

AT-8800 Series Switch Quick Install Guide



AT-8824
AT-8848

AT-8800 Series Quick Install Guide
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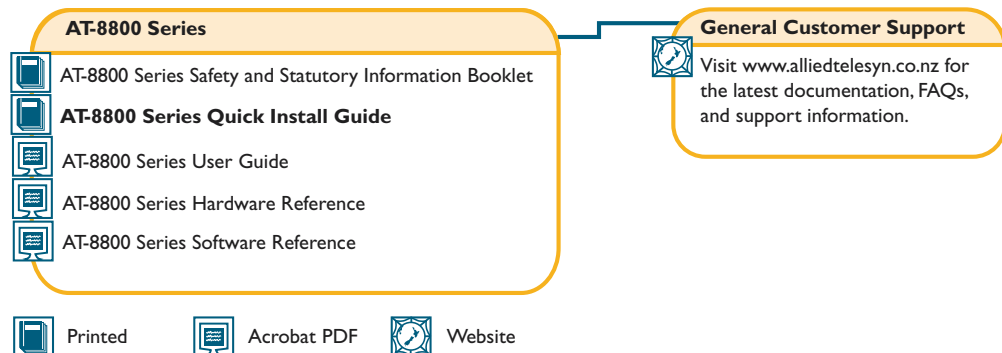
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Documentation Roadmap



Models Covered By This Guide

This Quick Install Guide includes information on the following models:

- AT-8824
- AT-8848

Quick Install Guide updates can be downloaded from www.alliedtelesyn.co.nz/support/at8800/.

Package Contents

The following items are included with each AT-8800 Series switch. Contact your sales representative if any items are damaged or missing.

- One AT-8800 Series switch.
- One AC power cord.
- One power cord retaining clip.
- One serial cable for connecting the switch to a terminal or PC.
- One 19 inch rack-mount kit.
- One AT-8800 Series Quick Install Guide.
- One Safety and Statutory Information booklet.
- One AT-8800 Series Documentation and Tools CD-ROM (which includes the complete AT-8800 Series Document Set and utilities).
- One warranty card.

Selecting a Site

The switch can be installed in a standard 19-inch rack or on a level surface such as a desktop or bench. When installing the switch, choose a site that:

- Allows adequate airflow around the switch and its vents.
- Is free of dust and moisture.
- Will maintain an ambient temperature range of 0-50° C (32-122° F) and a humidity range of 5-95% non-condensing.
- Has a reliable and earthed (grounded) power supply circuit, preferably dedicated and filtered.
- Does not expose cabling to sources of electrical noise, such as radio transmitters, broadband amplifiers, power lines, electric motors, and fluorescent fixtures.
- Allows easy access to the switch's power and cable connections.
- Will allow all related network devices to be connected to the switch without exceeding maximum cable length limitations. See the *AT-8800 Series Hardware Reference* for cable length specifications.

Installing the Switch



This equipment must be earthed.

Follow these steps to install the switch:

1. Read the safety information

For safety information, see the *Safety and Statutory Information booklet*. A copy of this booklet is supplied with each switch, and can also be found on the Documentation and Tools CD-ROM or at www.alliedtelesyn.co.nz/support/at8800/.

2. Gather the tools and equipment you will need

If the switch is to be connected to a redundant power supply, you will need a redundant power supply unit and cable (see step 8).

To install the switch in a rack you will need screws and cage nuts to attach the brackets to your rack. These are supplied with the switch.

3. Choose a suitable site for the switch

Either a flat surface or 19 inch rack.

4. Unpack the switch

Verify the package contents. If any items are damaged or missing, contact your sales representative.

5. Place the switch in its operating location

If installing the switch in a rack:

- Remove the rubber feet
- Attach the rack-mounting brackets.



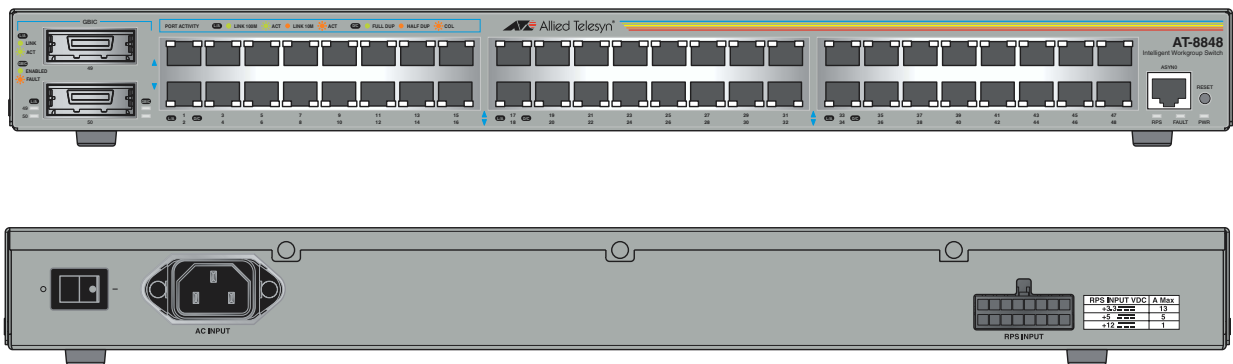
Use the screws provided with the switch to mount it in a rack. Other screws may damage the switch.

- Mount the switch in the rack

6. Apply AC power to the switch

Plug the power cord into the AC power connector on the switch's rear panel, as shown in Figure 1. The FAULT LED may light for one or two seconds as the switch runs internal tests. If the LED remains lit, refer to the *AT-8800 Series Hardware Reference* for troubleshooting information.

Figure 1: AT-8848 front panel and rear panel with AC power inlet.



7. Fit the power cord retaining clip.

A retaining clip is supplied with the switch for the AC power inlet on the switch's rear panel. Fit this clip to secure the power cord in place.

8. Check that the Power LED on the switch's front panel lights green

If the PWR LED fails to light, refer to the *AT-8800 Series Hardware Reference* for troubleshooting information.

9. Connect the Redundant Power Supply (Optional)

AT-8800 Series switches have a Redundant Power Supply (RPS) connector on their rear panel.

The Switch is designed to operate with the AT-RPS8000 RPS, which can be purchased separately. See the *AT-8800 Series Hardware Reference* or contact your authorised Allied Telesyn distributor or reseller for more information.

10. Install GBICs (Optional)

Slide the GBICs into the GBIC slots. Press each GBIC firmly into place.



A range of GBICs have been tested and approved for use with AT-8800 Series switches. See the AT-8800 Series Hardware Reference or contact your authorised Allied Telesyn distributor or reseller for more information, or visit www.alliedtelesyn.co.nz/support/at8800.



RX and TX terminal locations on SC fibre GBIC ports are the reverse of RX and TX terminal locations on fixed SC fibre ports. When looking at an SC fibre GBIC from the front, the RX terminal is on the left and the TX terminal is on the right.

11. Connect the data cables

Make sure each cable connection is secure. The switch will now perform basic Layer 2 switching functions.

Configuring the Switch

Some configuration is necessary if you wish to enable the switch's advanced switching capabilities. The switch can be configured via the Command Line Interface (CLI) or Graphical User Interface (GUI).

Using the CLI to configure a switch

1. Connect a terminal or PC to ASYN0 (RS-232)

Using the supplied RJ-45 to DB9F cable, connect your terminal or PC to the ASYN0 port on the switch's front panel.

2. Set the communication parameters

Set the communication parameters on your terminal or terminal emulation program to:

- Baud rate: 9600
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: Hardware

3. Check the power supply

Ensure that the On/Off switch is in the On position and that the switch is receiving power (PWR LED lights green).

4. Log in

After the switch has booted, the log in prompt appears. If the log in prompt doesn't appear, press [Enter] two or three times.

When the switch boots for the first time it automatically creates an account with manager privileges. The account has the log in name "manager" and the password is "friend".

At the log in prompt, enter the log in name and password.

Login: **manager**

Password: **friend**

The switch's command prompt appears and you can now configure the switch using the command line interface.



Change the password as soon as possible. Leaving the manager account with the default password is a serious security risk. Make sure you remember the new password as there is no way to retrieve it if it is lost.

Use the following command to change the account password:

```
set password
```

Use the following commands to save the configuration with the newly created password and set the switch to use it on bootup:

```
create config=your-name.cfg  
set config=your-name.cfg
```

To display a list of help topics, enter:

```
help
```

To display help on a specific topic, enter:

```
help topic
```

Alternatively, type a question mark (?) at the end of a partially completed command to see a list of valid options.

See the *AT-8800 Series Software Reference* for more information on configuring the switch.

Using the GUI to configure a switch:

This section describes how to establish a connection to the switch through the GUI, so you can configure the switch before installing it in your LAN. For more information about the GUI, see the *Using the Graphical User Interface (GUI)* chapter of the *AT-8800 Series Software Reference*.

1. Select a PC to browse to the switch from

You can browse to the switch from any PC that is running a supported operating system with a supported browser installed. JavaScript must be enabled. If you are using a toolbar or plug-in on your browser to block pop-ups, disable it while using the GUI. The GUI displays detailed configuration options and information in pop-up windows.

You need to know the PC's subnet.

2. Connect the PC to the switch

Use an Ethernet cable to connect an Ethernet card on the PC to any one of the switch's switch ports.



You can browse to the switch through any VLAN, as long as you give that interface an IP address (see below). The recommended LAN interface is vlan1, and these instructions assume you will use vlan1 as the LAN interface. The switch's ports all belong to vlan1 by default.

3. Access the switch's command line interface

Access the CLI from the PC, as described in the previous "Using the CLI to configure a switch" section.

4. Enable IP

```
enable ip
```

5. Assign the vlan1 interface an unused IP address in the same subnet as the PC

```
add ip interface=vlan1 ip=ipaddress mask=mask
```

6. Save the configuration and set the switch to use it on bootup

```
create config=your-name.cfg
set config=your-name.cfg
```

7. On the PC's web browser, bypass the HTTP proxy server, if necessary

8. Point your web browser at vlan1's IP address

9. At the login prompt, enter the user name and password

The default username is manager:

User Name: **manager**

Password: **friend**

The System Status page is displayed. Select options from the sidebar menu to configure and manage the switch.

For context-sensitive online help, click on the Help button at the top of the sidebar menu or on any pop-up page.

System LEDs

Table 2: System LEDs for AT-8800 Series switches.

LED	State	Function
RPS (Redundant Power Supply)	Green	An RPS is connected to the switch and is supplying power.
FAULT	Red	The switch or management software is malfunctioning. PSU fail.
PWR (Power)	Green	The switch is receiving power from the AC power source.

The *AT-8800 Series Hardware Reference* has further troubleshooting information, including information on Switch Port LEDs.

Documentation and Tools CD-ROM

The Documentation and Tools CD-ROM bundled with each switch contains the complete Documentation Set for AT-8800 Series switches and their expansion options, as well as tools for managing the switch. This includes:

- The *AT-8800 Series Statutory and Safety Information* booklet, which provides safety and statutory information for the switch and its expansion options.
- The *AT-8800 Series Hardware Reference*, which provides detailed information on the hardware features of AT-8800 Series switches.
- This *Quick Install Guide*.
- The *AT-8800 Series Software Reference*, which provides detailed information on configuring the switch and its software.
- *AT-TFTP Server for Windows*, for downloading software releases.
- *Adobe Acrobat Reader*, for viewing online documentation.