

1. Ensure that both the hub and the soon-to-be-connected workstation are in the power off mode.
2. Plug one end of the coaxial cable into the hub's BNC port. Please refer to Figure 3 if you are having trouble locating this port.
3. Connect the other end of the coaxial cable to the workstation BNC connector located on the network interface card. Please refer to Figure 3 for an illustration of such a connection.

**Note:** If BNC port doesn't connect properly to the coaxial cable after power is applied to the hub, it is indicated of the RED LED by flashing. The RED LED will stop flashing and remain off after connecting the BNC port.

The following diagram illustrates 10BASE-T and 10BASE2 network connections using the BNC connector.

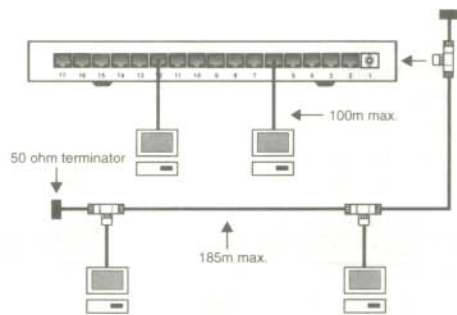


Figure 3

## Cascading Hubs

When your 10BASE-T network needs to grow past the sixteen available UTP/STP connections provided by the hub, you should consider purchasing an additional hub and cascading it with the original hub.

This hub features a cascade enable switch. This switch allows you to use straight UTP/STP cables instead of the traditional cables when cascading hubs.

The following diagram illustrates 10BASE-T cascading.

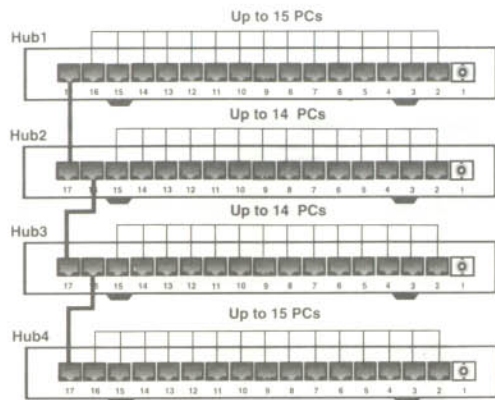


Figure 4

## Federal Communications Commission Statement

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. This equipment has been tested and found to comply with the limits for a class A computing device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures are necessary to correct the interference.

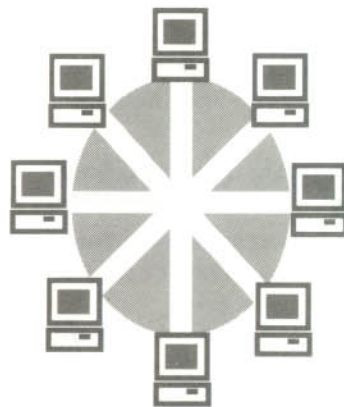
### CE Declaration of conformity :

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE and EN 50082-1, the essential protection requirements of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

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## 17-Port Mini Hub

# QUICK INSTALLATION GUIDE



For the  
Ethernet 10BASE-T 17-Port Hub

## Introduction

Congratulations on your purchase of this hub. This user guide is provided to allow you to get the most out of your new investment. It describes all features and covers installation and operating instructions of this hub in an easy-to-read yet thorough manner.

## Package Contents

The package contains the following items:

- One Hub
- One AC Power Adapter
- One BNC T-Connector
- This User Guide
- Four Pieces Rubber Foot
- Two Pieces Tapping Screw
- Two Pieces Nylon Screw Anchor

## Features Overview

Your Hub includes the following features:

- Interconnects one 10BASE2 segment and sixteen 10BASE-T link segments
- IEEE 802.3 10BASE2 and 10BASE-T compliancy
- Either the BNC or the RJ-45 port as the cascading port
- Selective NORMAL/UPLINK switch for cascading
- Port auto-partitioning and reconnection to facilitate faulty segment isolation
- Polarity auto-detection and auto-correction for UTP/STP ports
- Data collision and jabber handling functions
- Two LEDs per port to indicate Link/Receive and Partition status

## The Panel

The illustrations that follow depict the various external components of the hub.

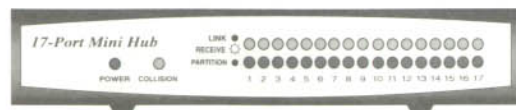


Figure 1

### 1. Power (RED) Indicator

This LED indicator is on when the hub is powered up.

### 2. Collision (YELLOW) Indicator

This LED indicator blinks when the hub detects a collision on the network.

### 3. Link/Receive (GREEN) Indicators

These LEDs indicate the state of the data link. These LEDs remain on when the connection is okay. These LEDs blink to indicate data is being received on the segment.

### 4. Partition (RED) Indicators

These LEDs light to indicate a port on the hub is malfunctioning. Faulty ports are automatically isolated by the hub. When the port recovers, however, the partition LED returns to normal status.

## Wall Mounting

After you have decided on a suitable location for mounting the hub, mark the location for inserting two screws 242.5mm apart. At the marked locations, drill two holes and insert a nylon screw anchor in each hole. Insert a tapping screw in each hole. Align the hub wall-mount slots with the screws and slide the hub down until the screws are securely fast to the hub. You can now complete the installation procedure by marking the necessary cable connections.

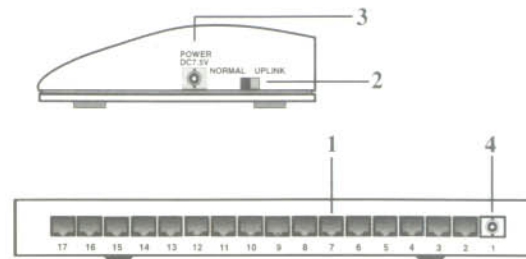


Figure 2

### 1. RJ-45 UTP/STP Ports

The hub is equipped with sixteen RJ-45 UTP/STP ports for making 10BASE-T hub-to-workstation connections.

### 2. NORMAL/UPLINK Switch

Slide this switch to the right to enable cascading with straight UTP/STP cable.

### 3. AC Adapter Port

Plug the AC adapter jack into this port.

### 4. BNC Port

The hub is equipped with one BNC port for making 10BASE2 hub-to-workstation connections.

## Making Network Connections

This hub has sixteen RJ-45 connectors for attaching up to sixteen 10BASE-T based workstations. To establish such connections:

1. Ensure that both the hub and the soon-to-be-connected workstation are in the power off mode.
2. Plug one end of the UTP/STP cable into an available 10BASE-T hub port.
3. Plug the other end into the workstation network interface card. The following Figure 3 illustrates a simple network topology using a 10BASE-T hub-to-workstation connections.

This hub has one BNC port for making 10BASE2 connections. To establish such connections: