches or Hubs must be able to turn off or disable this feature for proper operation.

Configure your iMac for Ethernet Communication

- 1 Set your AppleTalk control panel to show “Connect via: Ethernet.”
 - 2 Set your TCP/IP control panel to:
 - Modem if you connect to the Internet using the iMac’s modem.
 - Ethernet if you connect to the Internet using your Local Area Network.
- ▲ See the documentation that came with your Macintosh if you need more information.

AsantéTalk Power-Up

AsantéTalk takes approximately 15 seconds to come up on a network. It automatically detects the presence of LocalTalk devices and registers them as nodes on Ethernet.

Once the AsantéTalk is active on the Ethernet network, any LocalTalk nodes that are connected to the LocalTalk segment of the network will appear within the Apple Macintosh Chooser. Those nodes will be able to utilize server or printer resources on either ethernet or LocalTalk networks.

AsantéTalk LED's

The four (4) LED's (Light Emitting Diodes) on the AsantéTalk indicate activity on the Ethernet and LocalTalk networks. The LED's are as follows:

Table 1:

LED Name	Purpose
PWR	Power
TX	Transmit
RX	Receive
LI	Link Integrity

Installation Process

AsantéTalk Power Supply

The AsantéTalk AC power supply is type:

Input Power - 117 VAC 60 Hz. 30 Watts

Output Power - 12 VAC @ 1.25 Amps

Supported Printers

AsantéTalk will support AppleTalk printers provided that the individual printers are configured with a LocalTalk communications port. For AppleTalk compatibility information, consult your printer manufacturer.

Each LocalTalk printer must be connected to the AsantéTalk with an approved LocalTalk adapter. The LocalTalk network must be properly terminated with two (2) terminating resistors.

Supported Apple Computer - Systems

- △ AsantéTalk will support Apple Computer Macintosh systems designed with a built-in LocalTalk communications port.
- △ Each LocalTalk Macintosh must be connected to the AsantéTalk with an approved LocalTalk adapter and the LocalTalk network must be properly terminated.



Technical Support

Contacting Asanté Technical Support

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