

MORE ON NOVELL

Overview

This file provides additional information for Novell environments. It should be used if you cannot find what you need in the M202Plus product manual.

Within this file, you will find information about:

- changing the M202Plus print server name - *Changing the M202Plus Name* on page 2.
- RPRINTER configuration for NetWare 3.x environments - *NetWare Version 3.x RPRINTER Setup* on page 3.
- RPRINTER configuration for NetWare 4.x environments - *NetWare Version 4.x RPRINTER/NPRINTER Setup* on page 6.

M202Plus Configuration

As mentioned in the M202Plus product manual and release notes, there are no mandatory Novell settings needed before the print server can be detected on the network. However, there can be some mandatory settings needed before a Novell print queue can be serviced by the M202Plus. These settings are covered within each print setup's section under the *Host Configuration* heading.

As for optional M202Plus settings, this section covers some of the more common ones.

Changing the M202Plus Name

When defining a new print queue on a Novell file server, a new print server must be defined to represent the M202Plus. This name must match the pre-defined name given to the print server. By default, this name is in the format "M_XXXXXX" where "XXXXXX" equals the last six digits of the M202Plus's Ethernet address found on the bottom of the device (e.g. M_071C1A).

If using the HTML forms to do this, you will need to:

- 1 Load a Web browser on a network station that can communicate with the print server over TCP/IP. If this can't be done, you will need to attach a PC/laptop/terminal off of one of the serial ports and log in directly to the M202Plus command shell. The command to change the print server name is:

Syntax:

```
store pserver name newname
```

Example to change the name to **micro1**.

```
store pserver name micro1
```

- 2 Direct your Web browser to URL "**http://M202PlusIPAddress/adminConf.html**" (e.g. "**http://192.75.11.9/adminConf.html**").

Note: If prompted for a “User ID” and password first, type in “**root**” for the ID and press ENTER at the password prompt since there’s no password by default.

- 3 At the “Administration Configuration” HTML form that displays, highlight the field beside the “Name” heading and type in the new name of the print server.
- 4 Click on the SUBMIT button when done and physically repower the print server to make the new setting take effect.

Host Configuration

The M202Plus product manual and release notes cover PSERVER setups under NetWare 3.x and NetWare 4.x environments. However, RPRINTER (or NPRINTER under NetWare 4.x) setups are allowed as well with the M202Plus. This section covers these additional setups for you.

Note: The M202Plus can service up to four printers on one file server. It cannot service multiple file servers at one time.

NetWare Version 3.x RPRINTER Setup

Note: THESE STEPS ARE FOR NOVELL ENVIRONMENTS WITH NETWARE 3.X (OR EARLIER) FILE SERVERS.

To configure a new RPRINTER on a NetWare 3.x network, you will need to:

- 1 Log in to the M202Plus’s command shell, npsh, as root.

If you have TCP/IP available and this print server already has an IP address stored within it, you can use the built-in HTML configuration forms or a Telnet session. Please see the *Configuration Tools* chapter within

the product manual for further details. If you have only Novell available, you will need to use a PC/laptop/terminal off of COM1 or COM2 on the M202Plus. Please see the *Serial Port Login Sessions* section within the product manual for more information.

Note: If you use HTML configuration, you will need to go to the “Network Configuration” HTML form (i.e. “`http://M202PlusIPaddress/networkConf.html`”; e.g. “`http://192.75.11.9/networkConf.html`”) and look under the “Novell” section. The settings in the following step are found there. If using a Telnet session, you will need to manually execute the commands listed in the next step.

- 2 Store the RPRINTER settings on the M202Plus. This will refer to an existing PSERVER.NLM on the file server or to one that you will create later in these steps.

Syntax:

```
store rprinter add PSERVERname printer-
number M202Plusdestination
```

Example for an RPRINTER servicing printer **0** of the PSERVER.NLM called **pserver1** and sending jobs to the M202Plus destination **d1prn1**:

```
store rprinter add pserver1 0 d1prn1
```

- 3 Leave this M202Plus login session and log on to the NetWare 3.x file server as Supervisor.
- 4 Load a PSERVER.NLM if there isn't one loaded already. This will be the PSERVER that the M202Plus services as an RPRINTER so it must match the PSERVER name given in Step 2.

- 5 Enter PCONSOLE.
- 6 Select “Print Queue Information” from the PCONSOLE Main Menu.
- 7 Press INSERT to add a new queue to the list of currently-defined queues showing.
- 8 Type in the name of this new queue when prompted and press ENTER. This can be any name you’d like.
- 9 Press ESCAPE to return to the Main Menu.
- 10 Select “Print Server Information” and press ENTER.
- 11 Press INSERT when the list of existing print servers displays.
- 12 Select the print server that you want the M202Plus to service as an RPRINTER. This is the PSERVER.NLM loaded earlier.
- 13 Select “Print Server Configuration” from the menu that displays.
- 14 Select “Printer Configuration” from the next menu to display a list of configured printers.
- 15 Select an item from the list (i.e. either an existing printer name or a “Not Installed” one) to display the printer’s configuration window.
- 16 Assign a name (if not an existing printer) to this printer.
- 17 At the “Type” field, select “Remote Other/Unknown”.
- 18 Press ESCAPE to save the changes.
- 19 Press ESCAPE until back at the “Print Server Configuration” Menu .
- 20 Select “Queues Serviced by Printer” to display a list of defined printers.

- 21 Select the printer you just defined and press ENTER.
- 22 At the list of queues that displays, press INSERT to add a queue to the list.
- 23 Select the queue defined earlier and press ENTER.
- 24 When prompted for a priority, press ENTER to select the default or select a priority.
- 25 Press ESCAPE until you have exited PCONSOLE.
- 26 Reload the PSERVER.NLM that the M202Plus is to service as an RPRINTER.
- 27 Repower the M202Plus by unplugging and plugging in the power supply.
- 28 Wait two minutes and then check your PSERVER to see if the appropriate printer is being serviced. The printer should say something about "Waiting for job".

At this point, the M202Plus knows to receive any jobs this PSERVER.NLM has to send to it through the defined printer.

NetWare Version 4.x RPRINTER/NPRINTER Setup

Note: THESE STEPS ARE FOR NOVELL ENVIRONMENTS WITH NETWARE 4.X FILE SERVERS.

To configure a new RPRINTER/NPRINTER on a NetWare 4.x network, you will need to:

- 1 Log in to the M202Plus's command shell, npsh, as root.

If you have TCP/IP available and this print server already has an IP address stored within it, you can use the built-in HTML configuration forms or a Telnet session. Please see the *Configuration Tools* chapter within the product manual for further details. If you have only Novell available, you will need to use a PC/laptop/ter-

minal off of COM1 or COM2 on the M202Plus. Please see the *Serial Port Login Sessions* section within the product manual for more information.

Note: If you use HTML configuration, you will need to go to the “Network Configuration” HTML form (i.e. “`http://M202PlusIPAddress/networkConf.html`”; e.g. “`http://192.75.11.9/networkConf.html`”) and look under the “Novell” section. The settings in the following three steps are found there. If using a Telnet session, you will need to manually execute the commands listed in the next three steps.

- 2 Tell the M202Plus to operate in Novell Directory Services (NDS) mode rather than Bindery mode. This is needed since the PSERVER.NLM the M202Plus is to service resides on a NetWare 4.x file server.

Syntax:

```
store pserver novell mode nds
```

- 3 If the M202Plus’s NDS context is different from the context of the file server it will be servicing, define its context.

Syntax:

```
store pserver novell context NDScontext
```

Example:

```
store pserver novell context eng.mplex
```

- 4 Store the RPRINTER settings on the M202Plus. This will refer to an existing PSERVER.NLM on the file server or to one that you will create later in these steps.

Syntax:

```
store rprinter add PSERVERname printer-  
number M202Plusdestination
```

Example for an RPRINTER servicing printer **0** of the PSERVER.NLM called **pserver1** and sending jobs to the M202Plus destination **d1prn1**:

```
store rprinter add pserver1 0 d1prn1
```

- 5 Leave this M202Plus login session and log on to the NetWare 4.x file server as Supervisor.
- 6 Load a PSERVER.NLM if there isn't one loaded already. This will be the PSERVER that the M202Plus services as an RPRINTER so it must match the PSERVER name given in Step 4.
- 7 Load NWAdmin.
- 8 Select the NDS context in which the M202Plus will fall under.
- 9 Once selected, click on the right mouse button and select "Create" from the pop-up menu to create a new object within this NDS context.
- 10 At the "New Object" window that displays, select "Print Queue" and click OK.
- 11 At the "Create Print Queue" window that displays, type in the name for this new queue. It can be any name you'd like.
- 12 Make sure "Directory Service Queue" is selected in this dialogue box.
- 13 Select the file server volume for this queue. Use the browsing button to the right of this field if you don't know the volume.
- 14 Click CREATE when done to add this queue within the NDS context.

- 15 Select the NDS context again in which the M202Plus will fall under.
- 16 Once selected, click on the right mouse button and select “Create” from the pop-up menu to create another new object within this NDS context.
- 17 At the “New Object” window that displays, select “Printer” and click OK.
- 18 At the “Create Printer” window that displays, type in the name for this new printer. This name *must be* one of the pre-defined destinations/queues on the M202Plus. This will normally be “**d1prn1**” for the PRN1 port, “**d2prn2**” for the PRN2 port, “**d3com1**” for the COM1 port, and “**d4com2**” for the COM2 port.
- 19 Click CREATE when done to add this printer within the NDS context.
- 20 Select this new printer from the list and double click on it.
- 21 Press ASSIGNMENTS at the window that displays.
- 22 At the next window, press ADD.
- 23 Find the queue created earlier in these steps in the list that displays and click OK when done.
- 24 Ensure this remote printer is loaded manually, not automatically. You *cannot* have “Auto Load” set with an M202Plus acting as an RPRINTER.
- 25 Select OK to exit back to the context list.
- 26 Find the PSERVER.NLM object in the context list and double click on it.
- 27 Press ASSIGNMENTS at the window that displays.
- 28 At the next window, press ADD.
- 29 Find the printer created earlier in these steps in the list that displays and click OK when done.

- 30 Select OK to exit back to the context list.
- 31 Reload the PSERVER.NLM that the M202Plus is to service as an RPRINTER.
- 32 Repower the M202Plus by unplugging and plugging in the power supply.
- 33 Wait two minutes and then check your PSERVER to see if the appropriate printer is being serviced by the M202Plus.

At this point, the M202Plus knows to receive any jobs this PSERVER.NLM has to send to it through the defined printer.