OnSite™ Model 2603 & 2620
WAN Access Router

Quick Start Guide

Model 2603

Model 2620
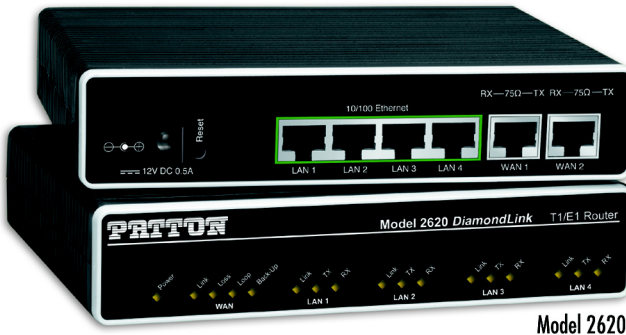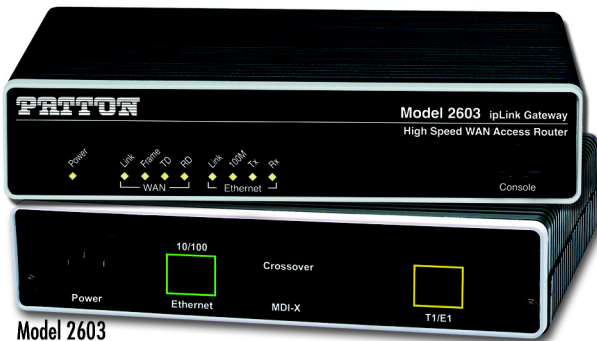
Important—This is a Class A device and is intended for use in a light industrial environment. It is not intended nor approved for use in an industrial or residential environment.

1.0 Power up the router

Your router comes with one of the following power supply options:

- External AC adapter with included power cord

- Internal AC power supply
- Internal DC power supply—no power accessories are included

1.1 Models with external AC adaptor

1. Connect female plug of the AC power cord to the AC adapter provided.

2. Connect the barrel-type connector of the AC adapter to the barrel-type *Power* jack on the OnSite router.

3. Insert the male plug of the AC power cord into an AC power outlet (100–240 VAC).

1.2 Models with internal AC power supply

1. Insert the female end of the AC power cord into the internal power supply connector.

2. Connect the male end of the power cord into an AC power outlet (100–240 VAC).

1.3 Models with internal DC power supply

1. Strip insulation 1/4-inch from the electrical wires that will connect the DC power source to the OnSite router.

2. Connect the positive (+) terminal from the power source to the positive (+) terminal on the OnSite router.

3. Connect the ground terminal from the power source to the ground terminal (E) on the OnSite router.

4. Connect the negative (-) terminal from the power source with to the negative (-) terminal on the OnSite router.
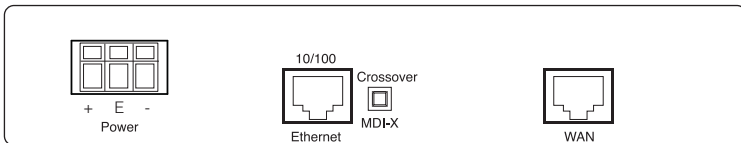
Figure 1. Connecting the DC power supply

Note "+", "E", and "-" may be unlabeled.

1.4 Power-up indication

The *Power* LED blinks as the OnSite router is powering up. When the *Power* LED stops blinking and remains lit, the router is ready for you to configure.

2.0 Configure the IP address

The OnSite router is shipped with a factory-configured IP address assigned to the *Ethernet* LAN port (green outline). The address is *192.168.200.10/24.* In most cases, you must change the address to be on the same subnet as your PC, as described in the

procedures below. If you are not sure which IP address to use for your installation, contact your network administrator.

2.1 Connecting a PC and logging in

1. Using the included combination RS232/Ethernet cable and DB9-RJ45 adapter, connect a PC's serial port to the OnSite router's *Console* port (see **figure 2**).

PC with terminal emulator

Serial port

Connect to Console port
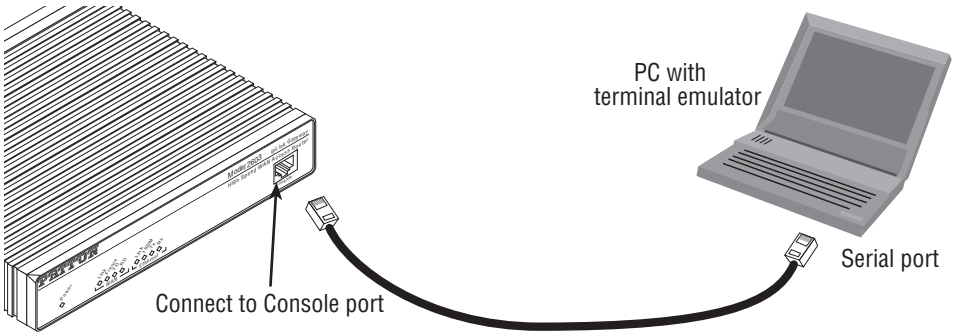
Figure 2. Connecting OnSite router to the PC's serial port

2. Start a HyperTerminal session on the PC using the settings:
9600 bps, 8 data bits, 1 stop bit, no parity, no flow control

3. Log in to the OnSite router using the factory-default login and password:

```
Login: superuser
Password: superuser
Login successful
```

2.2 Modifying the IP address

1. Display current IP interface settings for the OnSite *Ethernet* LAN port.

```
→   ip list interfaces <enter>

IP Interfaces:
ID | Name | IP Address      | DHCP     | Transport
---|------|-----------------|----------|--------------
1  | ip1  | 192.168.200.10  | disabled | <eth1>
-----------------------------------------------
```

2. Modify the IP address for the LAN port according to your network requirements.

```
→   ip set interface ip1 ipaddress 10.10.10.5 255.255.255.0
```

Note The above IP address (10.10.10.5/24) is only an example. You must choose an IP address on the same subnet as your PC.

3. Verify the new address is correct and save it in system boot memory.

```
→   ip list interfaces <enter>
→   system config save <enter>
```

→

Now you can connect the OnSite router to your local IP network and complete the remaining configuration from your PC using a standard web browser.

3.0 Connect to the local IP network

Connect the OnSite router's (green) *Ethernet* port to the same Ethernet segment as your PC (see **figure 3**).

> **Note** The Model 2620 does not have an MDI-X switch, so you must use a cable wired straight-through to connect the Model 2620's Ethernet port to the IP network.

If you have a Model 2603, press the MDI-X switch until the *Ethernet Link* LED turns on.
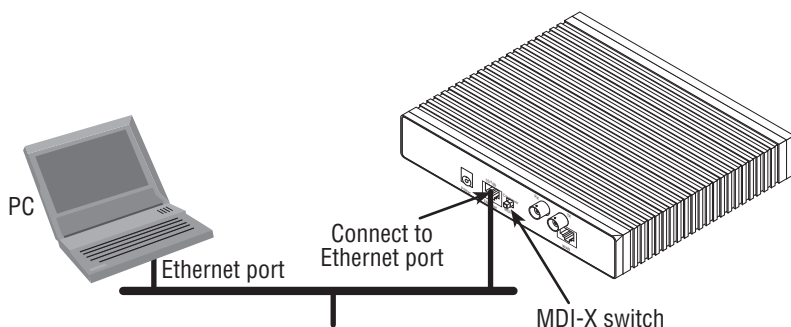
Figure 3. Connecting the OnSite to the local IP network (Model 2603/K shown)

You can check the network connection with the ping command. For example, you would ping *10.10.10.5* from your PC.

4.0 Log onto the web management interface

You will now access the web management Graphical User Interface (GUI) to configure the OnSite using a standard web browser (such as Internet Explorer or Netscape browser).

1. At your PC, open a web browser and enter the IP address you assigned to the OnSite router's Ethernet LAN port in step 2 of section **2.2 "Modifying the IP address"** on page 4.

2. Log in to the web management home page using the username *superuser* and the password *superuser.*

Figure 4. OnSite web management home page

3. Now you can use the OnSite router's web management pages to complete your configuration (see section **6.0 "Complete the installation"** on page 7).

5.0 Connect the WAN port

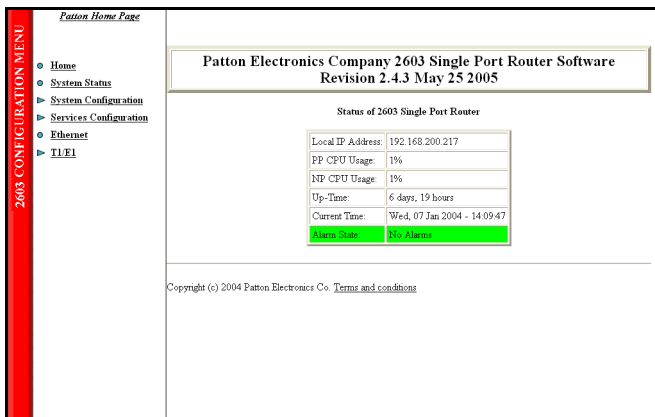The OnSite 2603/T, 2603/K, and 2620 come with a T1/E1 WAN interface (presented on an RJ-48C connector with selectable line impedances of 100-ohms for T1 and 120-ohms for E1 lines). The Model 2603 has one RJ-48C connector and the 2620 has two. The Model 2603/K and 2620/KK also come with dual BNC connectors for alternate connection to unbalanced 75-ohm E1 lines.

To connect the WAN port on a Model 2620 or Model 2603/T, or if you plan to use the RJ-48C port on a 2603/K, refer to section "**Connecting to the RJ-48C WAN port**". Otherwise, refer to section "**Connecting to the unbalanced 75-ohm TX and RX WAN ports (Model 2603/K and 2620/KK only)**" to install cables onto the BNC connectors on the 2603/K and 2620/KK models.

Connecting to the RJ-48C WAN port

1. Obtain a twisted-pair cable with an RJ-48C plug connector at each end.

2. Plug one end of the cable into the RJ-48C socket (labeled *WAN)* on the OnSite Router.

3. Plug the other end of the cable into the T1/E1 device.

4. Repeat steps 1 through 3 to install the remaining WAN cables on a Model 2620

Connecting to the unbalanced 75-ohm TX and RX WAN ports (Model 2603/K and 2620/KK only)

1. Obtain a coaxial cable with a BNC connector at each end.

2. Plug one end of the cable into the transmit socket (labeled *TX)* on the OnSite Router. Plug the other end of the cable into the receive port of the E1 device.

3. Plug one end of the cable into the receive socket (labeled *RX)* on the OnSite Router. Plug the other end of the cable into the transmit port of the E1 device.

6.0 Complete the installation

To finish configuring your OnSite, and for detailed information about installing, configuring, operating, and troubleshooting, refer to the *Models 2603, 2621, and 2635 OnSite Series High Speed Routers User Manual* available online at **www.patton.com/manuals/2600SER.pdf.**

A.0 Customer and Technical Support

Toll-Free VoIP support: call **sip:support@patton.com** with a VoIP SIP phone

Online support: www.**patton.com**

E-mail support: **support@patton.com**—answered within 1 business day

Telephone support:

- Standard: +1 (301) 975-1007 (USA), Monday–Friday: 8:00 am to 5:00 pm EST (1300 to
  2200 UTC/GMT)
- Alternate: +41 (0)31 985 25 55 (Switzerland), Monday–Friday: 8:00 am to 5:00 pm CET (0900 to 1800 UTC/GMT)

Fax: **+1 (253) 663-5693** (USA) **or +41 (0)31 985 25 26 (**Switzerland)

B.0 Compliance Information

B.1 Compliance

EMC:
- FCC Part 15, Class A
- EN55022, Class A
- EN55024

Safety:
- UL60950-1/CSA C22.2 No. 60950-1
- IEC/EN 60950-1
- AS/NZS 60950-1

PSTN Regulatory:
- These devices are not intended for connection to the PSTN.

B.2 Radio and TV Interference (FCC Part 15)

This equipment generates and uses radio frequency energy, and if not installed and used properly—that is, in strict accordance with the manufacturer's instructions—may cause interference to radio and television reception. This equipment has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection from such interference in a commercial installation. However, there is no guarantee that interference will not occur in a particular installation. If the equipment causes interference to radio or television reception, which can be determined by disconnecting the cables, try to correct the interference by one or more of the following measures: moving the computing equipment away from the receiver, re-orienting the receiving antenna, and/or plugging the receiving equipment into a different AC outlet (such that the computing equipment and receiver are on different branches).

B.3 CE Declaration of Conformity

Product Description: OnSite 2603, 2620

We certify that the apparatus described above conforms to the requirements of Council Directive 2004/108/EC on the approximation of the laws of the member states relating to electromagnetic compatibility; and Council Directive 2006/95/EC on the approximation of the laws of the member states relating to electrical equipment designed for use within certain voltage limits.

The safety advice in the documentation accompanying this product shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

$C\,E$ The safety notices in the documentation accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The signed Declaration of Conformity can be downloaded from **www.patton.com/certifications/**.

B.4 Authorized European Representative

D R M Green

European Compliance Services Limited.

Avalon House, Marcham Road

Abingdon,

Oxon OX14 1UD, UK

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Warranty, Trademark, & Compliance Information

For warranty, trademark and compliance information, refer to the *Models 2603, 2621, and 2635 OnSite Series High Speed Routers User Manual* available online at **www.patton.com/manuals/2600SER.pdf**.

In accordance with the requirements of council directive 2002/96/EC on Waste of Electrical and Electronic Equipment (WEEE), ensure that at end-of-life you separate this product from other waste and scrap and deliver to the WEEE collection system in your country for recycling.

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