

## Introduction

This document describes how to upgrade the software on Patton 3088 models. Click on the link below for your 3088 model to view instructions.

- [3088RC](#) (on page 1)
- [3088/CA/D/K/T](#) (on page 2)
- [3088/I](#) (on page 3)

## 3088RC

Refer to [figure 1](#) below to connect the 1001 rack to a PC:

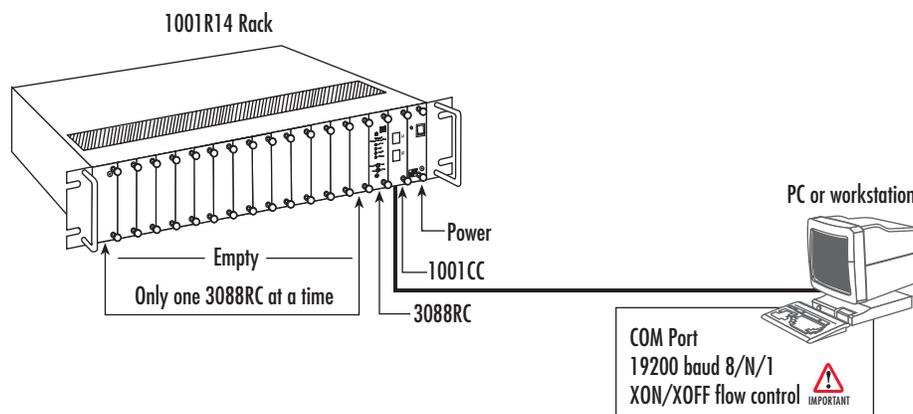


Figure 1. 1001 Rack Setup Diagram

The Model 3088RC is software upgradeable through the console port. Software images will be available in Intel Hex file format. The software upgrade feature is available either by powering up the Model 3088RC with all DIP switches set to the *OFF* position, or by entering the **system upgrade** command on the command line interface. The software upgrade takes approximately 5 minutes to complete. The 3088RC will print ‘.’ to the screen while the software upgrade is in process. When the software upgrade completes, it will print a message stating that it is complete and the number of errors, if any, that occurred.

Errors may occur during the software upgrade if the image is corrupt or if there is a disruption in the console port connection. The Model 3088RC will print a message to the console port if it encounters any errors. In the event of an error, the portions of the old image may have been overwritten, and the unit may not be able to boot into operational mode. However, the unit may still boot into the software upgrade, so a new software image can still be loaded to bring the unit back to an operational state.

Follow the steps below to upgrade the 3088RC software:

1. Remove all cards from the rack except for the card that you intend to upgrade.
2. Obtain the software image Hex file for the 3088RC.
3. Turn off the Model 3088RC.
4. Make a note of the current DIP switch settings, then set all DIP switches to the *OFF* position.
5. Turn on the Model 3088RC.

6. Configure HyperTerminal for 19200 bps, 8 bits, 1 stop bit, no parity, XON-XOFF.
7. Open Model 3088RC Console (via HyperTerminal or other terminal emulation program).

```
>>Transfer
>>Send Text File...
>>Set "Files of Type:" to "All files (*.*)"
>>Select 033252Z.hex
```

8. When the transfer completes, turn off the Model 3088RC.
9. Set the DIP switches for the proper configuration.
10. Turn on the Model 3088RC. It now operates with the upgraded software.

## 3088/CA/D/K/T

Refer to [figure 2](#) below to connect the 3088 NTU to a PC:

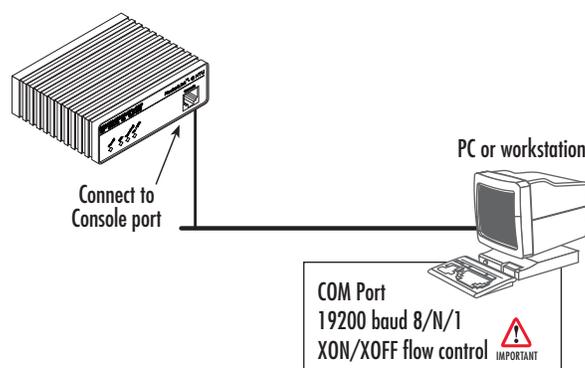


Figure 2. 3088 Setup Diagram

The Model 3088 is software upgradeable through the console port. Software images will be available in Intel Hex file format. The software upgrade feature is available either by powering up the Model 3088 with all DIP switches set to the *OFF* position, or by entering the **system upgrade** command on the command line interface. The software upgrade takes approximately 5 minutes to complete. The 3088 will print ‘.’ to the screen while the software upgrade is in process. When the software upgrade completes, it will print a message stating that it is complete and the number of errors, if any, that occurred.

Errors may occur during the software upgrade if the image is corrupt or if there is a disruption in the console port connection. The Model 3088 will print a message to the console port if it encounters any errors. In the event of an error, the portions of the old image may have been overwritten, and the unit may not be able to boot into operational mode. However, the unit may still boot into the software upgrade, so a new software image can still be loaded to bring the unit back to an operational state.

Here is the software upgrade procedure:

1. Obtain the software image Hex file for the 3088.
2. Turn off the Model 3088.
3. Make a note of the current DIP switch settings, then set all DIP switches to the *OFF* position.
4. Turn on the Model 3088.
5. Configure HyperTerminal for 19.2 kbps, 8 bits, 1 stop bit, no parity, XON-XOFF.
6. Open Model 3088 Console (via HyperTerminal or other terminal emulation program).

```
>>Transfer
>>Send Text File...
>>Set "Files of Type:" to "All files (*.*)"
>>Select 033252Z.hex
```

7. When the transfer completes, turn off the Model 3088.
8. Set the DIP switches for the proper configuration.
9. Turn on the Model 3088. It now operates with the upgraded software.

## 3088/I

To upgrade the software on the 3088/I, you need to configure the IP address, log onto the network, and then upload the software configuration file through the web management interface (WMI).

### 1. Configure the IP address

The Model 3088/I 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. Using the included combination RS-232/Ethernet cable and DB9-RJ45 adapter, connect a PC's serial port to the RocketLink-G's *Console* port (red outline).

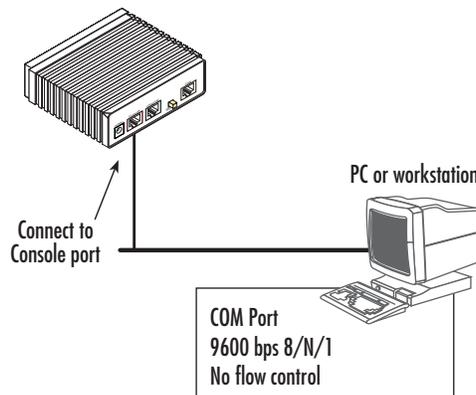


Figure 3. 3088/I Setup Diagram (Console Port)

- Log in to the RocketLink-G NTU using the factory-default login (*superuser*) and password (*superuser*):

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

- Display current IP interface settings for the RocketLink-G *Ethernet* LAN port.

```
ip list interfaces <enter>

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

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

```
ip set interface ip1 ipaddress 10.10.4.10 255.255.255.0
```

**Note** The above IP address (10.10.4.10/24) is only an example. You must choose an IP address on the same subnet as your PC.

- 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 G.SHDSL NTU to your local IP network and complete the remaining configuration from your PC using a standard web browser.

## 2. Connect to the local IP network

Connect the Model 3088/I's *Ethernet* port (green) to the same Ethernet segment as your PC (see figure 4). The front-panel *Ethernet Link* LED should turn on. If it does not, press the rear-panel MDI-X switch so that the *Ethernet Link* LED illuminates.

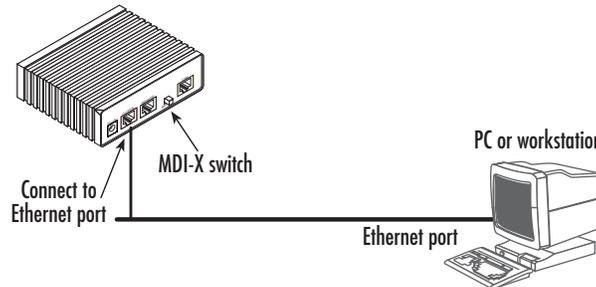


Figure 4. 3088/I Setup Diagram (Ethernet Port)

## 3. Upload the configuration file through the WMI

Open a web browser window and log on to the 3088/I web management interface. In the **System Management** section of the **Configuration Menu**, click on **Software Upgrade**.



Figure 5. Upgrading software on the 3088/I

Click on the **Browse...** button to find and select the desired software version on your PC. Subsequently, click **Update** to invoke the upgrade process. It is *Essential* to wait until the upgrade is completed before attempting any access of the 3088/I.

Click on the **Options** link. This takes you to the **Firmware Update Configuration** page. Leave this set to **Enabled**. When enabled, the 3088/I will detect if you are trying to do a software upgrade with an incorrect or improper software image. (See figure 6.)

## Firmware Update Configuration



Figure 6. Software upgrade protection

## Additional Information

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For additional help or any questions, contact Patton Technical Support:

### Contacting Patton

If you have any additional questions, feel free to contact Patton's Technical Support:

- E-mail support—e-mail sent to [support@patton.com](mailto:support@patton.com) will be answered within 1 business day
- Telephone support—standard telephone support is available five days a week—from 8:00 am to 5:00 pm EST (1300 to 2200 UTC)—by calling +1 (301) 975-1007

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