



VNM Recorder • Hard Drive Installation Guide

This guide provides basic instructions for an experienced technician to install or replace the hard drives of an Extron VNM Recorder. See the *VNM Recorder User Guide* or the *VNM Recorder Setup Guide* for information on installing the VNM Recorder.

IMPORTANT:
Refer to www.extron.com for the complete user guide and installation instructions before connecting the product to the power source.

CAUTION: Installation and service must be performed by authorized personnel only.

Pre-installation

Step 1 — Check the Firmware on the VN-Matrix System and the Replacement Hard Drives

Before removing or replacing the hard drives from the VNM Recorder, ensure that every device within the VN-Matrix system (including the VNM Recorder) contains the same version of firmware that is loaded onto the replacement hard drives. If the devices contain different firmware, the system may not operate correctly after the installation is complete.

The hard drive installation kit includes a firmware disc that can be used to update the firmware of the devices within the VN-Matrix system.

- NOTES:**
- The firmware disc does not need to be used if every device within the VN-Matrix system contains the version of firmware that is on the disc.
 - Firmware updates are also available at www.extron.com.

Step 2 — Copy the Configuration Settings of the VNM Recorder

Use the following procedure to retrieve and copy the current configuration settings of the VNM Recorder. This configuration information is used to configure the replacement hard drives.

- Connect a mouse, a keyboard, and a computer monitor to the recorder. See the *VNM Recorder User Guide* for more information on connecting these devices.
- Plug a standard IEC power cord into the recorder and connect it to a power source. Power on the recorder.
- Enter the administrator username and password at the VNM Recorder login screen.

- NOTES:**
- The login screen appears shortly after powering on the VNM Recorder.
 - The default username is **root**. The default password is **Extron2010** or **Electrosonic05** (depending on when the VNM Recorder was purchased). These entries are case sensitive.

- On the desktop, double-click on **Computer > Filesystem > home > matrix_rec**.
- Double-click on the folder that contains the latest release of the recorder software (at the time this guide was released, the latest software was stored in the **V3_8f** folder or in a folder with a similar name).
- Insert a USB storage device into one of the USB ports on the front panel of the recorder.
- From the recorder software folder window, locate the **config.xml** and **admin.xml** files and copy them to the USB storage device (see figure 1).
- Power down the VNM Recorder by pressing and holding the power button on the front panel until the power LED turns off. Disconnect the power cord from the recorder.

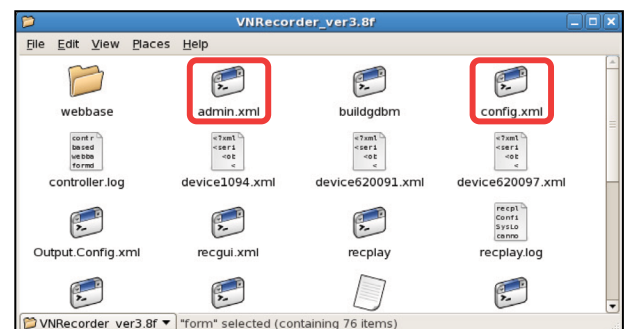


Figure 1. Recorder Software Folder

Hard Drive Installation and Configuration

Step 1 — Remove the Existing Hard Drives

Use the following procedure to remove the hard drives from the VNM Recorder.

- Ensure that the recorder is powered down and that the power cord is disconnected.
- Use the key provided with the VNM Recorder to open the locked front panel (see figure 2).



Figure 2. Locked Front Panel

VNM Recorder • Hard Drive Installation Guide (Continued)

- c. Press the button near the bottom of the drive.
- d. Raise the arm to its maximum height.
- e. Holding the raised arm and the body of the drive, carefully pull out the hard drive from the hard drive bay (see figure 3).
- f. Repeat steps 2c through 2e for each remaining drive.

NOTES:

- The arm on the hard drive must be raised to the maximum height before it can be removed. If the arm is in a lowered position, the hard drive cannot be removed.
- For security reasons, remove **ALL** of the hard drives from the recorder and replace them with the drives that are included with the replacement hard drive kit.

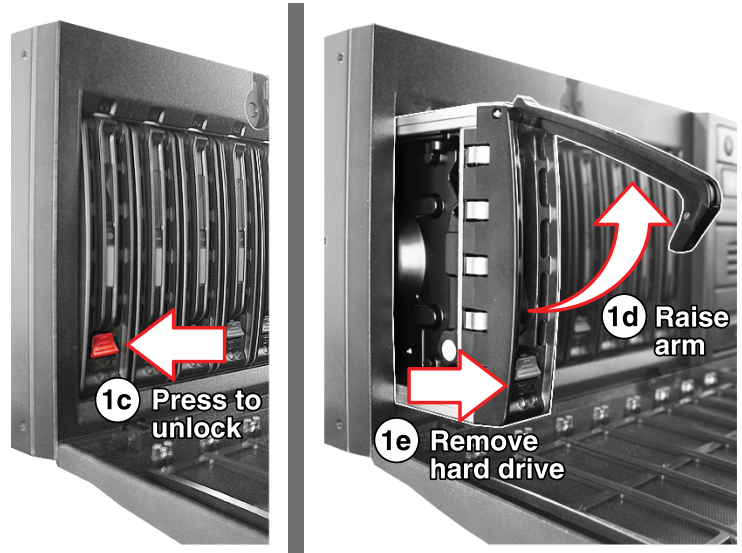


Figure 3. Removing the Hard Drives

Step 2 — Install the Replacement Hard Drives

The replacement kit contains six hard drives, numbered 0 through 5 (see figure 4). After the old hard drives have been removed, use the following procedure to install the new hard drives into the VNM Recorder.

NOTE: The hard drive bays are numbered from 0 through 7. The replacement hard drives **MUST** be placed into the corresponding drive bays (for example, the 0 hard drive must be placed into the 0 drive bay).

- a. Ensure that the recorder is powered down and that the power cord is disconnected.
- b. Press the button near the bottom of each drive and raise the arm to its maximum height.
- c. Carefully place each hard drive into the corresponding drive bay and push it into place (see figure 3).
- d. With each hard drive firmly in position, lower the arm until it snaps into the button to lock the hard drives.

Figure 5 shows hard drives that are correctly installed in the VNM Recorder.

NOTE: By default, the VNM Recorder does not have hard drives installed in drive bays 6 and 7.



Figure 4. Replacement Hard Drive Set

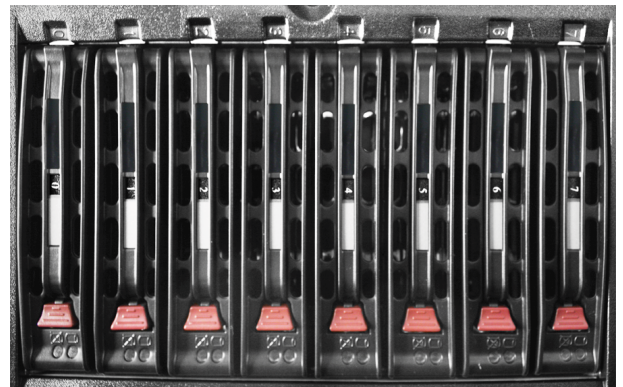


Figure 5. Correctly Installed Hard Drives

Step 3 — Load the Configuration Settings onto the VNM Recorder

Use the following procedure to load the configuration settings from the USB storage device onto the VNM Recorder.

- a. Plug a standard IEC power cord into the VNM Recorder and connect it to a power source. Power on the recorder.
- b. Enter the administrator username and password at the VNM Recorder login screen (see step 2c on page 1).
- c. On the desktop, double-click on **Computer > Filesystem > home > matrix_rec.**
- d. Double-click on the folder that contains the latest release of the recorder software (at the time this guide was released, the latest software was stored in the **V3_8f** folder or in a folder with a similar name).
- e. From the recorder software folder window, locate the **config.xml** and **admin.xml** files (see figure 1 on page 1). Rename these files to **config.xml.old** and **admin.xml.old**. Keep these files for system restoration purposes.

- f. Insert the USB storage device that contains the copied **config.xml** and **admin.xml** files into one of the USB ports on the front panel of the recorder.
- g. Place the **config.xml** and **admin.xml** files from the USB storage device into the recorder software folder window. Leave the recorder software folder window open for the next step.

Step 4 — Open the Config.xml File

Use the following procedure to open and view the config.xml file.

- a. With the recorder software folder window open, right-click on the **config.xml** file and select the **Open with “Emacs Text Editor”** option (follow steps 2c through 2e on page 1 for information on navigating to the recorder software folder).
- b. Near the bottom of this file is an IP address named **st_localIp0** (see figure 6). Make note of this IP address for the next step.

Step 5 — Set the VNM Recorder IP Address

Use the following procedure to change the network settings of the VNM Recorder.

- a. If necessary, enter the administrator username and password on the VNM Recorder login screen (see step 2c on page 1).
- b. From the menu bar on the desktop, select **System > Administration > Network**. The Network Configuration window appears (see figure 7).
- c. Select the **eth0** (upper Ethernet connector) device line to highlight it. The status should read **Active**.
- d. Click on **Deactivate**. The status of the **eth0** device should now read **Inactive**.
- e. Double-click on the **eth0** device line. The Ethernet Device window appears (see figure 8).
- f. Fill in the **Address** field using the IP address noted in step 4 and then click **OK**.
- g. Navigate back to the Network Configuration window (see step 5b). Select the **eth0** device and then click **Activate**.
- h. If changes were made, a prompt appears asking to confirm the changes. Click **Yes** to confirm and save the changes.
- i. Another window appears. Click **OK** to continue.
- j. A loading window appears and the necessary changes are made to the system. After the loading window disappears, navigate back to the Network Configuration window and check that the status of the **eth0** device now reads **Active**.
- k. Close the Network Configuration window.

Step 6 — Restart the VNM Recorder

Power down the recorder by pressing and holding the power button on the front panel until the power LED turns off. After a few seconds, turn the recorder back on. The recorder is now ready for operation.

```
<string>
  <name>st_controlIp</name>
  <value>192.168.254.254</value>
</string>
<int>
  <name>st_controlPort</name>
  <value>5432</value>
</int>
<string>
  <name>st_localIp0</name>
  <value>192.168.254.254</value>
</string>
</attributes>
</object>
</serialization>
```

Note this value

Figure 6. Config.xml Text Window

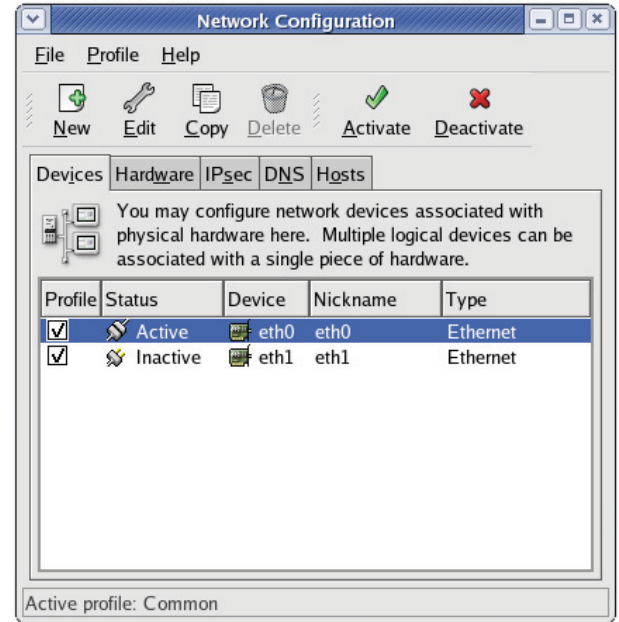


Figure 7. Network Configuration Window

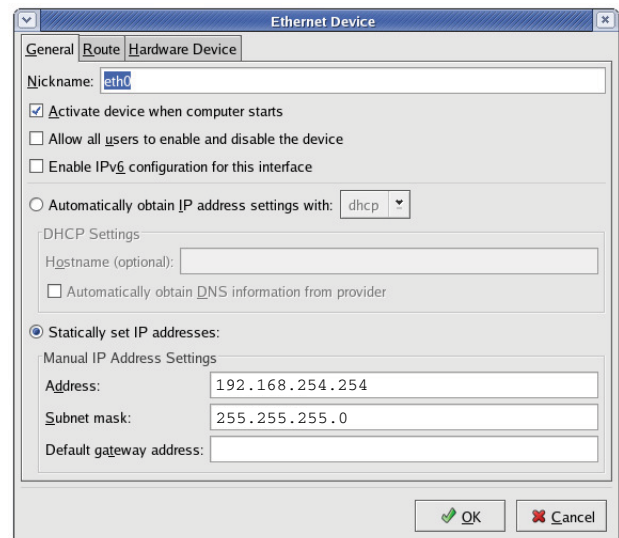


Figure 8. Ethernet Device Window

Installation Checklist

- ☐ **Check the firmware** on the VN-Matrix network and the replacement hard drives (see page 1).
- ☐ **Copy the configuration settings** of the VNM Recorder (see page 1).
- ☐ **Remove** the existing hard drives (see page 1).
- ☐ **Install** the replacement hard drives (see page 2).
- ☐ **Load the configuration settings** onto the VNM Recorder (see page 2).
- ☐ **Open the config.xml file** (see page 3).
- ☐ **Set the VNM Recorder IP address** (see page 3).
- ☐ **Restart** the VNM Recorder (see page 3).

Extron USA - West Headquarters	Extron USA - East	Extron Europe	Extron Asia	Extron Japan	Extron China	Extron Middle East
+800.633.9876 Inside USA/Canada Only +1.714.491.1500 +1.714.491.1517 FAX	+800.633.9876 Inside USA/Canada Only +1.919.863.1794 +1.919.863.1797 FAX	+800.3987.6673 Inside Europe Only +31.33.453.4040 +31.33.453.4050 FAX	+800.7339.8766 Inside Asia Only +65.6383.4400 +65.6383.4664 FAX	+81.3.3511.7655 +81.3.3511.7656 FAX	+400.883.1568 Inside China Only +86.21.3760.1568 +86.21.3760.1566 FAX	+971.4.2991800 +971.4.2991880 FAX

68-2034-50
Rev. A
08 11