

Model: NIB Type2000 for Stinger-P		Date: 27-Jun-01	No.: RG031006
Subject: Firmware History for NIB		Prepared by: M. Kitajima	
From: Technical Services Dept., GTS Division			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other (      )		

Firmware history for the NIB Type 2000.

### A. FILE INFORMATION

Firmware	File No.	Version	Production
rst538.upd	V538.zip	5.38	First production
rst555.upd	V555.zip	5.55	Apr. production '00
rst565a.upd	V565.zip	5.65a	Jan. production '01

### B. Corrected Symptom

Symptom Corrected	Version
<ol style="list-style-type: none"> <li>IPP printing (v1.0) is supported. (See Note 1.)</li> <li>AS400 problem in Australia—system hung up with remote print from AS400—has been fixed. (The countermeasure for NIB 450e has been included in NIB type 2000)</li> <li>VAX/VMS problem—job remains in the queue after printing from VAX system—has been fixed. (The countermeasure for NIB 450e has been included in NIB type 2000)</li> <li>IP fragmentation problem with token ring/Ethernet converter has been fixed.</li> <li>It is possible to fix the network speed at 100M or 10M bps.</li> </ol>	5.65a
<ol style="list-style-type: none"> <li>The field problem of poor performance with NetWare has been fixed.</li> <li>CIDR is supported.</li> <li>It is possible to enable or disable TCP/IP.</li> </ol>	5.55
First release.	5.38

#### Note 1: IPP printing

The feature is supported only by Stinger-P3II and Stinger-P4II (not supported by Stinger-P3/P4).

Windows 2000 or Windows 98/ME allow IPP printing. The IPP client program must be installed in Windows 98/ME before using the feature. The IPP client program, WPNPINS.exe, is on the Microsoft Web site.

With the Add printer wizard, an IPP port can be specified as follows:

URL) http://XXX.XXX.XXX:631/Print   XXX is the IP address of the printer.

#### Note 2: Network speed

The network speed can be fixed at 100Mbps or 10Mbps with the built-in web browser.

Be aware that the machine will never communicate with the host if the wrong network speed has been set by accident.

Reissued: 30-Oct-02

Model: Stinger-P3/P4	Date: 27-Jun-01	No.: RG031006a
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### RTB Correction

The items in bold italics have been corrected or added.

Subject: Firmware History for NIB		Prepared by: K.Miura	
From: Technical Services sec. Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input checked="" type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Other ( )		

Firmware history for the NIB Type2000.

### A. FILE INFORMATION

Firmware	File No.	Version	Production
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rst555.upd	V555.zip	5.55	Apr. production '00
rst565a.upd	V565.zip	5.65a	Jan. production '01
<b><i>rst572b.upd</i></b>	<b><i>V572.zip</i></b>	<b><i>5.72b</i></b>	<b><i>Oct. production '01</i></b>
<b><i>rst576c.upd</i></b>	<b><i>V576.zip</i></b>	<b><i>5.76c</i></b>	<b><i>Sep. production '02</i></b>

### B. Corrected Symptom

Symptom Corrected	Version
<ol style="list-style-type: none"> <li><b><i>Network connection is broken.</i></b></li> <li><b><i>Panel freezes when multiple buttons are pressed continuously.</i></b></li> </ol> <p><b><i>Other changes:</i></b></p> <ol style="list-style-type: none"> <li><b><i>The following IP protocols can be enabled/disabled: HTTP, Telnet, FTP, SNMP, IPP, LPR, Rawsocket.</i></b></li> <li><b><i>SNMP Community name can be changed.</i></b></li> <li><b><i>SAP interval can be changed.</i></b></li> <li><b><i>Software now supports NetWare 6.</i></b></li> <li><b><i>SNMP security improved (CERT test path).</i></b></li> </ol>	<b><i>5.76c</i></b>
<ol style="list-style-type: none"> <li><b><i>NIB450E disconnects from the network.</i></b></li> <li><b><i>Socket Printing response interval (to FIN) reduced from 2sec to 100ms.</i></b></li> <li><b><i>Memory size for the entire PostScript Banner increased from 120 bytes to 256 bytes. This is for the entire Banner, which includes the host name, user name and file name.</i></b></li> <li><b><i>Ghost server problem: Multicast hash table used for Ethernet driver. This allows only specific AppleTalk multicasts instead of all multicasts, preventing the NIC from crashing during multicast storms.</i></b></li> </ol> <p><b><i>Other changes:</i></b></p> <p><b><i>Software modified to support WINS.</i></b></p>	<b><i>5.72b</i></b>

Model: NIB450e		Date: 20-Dec-02	No.: RA855004
Subject: FTPDL V1.50a		Prepared by: Y.Urushihara	
From: Technical Services sec. Service Planning Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input checked="" type="checkbox"/> Other ( )		

### FTP Download Version 1.50a

#### <System Requirements>

Windows95/98/Me/2000/NT/XP  
TCP/IP protocol installed

#### <Target Models>

NIB 450E  
NIB Type2000  
NIB Type1018

#### <Target firmware>

- ✓ Rewriting possible.
- ✦ Rewriting possible, but the printer needs to be rebooted.
- Rewriting not possible.

NIB 450E		To:					
		V2.38	V2.46	V2.49	V2.52b	V4.01a	V4.02b
From:	V2.38	✓	✓	✓	✓	✦	✦
	V2.46	✓	✓	✓	✓	✦	✦
	V2.49	✓	✓	✓	✓	✦	✦
	V2.52b	✓	✓	✓	✓	✦	✦
	V4.01a	---	---	---	---	✓	✓
	V4.02b	---	---	---	---	✓	✓

NIB Type2000		To:		
		V5.38	V5.65a	V5.72b
From:	V5.38	✓	✓	✓
	V5.65a	✓	✓	✓
	V5.72b	✓	✓	✓

Model: NIB450e	Date: 20-Dec-02	No.: RA855004
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NIB Type1018		To:		
		V6.18	V6.19	V6.27a
From:	V6.18	✓	✓	✓
	V6.19	✓	✓	✓
	V6.27a	✓	✓	✓

**<Testing complete on following firmware versions>**

[NIB 450E]

v2.38, v2.46, v2.49, v2.52b, v4.01a, v4.02b

[NIB Type2000]

v5.38, v5.65a, v5.72b

[NIB Type1018]

v6.18, v6.19, v6.27a

**<Download Procedure>**

**Important:** Make sure the printer main power is off before beginning.

1. Connect the PC to the NIB.

Both LAN and direct cross-cable connection are possible. However, if using a LAN connection, it is best to choose an environment with low network traffic.

2. Uninstall the firmware currently installed (if a FTPDL file is present).

3. Run the self-extracting file FTPDL150a.EXE, then specify the directory you wish to extract the file to.

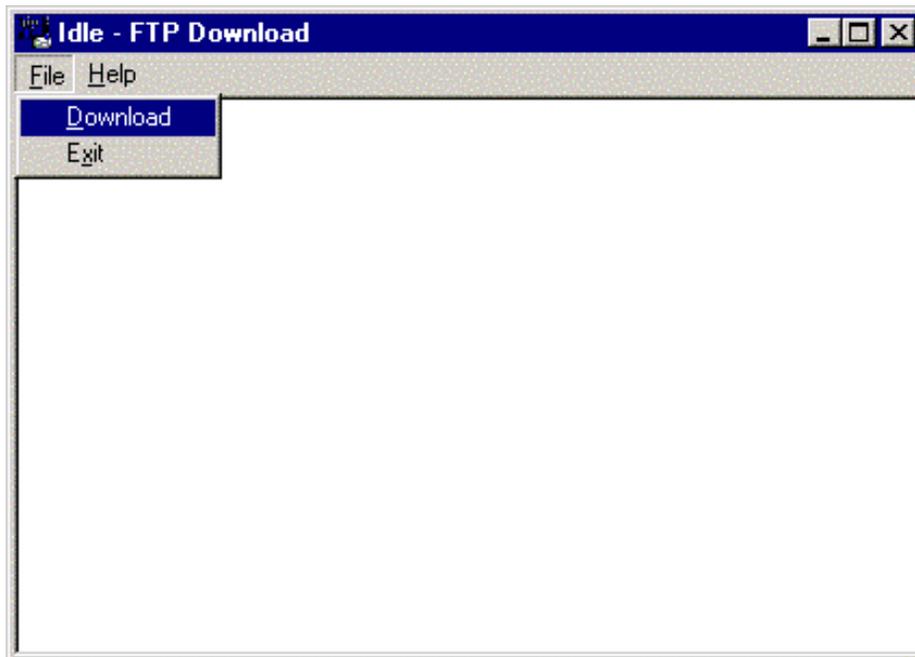
4. Run SETUP.EXE, located inside the self-extracting file above to begin the installation.

**Note:** For multi-OS environments, it is necessary to specify one operating system for the installation.

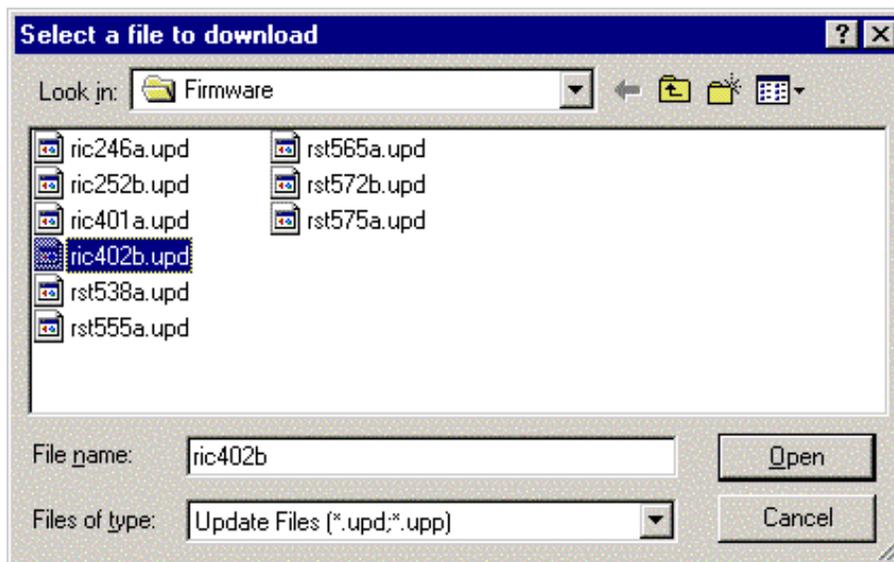
5. Turn on the printer main power and wait until it has booted up completely. If the NIB status sheet print has been activated, please wait until this sheet is printed out.

6. Enable TCP/IP for the target NIB.

7. Run FTPDL150a and click [File] – [Download]



8. Select the UPD firmware file and click [Open]



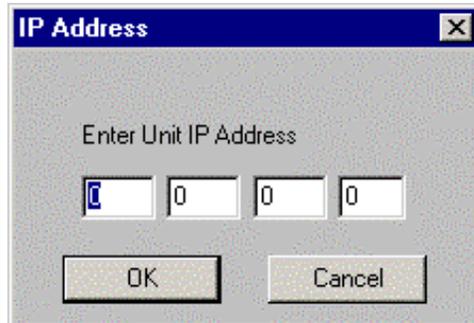
Model: NIB450e

Date: 20-Dec-02

No.: RA855004

9. Input the target IP address

10. Input the target password ("sysadm").



**Important:** For Steps 11-13, please:

- Do not turn on the machine main power
- Do not send any print data to the machine
- Do not access an http:// internet page.
- Do not connect with TELNET or FTP

11. The machine will display "Downloading NIC Update Program [BIN] to NIC", and begin downloading the BIN file. This will take about 2 minutes, during which time the panel will show how much has been completed (%).

12. The display will then change to "Downloading Flash Update File [UPD] to NIC", and the machine will begin downloading the UPD file. This will take about 3 minutes, during which time the panel will show how much has been completed (%).

13. After the UPD file download has been completed, the machine will display "Unit updated", and will then begin formatting the NIB. Please wait for this to finish (at least 2 minutes), and if NIB status sheet printing has been activated, please wait for the sheet to be printed out.

**Important:** Since a firmware update also overwrites the actual program that brings the firmware on line (booting program), if the power is turned off before the 2 minutes are up, the machine will in most cases not come back on line (not recover). Therefore it is very important to wait the 2 minutes after the "unit updated" message is displayed."



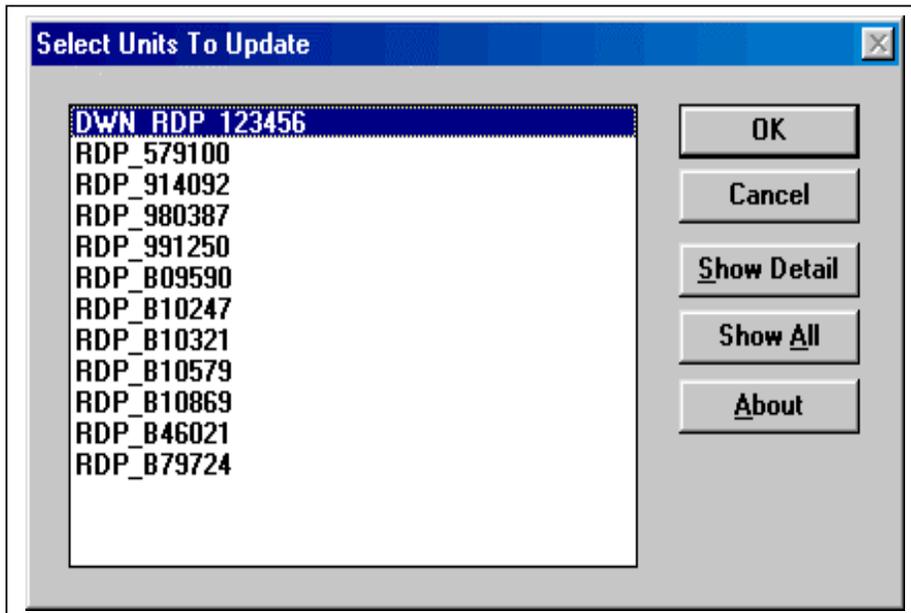
Model: NIB450e

Date: 20-Dec-02

No.: RA855004

**<Recovery Method>****Important:** Make sure the printer main power is off before beginning.

1. Remove the NIB, then move the jumper pin to the ON position (“BYPASS”).
2. Reattach the NIB and turn on the printer main power.
3. Run the FlashUp tool and select the firmware (UPD file).
4. In the following screen, confirm that the NIB is displayed (DWN\_RDP\_xxxxxx). If it is not, recovery cannot be performed using this tool, and the NIB will need to be reprogrammed by the manufacturer (NetSilicon).
5. Select the NIB and click OK. The update will then be performed automatically.



6. After the update is completed, return the NIB jumper pin to its original position (OFF). Then, turn on the printer main power.

Model: NIB450e

Date: 20-Dec-02

No.: RA855004

**<Limitations>**

1. It is not possible to rewrite NIB 450E firmware v4.xx or newer with v2.xx or older.
2. After upgrading from v2.xx to v4.xx, it is necessary to reboot the printer.
3. It is very rare for the panel display to freeze while the download is in progress.  
However, even if this should happen, it is possible that the download itself is still proceeding normally. Therefore please wait 4-5 minutes before rebooting the machine.