Technical Bulletin

Reissued: 21-Mar-00

Model: NAD 30S/30/40

Date: 03-Feb-00 No

No.: RA230053a

RTB Correction

The items in bold italics have been corrected or added.

Subject: NAD NIB HISTORY		Prepare	d by: K. Ugaeri	
From: Technical	Services Dept., GTS Division			
Classification:	Troubleshooting	Part informa	tion	Action required
	🗌 Mechanical	Electrical		Service manual revision
	Paper path	Transmit/rec	eive	Retrofit information
	Other ()			

Firmware history for the NAD30/40 NIB Option.

Firmware	File No.	Version	Production
Ric231a.upd	V231.zip	2.31a	1st Mass Prod.
Ric235b.upd	V235b.zip	2.35b	August Prod. '99
Ric238a.upd	V238a.zip	2.38a	October Prod.'99

Symptom Corrected	Version
No log on to NDS for Novell 4.11	2.38a
The CIDR (Classless Inter – Domain Routing) feature is supported.	
When a reset is required in SNMP, the NIB will reset without any response and hang	2.35b
up.	

* Version 2.40 was temporary released in a Field Problem Report. This is not officially released due to its side effects. Do not use this version in the filed.

Model: NAD 30S/30/40

Date: 03-Feb-00

No.: RA230053

PAGE: 2/2

A2915582	A891-01
E	H0290600008~
F	H2090800001~
G	H2091100001~

A2915584	A891-02
D	H2090600008~
E	H2090700025~
F	H2090900486~
G	No production
Н	ТВА

A2915585	A891-02
	H2090900486~
Α	No production
В	ТВА

A2915586	A891-02
	H2090900486~
Α	No production
В	ТВА

A2915587	A891-03
	H2090601551~
A	ТВА

Technical Bulletin

Model: Eland 99 (Network Interface Board)		Dat	te: 21-Mar-00	No.: RG678001	
Subject: ROM History				Prepared by: K. Miura	
From: Technical Services Dept., GTS Division					
Classification:	Troubleshooting	Part inf	orma	nation Action required	
	🗌 Mechanical	Electric	al	Servic	ce manual revision
	Paper path	🗌 Transm	it/rec	eive 🛛 Retro	fit information
	Other ()				

Firmware history for Eland 99 (Network Interface Board).

The software versions listed below can be used for the NIBs of the following models: Stinger-C1/ Stinger-C1L/ Russian-C1/ Russian-P/ Adonis-C/ Adonis-P/ FresaWIN/ PomeloWIN/ Color Controller RC-200

	File No.		
G6785839	(G678Rxxx)	Version	Production
В	001	3.7.5	1st release
С	002	3.7.7	February Prod. '99
D	003	3.8.6	March Prod. '99
E	004	3.8.7	April Prod. '99
F	005	3.8.8	June Prod. '99
G	006	3.9.2	July Prod. '99
Н	007	3.9.8	October Prod. '99
J	008	4.0.0	November Prod. '99

Symptom Corrected	
PCL text filter support has been added.	J
The "RICOH" brand name has been deleted from several	J
functions and reports.	
An Italian wording for "Config Reference" used in the Web status	Н
monitor has been changed to "Riferim. Config".	
A Spanish wording for "Default Gateway Address" used in the	Н
Web status monitor has been changed to "Direcci. Gateway".	
A type of Cisco router caused a problem in browsing the NIB in	Н
AppleTalk network. The cause of this was in the Cisco router, but	
the NIB firmware has been modified to fix this.	
When a printer error occurs, the printer information cannot be	G
accessed using Macintosh printer utilities such as the Apple	
Printer Utility.	
The IPP (Internet Printing Protocol) function has been added.	G
On the web status monitor, the wording in German was incorrect.	F
"FreierSpeicher" has been corrected to "Freier Speicher".	
The Web status monitor displays a "No Tray/No Paper" error	F
when a tray is not closed completely. The message in this case	
has been changed to "Other error".	



Model: Eland 99 (Network Interface Board)

Technical Bulletin

Date: 21-Mar-00

No.: RG678001

Symptom Corrected	
Disabling (Down) or enabling (Up) AppleTalk protocol from the	F
operation panel sometimes did not take effect after the change.	
To avoid this, the firmware has been changed to save a new	
setting to the NVRAM immediately after a change.	
One banner page data of NetWare was split into two pages when	E
using NetWare 3.12 pserver mode.	
In the NetWare remote printer mode, the NIB consumed a server	E
connection license. To avoid this, the firmware has been	
modified to disconnect the NCP connection immediately after the	
remote printer has connected to the server.	
Software modified so that it can also be used for the Stinger-C.	D
On the web status monitor, the incorrect icon was used for	С
"Paper Empty".	
When the NIB was receiving five communications (five print jobs)	С
from PCs at the same time, any additional print job (6th print job)	
disappeared.	

PAGE: 2/2

Technical Bulletin

Model: NIB 450E			Dat	te: 26-May-00	No.: RA855001
Subject: NIB Firmware History				Prepared by: K.	Takagi
From: Technical					
Classification:	 Troubleshooting Mechanical Paper path Other () 	Part inf Electric Transm	al	Servio	n required ce manual revision fit information

Firmware history from V2.38 to 2.46a for the NIB-450e Option

Firmware	File No.	Version	Production
Ric246a.upd	V246.zip	2.46a	June Prod. 2000

Directory on the FTP server (QAC server): \Firmware\Nib\NIB-450e

File Name: ric246a.zip

	Fixed Bug	Version
	. LPR printing fix. When the connection request list was cleared due to duplicate requests, the flag was not set to accept new requests. This could result in the NIB not responding to connection requests for a period of time.	2.38
	 Improved the fix from 2.37 for LPD printing to properly handle the LPD Daemon Command 1 (print waiting jobs). 	
	5. Fixed reset after flash download.	
4	. Fixed html page test print.	
	. Now the NDS tree and context is not lost when downloading a new ROM version.	2.39
	 Fixed reset after flash download. 	
	 Fixed HTML reset from Internet Explorer supporting HTTP 1.1. The reset would work, but it would take 2 minutes due to persistent connections. 	
4	Clear zero length AppleTalk name when NIB loads AppleTalk stack.	
	5. SNMP Fixes.	
(Added a range check on NetWare Frame Type. a. Fixed Get Next for NetWare Queue Index and Message Index. 	
	b. Changed NetWare Port Table To 1 blank entry.	
	c. Made all email objects not supported. Most show as "N/A" and some have values, but now none are writeable.	
	Fix Novell Notify to user after a job.	
	Added new mfdiag15 to the build tree to save and to restore NVRAM.	
9	D. Added code to reinitialize card if the prefix doesn't match what is in NVRAM. This is	
	mostly for manufacturing when downloading different code into a NIB card.	
	0. Fixed consistency of enable / disable and made serial number read / only in SNMP.	
	1. Fixed data out of order on concatenated LPR jobs with banners enabled.	
	. Fixed potential crash during soft reset where an interrupt could hit before the vector table was set.	2.40
	2. Fixed problem where MAP could display unit as NPS_XXXXXX.	
	 Fixed end_doc / start_doc between concatenated LPR jobs from Linux. It sends ctrl files 	
	in a different way than UNIX.	
4	. Fixed a problem where the HTTP server could reset the connection before all the data	
	was sent.	
4	 Now can detect 0 as an invalid IP Address in the 1st and last IP Address location in HTML. 	



Model: NIB 450E

Date: 26-May-00

No.: RA855001

	Fixed Bug	Version
6.	Fixed Novell NDS printing on 802.2.	2.40
	Fixed Sockets Printing for the AS400 (fin followed by reset connection).	
	Fixed LPR control file fragmentation problem.	
1.	UDP Broadcast Filter.	2.41
2.		
3.		
4.	, , ,	
1.		2.42
2.		
	Fixed DHCP offer with destination IP Address not equal to 255.255.255.255.	
4.	TCP Page accepted changes with any password. Not all products are affected. Need to	
т.	test individually.	
5.	Changed configuration manager to address loss of serial number problem.	
	Added a ":" after word Address on Network Address Page.	
7.	TCPIP being disabled caused problems for IPX on IPP builds.	
	Fixed potential reset after LPD SYN/FIN command.	
9.		0.40
1.	Fixed 100 base T auto detection by using link instead of auto negotiate complete.	2.43
2.		
1.	Changed Novell Network ID to HEX on the status page.	2.44
2.		
3.		
4.		
5.		
6.		
7.	U	
8.		
1.	IP Fragmentation fix.	2.45
	Fixed echo on 2nd Telnet Login.	
3.	Fixed SNMP Traps.	
1.	Network speed selection (New function)	2.46a
	By default, the Network Interface Board (NIB) automatically detects the available speed of	
	the network connection during power-on initialization and sets the appropriate speed.	
	However, in some limited configurations, it may be desired to shut down the source	
	device while leaving the printer powered on.	
	When the NIB detects the lost connection, it will try to reconnect and default to 10MB	
	mode. After the source device connection is returned, it will not restore the connection, if	
	it is 100MB only.	
	To compensate for this, a special Network Speed Selection HTML page is available to	
	select a single network speed for the NIB.	
	This page may be accessed by specifying <nic address="">/nic/speed on your browser. The</nic>	
	default selection is "Auto". If one of the single speed selections is set, the NIB will only	
	operate in that mode until either the operator changes the selection or restores the factory	
	settings.	
	To select a single speed, click on the desired button (10 or 100), and then click "Apply".	
	Reset the printer and verify the correct speed setting via a status page.	
	The new setting may be verified by printing a network status page. Once set, the speed	
	should remain in that setting during power cycles.	
	Should remain in that setting during power cycles.	

Technical Bulletin

Model: NIB 450E			Dat	e: 12-Dec-00	No.: RA855002
Subject: Firmware Release				Prepared by: K.	Гакаді
From: Technical					
Classification:	Troubleshooting	Part inf	orma	tion 🗌 Actior	n required
	Mechanical	Electric	al	Servio	ce manual revision
	Paper path	Transm	it/rec	eive 🗌 Retro	fit information
	Other ()				

Firmware history from V2.38 to 2.46a for the NIB-450e Option.

Firmware	File No.	Version	Production
Ric231a.upd	V231.zip	2.31a	1st Mass Prod
Ric235b.upd	V235b.zip	2.35b	August Prod. 1999
Ric238a.upd	V238a.zip	2.38a	October Prod. 1999
Ric246a.upd	V246.zip	2.46a	June Prod. 2000
Ric249a.upd	V249.zip	2.49a	October Prod. 2000

Directly on the Internet WEB server:

MFP\NIB-450e\USA_EUR_ASI\V2.49a\V249.exe

Fixed Bug	Version
1. When an SNMP reset is required, the NIB will reset without any response and hang up.	2.35b
1. No log on to NDS for Novell4.11	2.38a
2. LPR printing fix. When the connection request list was cleared due to duplicate requests, the	
flag was not set to accept new requests. This could result in the NIB not responding to	
connection requests for a period of time.	
3. Improved the fix from 2.37 for LPD printing to properly handle the LPD Daemon Command 1	
(print waiting jobs).	
4. Fixed reset after flash download.	
5. Fixed test print html page.	
 Now the NDS tree and context is not lost when downloading a new ROM version. 	2.46a
2. Fixed reset after flash download.	
3. Fixed HTML reset from Internet Explorer supporting HTTP 1.1. The reset would work, but it	
would take 2 minutes due to persistent connections.	
Clear zero length AppleTalk name when the NIB loads the AppleTalk stack.	
5. SNMP Fixes.	
Added a range check to NetWare Frame Type.	
 Fixed Get Next for NetWare Queue Index and Message Index. 	
b. Changed NetWare Port Table To 1 blank entry.	
c. Made all email objects not supported. Most shown as "N/A" and some have values, but	
now none are writeable.	
7. Fix Novell Notify to user after a job.	
Added new mfdiag15 to the build tree to save and to restore NVRAM.	
9. Added code to reinitialize card if the prefix doesn't match what is in NVRAM. This is mostly	
for manufacturing when downloading different code into a NIB card.	
10. Fixed consistency of enable / disable and made serial number read / only in SNMP.	
11. Fixed data out of order on concatenated LPR jobs with banners enabled.	
12. Fixed potential crash during soft reset where an interrupt could hit before the vector table was	
set.	
13. Fixed problem where MAP could display the unit as NPS_XXXXXX.	

PAGE: 2/3

Model: NIB 450E

Date: 12-Dec-00

No.: RA855002

 Fixed end, doc / start_doc between concatenated LPR jobs from Linux. It sends ctrl files in a different way than UNIX. Fixed a problem where the HTTP server could reset the connection before all the data was sent. Now can detect 0 as an invalid IP Address in the 1st and last IP Address location in HTML. Fixed Aoxela NDS printing on 802.2. Fixed Novell NDS printing on 802.2. Fixed LPR control file fragmentation problem. UDP Bracadcast Filter. Fixed Sockets Printing for the AS400 (fin followed by reset connection). Fixed LPR control file fragmentation problem. UDP Aradcast Filter. Fixed Novell NDIfy toner out message. It was sending "toner low." Fixed UPP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed UPP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed DPD filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed DHCP offer with destination IP Address not equal to 255.255.255.255. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. Changed configuration manager to address loss of serial number problem. Added a "" after word Address on Network Address Page. TCPIP being disabled caused problems for IPX on IPP builds. Fixed MAP over IPX when TCP/IPI is disabled. Fixed ADA base T auto detection by using link instead of auto negotiate complete. SNMP fix returning bad values. Changed Abvell Frame Type algorithm for frame type discovery. Fixed Flash. up on an isolated network. Fixed Flash up on an isolated network. Fixed Flash up on an isolated network. Fixed ADP Flash Geotor for Her Jobs by removing ATTN_EOF between jobs. Fixed ADP Fla		Fixed Bug	Version
 a different way than UNIX. 15. Fixed a problem where the HTTP server could reset the connection before all the data was sent. 16. Now can detect 0 as an invalid IP Address in the 1st and last IP Address location in HTML. 17. Fixed Novell NDS printing on 802.2. 18. Fixed Sockets Printing for the AS400 (fin followed by reset connection). 19. Fixed LPR control file fragmentation problem. 10. UDP Broadcast Filter. 11. Fixed SNMP to send objects beyond DPI MIB to printer. 12. Fixed Novell notify toner out message. It was sending 'toner low." 23. Fixed LPR fragmentation. 24. Ethernet changes to handle heavy traffic conditions. 25. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. 26. Fixed DLPO offer with destination IP Address not equal to 255.255.255.255. 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 28. Changed configuration manager to address loss of serial number problem. 29. Added a ": after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed APA over IPX when TCP/IP is disabled. 33. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 34. SNMP for teruming bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Fractory default INB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novel Frame Type algorithm for frame type discovery. 38. Fixed Flash, up on an isolated network. 39. Fixed Pilang for add Values. 30. Fixed AppleTalk device name to mimic AppleTalk Printer Name via SIMP. 41. Fixed echo an 2nd Telent Login. 45. Fixed conto and Telenet Login. 46. Network Interface Board (NIB) automatically senses the available speed of the network co	14.		2.46a
 sent. 16. Now can detect 0 as an invalid IP Address in the 1st and last IP Address location in HTML. 17. Fixed Novell NDS printing on 802.2. 18. Fixed Sockets Printing for the AS400 (fin followed by reset connection). 19. Fixed LPR control file fragmentation problem. 20. UDP Broadcast Filter. 21. Fixed SNMP to send objects beyond DPI MIB to printer. 22. Fixed Novell notify toner out message. It was sending "toner low." 23. Fixed LPR fragmentation. 24. Ethernet changes to handle heavy traffic conditions. 25. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. 26. Fixed UDP offer with destination IP Address not equal to 255.255.255.255. 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 28. Changed configuration manager to address loss of serial number problem. 29. Added a "" after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed ADP over IPX when TCP/IP is disabled. 32. Fixed ANP over IPX when TCP/IP is disabled. 33. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 34. SNDP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Fractory default NIB* NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Firme Type algorithm for frame type discovery. 38. Fixed Flash, up on an isolated network. 39. Fixed Flash, up on an isolated network. 30. Fixed Apple Talk device name to minic AppleTalk Printer Name via SNMP. 34. Fixed schoon 2nd Telnet Login. 35. Fixed Concatenated LPR jobs by removing ATTN_EOF between jobs. 36. Network speed selection (New function) 39. y default, the Network Interface Board (NIB) automatically senses			
 Now can detect 0 as an invalid IP Address in the 1st and last IP Address location in HTML. Fixed Novell NDS printing on 802.2. Fixed Sockets Printing for the AS400 (fin followed by reset connection). Fixed Sockets Printing for the AS400 (fin followed by reset connection). Fixed SNMP to send objects beyond DPI MIB to printer. Fixed SNMP to send objects beyond DPI MIB to printer. Fixed LPR fragmentation. Fixed LPR fragmentation. Fixed LDP filter for MAP discovery for units supporting DHCPWINS functionality. Fixed DDP filter for MAP discovery for units supporting DHCPWINS functionality. Fixed DDP filter for MAP discovery for units supporting DHCPWINS functionality. Fixed DDP filter for MAP discovery for units supporting DHCPWINS functionality. Fixed DHCP offer with destination IP Address not equal to 255.255.255.255. TCPP page accepted changes with any password. Not all products are affected. Need to test individually. Changed configuration manager to address loss of serial number problem. Added a^{**}. after word Address on Network Address Page. TCPIP being disabled caused problems for IPX on IPP builds. Fixed MAP over IPX when TCP/IP is disabled. Fixed MAP over IPX when TCP/IP is disabled. Fixed NdP over IPX when TCP/IP is disabled. Fixed Pit for an odd IP Address which was caused by a November 18, 1999 fix. Fixed App / Fing for an odd IP Address which was caused by a November 18, 1999 fix. Fixed Falsh_up on an isolated network. Fixed App / Fing for an odd IP Address Which was caused by a November 18, 1999 fix. Fixed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. Fixed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. Fixed SNMP Traps.<!--</td--><td>15.</td><td></td><td></td>	15.		
 Fixed Novell NDS printing on 802.2. Fixed Sockets Printing for the AS400 (fin followed by reset connection). Fixed LPR control file fragmentation problem. UDP Broadcast Filter. Fixed SNMP to send objects beyond DPI MIB to printer. Fixed Novell notify toner out message. It was sending "toner low." Fixed LPR fragmentation. Ethernet changes to handle heavy traffic conditions. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed DHCP offer with destination IP Address not equal to 255.255.255. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. Changed configuration manager to address loss of serial number problem. Added a "." after word Address on Network Address Page. TCPIP being disabled caused problems for IPX on IPP builds. Fixed MAP over IPX when TCP/IP is disabled. Fixed MAP over IPX when TCP/IP is disabled. Fixed Intelligent Novell Frame Type algorithm for frame type discovery. Fixed Flash_up on an isolated network. Fixed Flash_up on an isolated network. Fixed Flash_up on an isolated network. Fixed App / Ping for an odd IP Address which was caused by a November 18, 1999 fix. Driver now recognizes and uses FIP type for printing. It used to use TCP type. Changed AppleTalk device name to minic AppleTalk Printer Name via SIMP. Fixed SIMP Traps. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on in	16.		
 Fixed Sockets Printing for the AS400 (fin followed by reset connection). Fixed LPR control file fragmentation problem. UDP Broadcast Filter. Fixed SNMP to send objects beyond DPI MIB to printer. Fixed LPR fragmentation. Ethernet changes to handle heavy traffic conditions. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed DHCP offer with destination IP Address not equal to 255.255.255.255. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. Added a "." after word Address on Network Address Page. TCPIP being disabled caused problems for IPX on IPP builds. Fixed Dotential reset after LPD SVI/FIN command. Fixed 100 base T auto detection by using link instead of auto negotiate complete. SMDM fix returning bad values. Changed Novell Network ID to HEX on the status page. Fixed Flash_up on an isolated network. Fixed Flash_up on an isolated network. Fixed Flash_up on an isolated network. Fixed Ap / Ping for an odd IP Address which was caused by a November 18, 1999 fix. Driver now recognizes and uses FTP type for printing. It used to use TCP type. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. Fixed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. Fixed FNP fing for an odd IP Address Which was caused by a November 18, 1999 fix. Driver now recognizes and uses FTP type for printing. It used to use TCP type.			
 UDP Broadcast Filter. Fixed SNMP to send objects beyond DPI MIB to printer. Fixed Newell notify toner out message. It was sending "toner low." Fixed DPR fragmentation. Ethernet changes to handle heavy traffic conditions. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. Fixed DHCP offer with destination IP Address not equal to 255.255.255.5 TCP Page accepted changes with any password. Not all products are affected. Need to test individually. Changed configuration manager to address loss of serial number problem. Added a ":" after word Address on Network Address Page. TCPIP being disabled caused problems for IPX on IPP builds. Fixed MAP over IPX when TCP/IP is disabled. Fixed MAP over IPX when TCP/IP is disabled. Fixed MAP over IPX when TCP/IP is disabled. Fixed fullo base T auto detection by using link instead of auto negotiate complete. SNMP fix returning bad values. Changed Novell Network ID to HEX on the status page. Factory default NB if NVRAM prefix does not match default prefix. Added Intelligent Novell Frame Type algorithm for frame type discovery. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. Driver now recognizes and uses FTP type for printing. It used to use TCP type. Changed AppleTaik device name to mimic AppleTaik Printer Name via SNMP. Fixed SNMP Traps. Fixed SNMP Traps. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network speed selection (regurinos, it may be desired to shut down the source device while leaving the printer powered on. Whet met NIB detects the lost connection, it will try to reconnec			
 11. Fixed SMMP to send objects beyond DPI MIB to printer. 22. Fixed Novell notify toner out message. It was sending "toner low." 23. Fixed LPR fragmentation. 24. Ethernet changes to handle heavy traffic conditions. 25. Fixed DHCP offer with destination IP Address not equal to 255.255.255. 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 24. Changed configuration manager to address loss of serial number problem. 25. Added a "." after word Address on Network Address Page. 27. TCP IP being disabled caused problems for IPX on IPP builds. 28. Fixed 100 base T atto detection by using link instead of auto negotiate complete. 34. Fixed too base T auto detection by using link instead of auto negotiate complete. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 36. Fixed App / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed Apple Talk device name to mimic Apple Talk Printer Name via SNMP. 42. Fixed echo on 2nd Telnet Login. 43. Fixed selection (New function) 44. Fixed echo on 2nd Telnet Login. 45. Fixed selection fix. 46. Network speed selection (New function) 47. By default, the Network ID to figuration, and sets the appropriate speed. 47. How the NIB default prover on 48. Network speed selection fix. It may be desired to shut down the source device while leaving the printer gowerd on 49. Fixed cho on 2nd Telnet Login. 41. Fixed echo on 2nd Telnet Login. 42. Fixed accompation during power-on initialization and sets the appropriate speed.<td></td><td></td><td></td>			
 22. Fixed Novell notify toner out message. It was sending "toner low." 23. Fixed LPR fragmentation. 24. Ethernet changes to handle heavy traffic conditions. 25. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. 26. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. 27. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. 28. Fixed DUPC offer with destination IP Address not equal to 255. 255. 255. 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 28. Changed configuration manager to address loss of serial number problem. 29. Added a "." after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed DAP over IPX when TCPI/P is disabled. 33. Fixed MAP over IPX when TCPI/P is disabled. 34. Fixed Into base to ato detection by using link instead of auto negotiate complete. 34. ShMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Fractory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concotanated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed ethon on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network k poed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network speed selection (sectonnection, it will	20.	UDP Broadcast Filter.	
 23. Fixed LPR fragmentation. 24. Ethernet changes to handle heavy traffic conditions. 25. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. 26. Fixed DHCP offer with destination IP Address not equal to 255.255.255.255. 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 28. Changed configuration manager to address loss of serial number problem. 29. Added a ":" after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed MAP over IPX when TCPI/P is disabled. 32. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 33. SNMP fix returning bad values. 34. Changed Novell Network ID to HEX on the status page. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 30. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed Apple Talk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed echo on 2nd Telnet Login. 43. Fixed SNMP Traps. 44. Fixed echo on 2nd Telnet Login. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) 47. By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. 47. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. 48. Wheth	21.	Fixed SNMP to send objects beyond DPI MIB to printer.	
 24 Ethernet changes to handle heavy traffic conditions. 25. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. 26. Fixed DHCP offer with destination IP Address not equal to 255.255.255.257. 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 28. Changed configuration manager to address loss of serial number problem. 29. Added a "." after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed MAP over IPX when TCP/IP is disabled. 32. Fixed MAP over IPX when TCP/IP is disabled. 33. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 34. SIMMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NYRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed Apple Talk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed SNMP Traps. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) 87. By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. 49. When the NIB detects the lost connection, it will not restore the connection, if it is 100MB only. 40. To comp			
 25. Fixed UDP filter for MAP discovery for units supporting DHCP/WINS functionality. 26. Fixed DHCP offer with destination IP Address not equal to 255.255.255.255.255.255. 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 28. Changed configuration manager to address loss of serial number problem. 29. Addeed a "." after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed D0b base T auto detection by using link instead of auto negotiate complete. 34. SNMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash, up on an isolated network. 39. Fixed Flash, up on an solated network. 30. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed echo on 2nd Telnet Login. 43. Fixed SNMP Traps. 44. Network speed selection (New function) 45. Wetwork speed selection (New function) 46. Network speed selection (New function) 47. By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection diring power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. 47. When the NIB detects the lost connection, it will not restore the connection, if it is 100MB only. 47. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed of the estines speed of the network connection dirign scina, it will not		•	
 26. Fixed DHCP offer with destination IP Address not equal to 255.255.255. 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 28. Changed configuration manager to address loss of serial number problem. 29. Added a "." after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed potential reset after LPD SYN/FIN command. 32. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 33. SNMP fix returning bad values. 33. Changed Novel IN the Work ID to HEX on the status page. 34. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powerd on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device speed of the network speed of the network speed of the network speed of the NIB. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. 			
 27. TCP Page accepted changes with any password. Not all products are affected. Need to test individually. 28. Changed configuration manager to address loss of serial number problem. 29. Added a ":" after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed MAP over IPX when TCP/IP is disabled. 32. Fixed MAP over IPX when TCP/IP is disabled. 33. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 34. SNMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed 4To Novell Frame Type algorithm for frame type discovery. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. Fixed SNMP Traps. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection aduring power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device on stretured, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed			
 test individually. Changed configuration manager to address loss of serial number problem. Added a ":" after word Address on Network Address Page. TCPIP being disabled caused problems for IPX on IPP builds. Fixed potential reset after LPD SYN/FIN command. Fixed 100 base T auto detection by using link instead of auto negotiate complete. SNMP fix returning bad values. Changed Novell Network ID to HEX on the status page. Factory default NIB if NVRAM prefix does not match default prefix. Added Intelligent Novell Frame Type algorithm for frame type discovery. Fixed Flash_up on an isolated network. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. Driver now recognizes and uses FTP type for printing. It used to use TCP type. Changed AppleTaik device name to mimic AppleTaik Printer Name via SNMP. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. IP Fragmentation fix. Fixed SNMP Traps. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset			
 29. Added a ":" after word Address on Network Address Page. 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed potential reset after LPD SYN/FIN command. 32. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 33. SNMP fix returning bad values. 34. SNMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 39. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 31. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 34. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 33. IP Fragmentation fix. 44. Fixed schoor 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed of the the single speed selection is is set, the NIB will only operate in that mode until either the operator changes the selection or setores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset t		test individually.	
 30. TCPIP being disabled caused problems for IPX on IPP builds. 31. Fixed potential reset after LPD SYN/FIN command. 32. Fixed MAP over IPX when TCP/IP is disabled. 33. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 34. SNMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Flash_up on an isolated network. 30. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the spee			
 31. Fixed potential reset after LPD SYN/FIN command. 32. Fixed MAP over IPX when TCP/IP is disabled. 33. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 34. SNMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to minic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying snic address>/nic/speed on your browser. The default selection is "Auto". In one of the single speed selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verified by		•	
 32. Fixed MAP over IPX when TCP/IP is disabled. 33. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 34. SNMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) 46. Network speed selection (New function) 47. By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. 41. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. 43. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. 44. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. 45. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selection or restores the factory settings.</nic> 47. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer a			
 33. Fixed 100 base T auto detection by using link instead of auto negotiate complete. 34. SNMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The west the printer and verify the correct speed setting via a status page.			
 34. SNMP fix returning bad values. 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 35. Changed Novell Network ID to HEX on the status page. 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 36. Factory default NIB if NVRAM prefix does not match default prefix. 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selection is is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. 			
 37. Added Intelligent Novell Frame Type algorithm for frame type discovery. 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. 			
 38. Fixed Flash_up on an isolated network. 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selection is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 39. Fixed Arp / Ping for an odd IP Address which was caused by a November 18, 1999 fix. 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed</nic> 			
 40. Driver now recognizes and uses FTP type for printing. It used to use TCP type. 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verifi the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 41. Changed AppleTalk device name to mimic AppleTalk Printer Name via SNMP. 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed</nic> 			
 42. Fixed concatenated LPR jobs by removing ATTN_EOF between jobs. 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed</nic> 			
 43. IP Fragmentation fix. 44. Fixed echo on 2nd Telnet Login. 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed</nic> 			
 45. Fixed SNMP Traps. 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed</nic> 			
 46. Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed</nic> 	44.	Fixed echo on 2nd Telnet Login.	
 By default, the Network Interface Board (NIB) automatically senses the available speed of the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 the network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 	46.		
 However, in some limited configurations, it may be desired to shut down the source device while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 When the NIB detects the lost connection, it will try to reconnect and default to 10MB mode. After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 After the source device connection is returned, it will not restore the connection, if it is 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 100MB only. To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 To compensate for this, a special Network Speed Selection HTML page is available to select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
 select a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings.</nic> To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
This page may be accessed by specifying <nic address="">/nic/speed on your browser. The default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed</nic>			
 default selection is "Auto". If one of the single speed selections is set, the NIB will only operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed 			
operate in that mode until either the operator changes the selection or restores the factory settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed			
settings. To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed			
To select a single speed, click on the desired button (10 or 100), and then click "Apply". Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed			
Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the speed			
The new setting may be verified by printing a network status page. Once set, the speed			



Technical Bulletin

PAGE: 3/3

Model: NIB 450E

Date: 12-Dec-00

Fixed Bug	Version
1. RIP management problem from Michelin	2.49a
2. AS400 problem from Revlon in Australia	
3. VAX/VMS problem from TV station in Australia	
4. LPR printing problem from Peerless:	
Occasionally, the 256th job received by the controller following power-up is deleted.	

Technical Bulletin

PAGE: 1/1

Model: NIB 450E			Dat	e: 12-Dec-01	No.: RA855003
Subject: Firmware Release				Prepared by: E	. Fukuyama
From: Technical Services Dept., GTS Division					
Classification:	Troubleshooting	Part inf	orma	tion 🗌 Act	ion required
	Mechanical	Electric	al	🗌 Ser	vice manual revision
	Paper path	Transm	it/rec	eive 🗌 Ret	rofit information
	Other ()				

Firmware	File No.	Version	Production
Ric401a.upd	V401.zip	4.01a	December Prod. 2001
Ric252a.upd	V252.zip	2.52b	July Prod. 2001
Ric249a.upd	V249.zip	2.49a	October Prod. 2000
Ric246a.upd	V246.zip	2.46a	June Prod. 2000
Ric238a.upd	V238a.zip	2.38a	October Prod. 1999
Ric235b.upd	V235b.zip	2.35b	August Prod. 1999
Ric231a.upd	V231.zip	2.31a	1st Mass Prod

	Symptoms Corrected (2.52b and 4.01a only)	Version
1. 2. 3. 4.	SC2001 error caused by bus-timeout error when controller accesses shared memory on the NIB has been fixed Novell NCP communication error when packet signature level is set at 2 has been fixed. AppleTalk communication error in networks with Zones has been fixed. WINS settings have been added to the NIB TCP setup page.	4.01a
FLA and To file	oortant ASHUP V. 1.23 must be used to upgrade NIB firmware 2.5x to 4.xx. Older FLASHUP versions d FTPDL versions are not compatible with firmware version 4.01a. run FLASHUP, choose "Run" from the Windows Startup Menu, select the Flashup.exe b, then tag on "NSSUPER" at the end as shown in the following example: Temp\Flash_up.exe NSSUPER	
1. 2. 3. 4.	NIB450E disconnects from the network. The timer for FIN response during socket printing has been reduced from 2s→100ms. Memory size for the entire PostScript Banner has been increased from 120→256 bytes. (the banner includes host, user and file name data). Software modified to support WINS. With this modification, the Net BIOS name and Host Name on the DHCP can be changed. Hang up occurs when using Multicast with Ghost6.5. (However, this did not occur with Appletalk Multicasting.)	2.52b



Technical Bulletin

Model: NIB450e		Dat	e: 20-Dec-02		No.: RA855004	
Subject: FTPDL V1.50a			Prepared by: Y.Urushihara		rushihara	
From: Technical Services sec. Service Planning Dept.						
Classification:	Troubleshooting	Part info	ormat	tion	Action	required
	Mechanical	Electrica	al		Servic	e manual revision
	Paper path	Transm	it/rec	eive	Retrof	fit information
	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				Т	0:		
		V2.38	V2.46	V2.49	V2.52b	V4.01a	V4.02b
	V2.38	>	~	~	~	+	+
	V2.46	>	~	~	~	+	+
From:	V2.49	~	~	~	~	+	+
	V2.52b	>	~	~	~	+	+
	V4.01a					~	~
	V4.02b					>	>

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



Technical Bulletin

Model: NIB450e

Date: 20-Dec-02

No.: RA855004

NIB Type1018			To:	
		V6.18	V6.19	V6.27a
	V6.18	>	~	~
From:	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.

rigoh	Technical Bulletin		PAGE: 3/6
Model: NIB450e		Date: 20-Dec-02	No.: RA855004

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

🖏 Idle - FTP Download	_ 🗆 ×
Eile Help	
<u>D</u> ownload	
Exit	
1	

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

Select a file	to download		? ×
Look jn: 🔁	Firmware	- 🔁 🖛 🔳	
ric246a.up ric252b.up ric401a.up ric402b.up rst538a.up rst555a.up	d 🔤 rst572b.upd d 📾 rst575a.upd d		
File <u>n</u> ame:	ric402b		<u>]</u> pen
Files of type:	Update Files (*.upd;*.upp)		ancel

RIGOH	Technical Bulletin		PAGE: 4/6
Model: NIB450e		Date: 20-Dec-02	No.: RA855004

9. Input the target IP address

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

IP Addre	22			×
Ente	r Unit IP.	Address		
	0	0	0	
	ОК		Cancel	

Password			×
E	nter Unit Pa	ssword	
I			
ОК		Cancel	

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 competed (%).

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 competed (%).

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."

FTP Download	Х
Unit updated.	
J	

RIGOH	Technical Bulletin		PAGE: 5/6
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_xxxxx). 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.

Select Units To Update			×
DWN RDP 123456 RDP_579100 RDP_914092 RDP_980387 RDP_991250 RDP_809590 RDP_810247 RDP_810321 RDP_810579 RDP_810869 RDP_810869 RDP_846021 RDP_879724		OK Cancel Show Detail Show <u>A</u> ll <u>A</u> bout	

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

Rigoh	Technical B	ulletin	PAGE: 6/6
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.

Technical Bulletin

Reissued: 12-Apr-05

Date: 12-Dec-01

No.: RA855003a

RTB Reissue

The items in bol	d italics have been addeo	J.		
Subject: Firmwa	re Release		Prepared	d by: Y.Urushihara
From: 1st Tech. S	Support Sec. Service Support I	Dept.		
Classification:	 Troubleshooting Mechanical Paper path Other () 	 Part information Electrical Transmit/rec 		 Action required Service manual revision Retrofit information

Firmware	File No.	Version	Production
Ric403i.upd	V403.zip	4.03i	April Prod 2005
Ric401a.upd	V401.zip	4.01a	December Prod. 2001
Ric252a.upd	V252.zip	2.52b	July Prod. 2001
Ric249a.upd	V249.zip	2.49a	October Prod. 2000
Ric246a.upd	V246.zip	2.46a	June Prod. 2000
Ric238a.upd	V238a.zip	2.38a	October Prod. 1999
Ric235b.upd	V235b.zip	2.35b	August Prod. 1999
Ric231a.upd	V231.zip	2.31a	1st Mass Prod

	Symptom Corrected	Version
	ecially crafted ICMP packet causes DoS. This was reported in Secunia advisory 13475 (http://secunia.com/advisories/13475/). (TechMail#OTS-2005-404)	4.03i
1. 2. 3. 4.	SC2001 error caused by bus-timeout error when controller accesses share memory on the NIB has been fixed Novell NCP communication error when packet signature level is set at 2 has been fixed. AppleTalk communication error in network with Zones has been fixed. WINS settings have been added to the NIB TCP setup page.	4.01a
FLA and To file,	Nortant ASHUP V. 1.23 must be used to upgrade NIB firmware 2.5x to 4.xx. Older FLASHUP versions IFTPDL versions are not compatible with firmware version 4.01a. IFTPDL versions are not compatible with firmware version 4.01a.	
1. 2.	NIB450E disconnects from network. The timer for FIN response during socket printing has been reduced from 2s →100ms. Memory size for the entire PostScript Banner has been increased from 120 →256 bytes. (the banner includes host, user and file name data).	2.52b
3. 4.	Software modified to support WINS. With this modification, the Net BIOS name and Host Name on the DHCP can be changed. Hang up occurs when using Multicast with Ghost6.5. (however this did not occur with Appletalk Multicasting).	

Model: NIB 450E

RIGOR Reissued: 12-Apr-05

Technical Bulletin

Model: NIB 450E	Date: 12-Dec-01	No.: RA855	6003a
 Now the NDS tree and context is not lost when downloa Fixed reset after flash download. Fixed HTML reset from Internet Explorer supporting HT⁻ would take 2 minutes due to persistent connections. Clear zero length AppleTalk name when NIB loads Appl SNMP Fixes. 	IP 1.1. The reset would v	vork, but it	2.46a
 Added a range check on NetWare Frame Type. a. Fixed Get Next for NetWare Queue Index and Mess b. Changed NetWare Port Table To 1 blank entry. c. Made all email objects not supported. Most show a now none are writeable. Fix Novell Notify to user after a job. 8. Added new mfdiag15 to the build tree to save and to res 9. Added code to reinitialize card if the prefix doesn't match for manufacturing when downloading different code into 10.Fixed consistency of enable / disable and made serial multiplication of order on concatenated LPR jobs with the 12.Fixed potential crash during soft reset where an interrup set. 13. Fixed problem where MAP could display unit as NPS. X 	as "N/A" and some have va otore NVRAM. In what is in NVRAM. This a NIB card. umber read / only in SNMI panners enabled. t could hit before the vecto	is mostly	
 Fixed problem where MAP could display unit as NPS_X. Fixed end_doc / start_doc between concatenated LPR judifferent way than UNIX. Fixed a problem where the HTTP server could reset the sent. Now can detect 0 as an invalid IP Address in the 1st and 17. Fixed Novell NDS printing on 802.2. Fixed Sockets Printing for the AS400 (fin followed by rest 19. Fixed LPR control file fragmentation problem. UDP Broadcast Filter. 	obs from Linux. It sends of connection before all the diast IP Address location	data was	
 21. Fixed SNMP to send objects beyond DPI MIB to printer. 22. Fixed Novell notify toner out message. It was sending " 23. Fixed LPR fragmentation. 24. Ethernet changes to handle heavy traffic conditions. 25. Fixed UDP filter for MAP discovery for units supporting I 26. Fixed DHCP offer with destination IP Address not equal 27. TCP Page accepted changes with any password. Not a individually. 	toner low." DHCP/WINS functionality. to 255.255.255.255. Il products are affected. N	leed to test	
 28.Changed configuration manager to address loss of seria 29.Added a ":" after word Address on Network Address Pag 30.TCPIP being disabled caused problems for IPX on IPP to 31.Fixed potential reset after LPD SYN/FIN command. 32.Fixed MAP over IPX when TCP/IP is disabled. 33.Fixed 100 base T auto detection by using link instead of 34.SNMP fix returning bad values. 35.Changed Novell Network ID to HEX on the status page. 36.Factory default NIB if NVRAM prefix does not match def 37.Added Intelligent Novell Frame Type algorithm for frame 	ge. builds. auto negotiate complete. ault prefix.		
 38.Fixed Flash_up on an isolated network. 39.Fixed Arp / Ping for an odd IP Address which was cause 40.Driver now recognizes and uses FTP type for printing. I 41.Changed AppleTalk device name to mimic AppleTalk Pr 42.Fixed concatenated LPR jobs by removing ATTN_EOF I 43.IP Fragmentation fix. 44.Fixed echo on 2nd Telnet Login. 	t used to use TCP type. inter Name via SNMP.	9 fix.	

Reissued: 12-Apr-05

Technical Bulletin

 45.Fixed SNMP Traps. 46.Network speed selection (New function) By default, the Network Interface Board (NIB) automatically senses the available sp network connection during power-on initialization and sets the appropriate speed. However, in some limited configurations, it may be desired to shut down the source while leaving the printer powered on. When the NIB detects the lost connection, it will try to reconnect and default to 10M After the source device connection is returned, it will not restore the connection, if it 	ce device MB mode.	
 only. To compensate for this, a special Network Speed Selection HTML page is available a single network speed for the NIB. This page may be accessed by specifying <nic address="">/nic/speed on your browsed default selection is "Auto". If one of the single speed selections is set, the NIB will or operate in that mode until either the operator changes the selection or restores the fisettings. To select a single speed, click on the desired button (10 or 100), and then click "App Reset the printer and verify the correct speed setting via a status page. The new setting may be verified by printing a network status page. Once set, the sp should remain in that setting during power cycles.</nic> No log on to NDS for Novell4.11 LPR printing fix. When the connection request list was cleared due to duplicate require flag was not set to accept new requests. This could result in the NIB not responding connection requests for a period of time. Improved the fix from 2.37 for LPD printing to handle properly the LPD Daemon Cor (print waiting jobs). Fixed reset after flash download. 	e to select er. The only factory oply". opeed quests, the g to	2.38a
 5. Fixed test print html page. 1. When the reset is required in SNMP, the NIB will reset without any response and h 	hung un	2.35t