Compact 8 Port 10BaseT Hub

Installation Manual

ST810BT

Introduction

The StarTech.com 8-port 10Mbps network hub is an IEEE 802.3 compliant, wall-mountable hub that offers 8 STP ports, 1 BNC port and 1 uplink port. The internal power adapter is capable of operating at voltages between 100VAC and 240VAC, at frequencies between 50-60 Hz. This high-performance hub with its status indicating LED's, is a flexible and expandable cost-effective solution.

Features

- Complies with IEEE 802.3 10Base2, 10Base5, and 10BaseT standards
- Amplifies and regenerates signals to and from attached host devices and repeaters
- Allows data recovery without signal distortion
- Automatic bad port partitioning isolates problem-causing workstations
- LEDs indicate Link/Rx and Partition for each STP port, Collision, and Power
- Compact size for desktop or wall-mounting (hardware included)
- Provides (1) BNC port for connection to thin Ethernet (10Base2) and (1) UTP uplink port
- Includes AC power adapter (120VAC), BNC T-adapter, wall-mounting hardware

Package Contents

1 x Ethernet Hub

1 x external power adapter

Specifications

Standards	IEEE 802.3 10Base2, 10Base5, and 10BaseT
STP Ports	(8) RJ-45
Uplink Ports	(1) RJ-45
BNC Ports	(1) BNC (thin Ethernet)
LEDs	Link/Receive, Partition, Collision, Power
Dimensions	197 x 132 x 33 mm
Weight	316g (0.697 lbs)
Operating Environment	5~65 deg C, 90% max. relative humidity non-condensing
Power	6VDC, 0.7A
Safety	UL, CSA, TUV Certified
Certifications	FCC Part 15 Class A, CE Mark

Installation

1. Connect one end of the network cable to any RJ45 or BNC connectors on the rear panel of the hub.
2. Connect the other end of the cable to the network device, (the maximum length between the hub and the network device is 100 meters, 300 ft.).
3. Once the network cable is connected to both ends and the attached network device is powered on, the green LNK/ACT LED light should be lit.
4. Repeat these steps for the remainder of the computers you would like to network.

An uplink port is used to connect to another hub/switch using regulate straight-through UTP cable.

Troubleshooting

1. Power LED is not lit

Check if the power cord is properly connected to the external power adapter and the power outlet. Make sure the DC power jack is firmly plugged into the power socket of the switch.

2. Link Status LED is not lit

Check the power switch of the devices connected to the hub; make sure they are turned ON. Check the network cables; make sure they are properly connected to the hub and the network devices.

Check the network cables; make sure the cables comply with EIA/TIA 568 specifications. Use straight-through Category 5 cables for 100Mbps connection and Category 5 cables for 10Mbps connection.

3. Collision LED flashes constantly

Remove all the network cables; connect the cables back one by one to isolate the source of the collision.

Check the network cable, inferior cable quality will result in excessive collision and error packets.

4. Link Status LED is not lit when uplinked to another hub

Check the network cable, make sure it is properly connected to both hubs. one end of the cable should be connected to the uplink port while the other end of the cable should be connected to a regular port. Do not connect the cable to both uplink ports.

Check the network cables; make sure the cables comply with EIA/TIA 568 specifications.