# 4.7 Advanced Setting

**** BRR 0 8 9.0**	192.7	
Mu	Iti-Functional Broadband NAT Router	
Administrator's Main Menu • State • Wand • Environme • Freeworks, Rober • Statem Tese • Statem Tese	Advanced Setting         • System Time         • Allow you to set device time manually or consult network time from NTP server.         • System Log         • Send system log to a dedicated host or email to specific receipts.         • Dynamic DNS         • To host your server on a changing IP address, you have to use dynamic dynamic number service (DDNS)	
<ul> <li>Stable</li> <li>Stable Fold</li> <li>Treatment</li> <li>Leg out</li> </ul>	<ul> <li>SNMP         <ul> <li>Gives a user the capability to remotely manage a computer metwork by polling and setting terminal values and monitoring network events.</li> <li>Routing                 <ul> <li>If you have more than one routers and subnets, you may want to enable routing table to allow packets to find proper routing path and allow different subnets to communicate with each other.</li> <li>Schedule Rule                     <ul></ul></li></ul></li></ul></li></ul>	

# 4.7.1 System Time

Administrator's Main Menu • Serie • Waxe • Waxe • Time Server	Scoadband NAT Router System Time Semag	
Administrator's Main Menu • Same • Want • Want • Base Server	System Time Seming	
Get Date and T     Time Server	Setting	
* Forwarding Roles     Time Zone       * Strendtz Roles     * C Set Date and T PC Date and T PC Date and T Time:       * Strendtrike     * C Set Date and T Date       * Strendtrike     * S Set Date and T Date       * Strendtrike     * S Set Date and T Date       * Strendtrike     * S Set Date and T Date       * Strendtrike     * S Set Date and T Date       * Strendtrike     * S Set Date and T Date       * Strendtrike     * S Set Date and T Date       * Strendtrike     * S Set Date and T Date       * Strendtrike     * S Set Date and T Date	ime using PC's Date and Time  fourier of the second	Day 1 Second (0-59)

# Get Date and Time by NTP Protocol

Selected if you want to Get Date and Time by NTP Protocol.

#### **Time Server**

Select a NTP time server to consult UTC time

#### **Time Zone**

Select a time zone where this device locates.

#### Set Date and Time manually

*Selected* if you want to Set Date and Time manually.

#### **Function of Buttons**

Sync Now: Synchronize system time with network time server

# 4.7.2 System Log

Multi-Functional Broadband NAT Router					
Administrator's Main Menu		System Log			
• Status • Winned • Hanie Serring • Farwarding Rober • Sacurity Satting • Advanced Setting	Iren • IP Address of Syslog Server • E-mail Alert • E-mail addresses • E-mail Subject	Senting 192.168.123. Send Mai Yaw	Enable C		
<ul> <li>Sentem Line</li> <li>Sentem Los</li> <li>Sentem Lini</li> <li>StMME</li> <li>Schedde Sole</li> <li>Schedde Sole</li> </ul>	• User name • Password • Log Type	F System Activity F Debug Information F Attacks F Dropped Packets F Notice			
	View Lag Save Use(s Holp				

This page support two methods to export system logs to specific destination by means of syslog(UDP) and SMTP(TCP). The items you have to setup including:

# **IP Address for Syslog**

Host IP of destination where syslogs will be sent to.

*Check* **Enable** to enable this function.

# E-mail Alert Enable

Check if you want to enable Email alert(send syslog via email).

# **SMTP Server IP and Port**

Input the SMTP server IP and port, which are concated with ':'. If you do not specify port number, the default value is 25.

For example, "mail.your\_url.com" or "192.168.1.100:26".

# Send E-mail alert to

The recipients who will receive these logs. You can assign more than 1 recipient, using ';' or ',' to separate these email addresses.

### E-mail Subject

The subject of email alert. This setting is optional.

# Username and Password

To fill some SMTP server's authentication requirement, you may need to input Username and Password that offered by your ISP.

# Log type

Please select the activities that should be shown on log.

# 4.7.3 Dynamic DNS

*++-033030	二部の第二日		¥2 - * *
	Multi-Functional Broad	doard NAT Router	
Administrator's Main Menu		Dynamic DNS	
• China	lben	Setting	
Winad	DDNS		
+ Basic Setting	Provider	DytD/G org/Dytamic)	
+ Ferrenting Bales	<ul> <li>Host Name</li> <li>Username / E-mail</li> </ul>		
+ Security Setting	Password / Key		
- Advanced Setting • Enten Tine • Enten Los • Enten Los • Eliter Los • Eliter Los • Eliter Los • Eliter Los • Enter Los • Eliter Los	Seve Undo Telp		

To host your server on a changing IP address, you have to use dynamic domain name service (DDNS).

So that anyone wishing to reach your host only needs to know the name of it. Dynamic DNS will map the name of your host to your current IP address, which changes each time you connect your Internet service provider.

Before you enable **Dynamic DNS**, you need to register an account on one of these Dynamic DNS servers that we list in **provider** field.

To enable **Dynamic DNS** click the check box next to **Enable** in the **DDNS** field.

Next you can enter the appropriate information about your Dynamic DNS Server.

You have to define:

Provider

#### Host Name

Username/E-mail

Password/Key

You will get this information when you register an account on a Dynamic DNS server.

Example:

Dynamic DNS			
Item	Setting		
DDNS	C Disable @ Enable		
Provider	DynDNS.org •		
Host Name	user.dyndns.org		
Username / E-mail	user		
Password / Key	*****		
Save Undo			

After Dynamic DNS setting is configured, click the save button.

# 4.7.4 SNMP Setting

*** 010 0 0 1 0	31的-232-23		10 - A -
	Multi-Functional Bro	adband NAT Router	
Administrator's Main Menu		SNMP Setting	
Energy     Winnel     Winnel     Energy Service     Forcearding Roles     Advanced Retting     Advanced Retting     Scrimm Los     Scrimm Los     Scrimm Los     Scrimm Role     Scrimm Role     Scrimm Role     Energy     Log out	Item • Enable SNMP • Get Community • IP 1 • IP 2 • IP 3 • IP 4 • SNMP Version Sawe Undar 1990	Se PLocal ⊂ Remote pixite pixite C VI ≪ V2c	ting

In brief, SNMP, the Simple Network Management Protocol, is a protocol designed to give a user the capability to remotely manage a computer network by polling and setting terminal values and monitoring network events.

#### Enable SNMP

You must check either Local or Remote or both to enable SNMP function. If *Local* is checked, this device will response request from LAN. If *Remote* is checked, this device will response request from WAN.

#### **Get Community**

Setting the community of GetRequest your device will response.

#### Set Community

Setting the community of SetRequest your device will accept.

#### **IP 1,IP 2,IP 3,IP 4**

Input your SNMP Management PC's IP here. User has to configure to where this device should send SNMP Trap message.

#### **SNMP Version**

Please select proper SNMP Version that your SNMP Management software supports

# **Example:**

	Multi-Functional Bro	adband NAT Router		
Administrator's Main Menu		SNMP Setti	ing	
<ul> <li>Stans</li> <li>Maxed</li> <li>Environment Roben</li> <li>Secondary Stations</li> <li>Advanced Setting</li> <li>Secondary Stations</li> <li>Section Time</li> <li>Sectio</li></ul>	Inen • Enable SNMP • Get Community • IP 1 • IP 2 • IP 3 • IP 4 • SNMP Version Saw Units Puip Reter Saw India Puip Reter Saw India Puip	P Local P Remote pate pate 192 991 123 1 C V1 = V2c	Setting	

- 1. This device will response to SNMP client which's get community is set as "public"
- 2. This device will response to SNMP client which's set community is set as "private"
- 3. This device will response request from both LAN and WAN
- 4. This device will send SNMP Trap message to 192.168.123.1 (Use SNMP Version V2c)

# 4.7.5 Routing Table

P++-OIQ OI	医学の図	- 6				10 - 7
	Multi-F	functional Broad	band NAT Router			
Administrator's Main Menu	Routing Table					
• Status • Winned + Hanie Seming	► Dynar ► Static	nic Routing Routing	∉ Disable ⊂ RIPv1 ⊂ ∉ Disable ⊂ Enable	Setting RIPv2		
<ul> <li>Freewording Roles</li> <li>Security Sotting</li> <li>Advanced Setting</li> <li>Sotten Jine</li> <li>Sotte</li></ul>	10 1 2 3 4 5 6 7 8 5 8 5 8 5 8 5 8 5 8 5 8	Destination	Subnet Mask	Gateway		

**Routing Tables** allow you to determine which physical interface address to use for outgoing IP data grams. If you have more than one routers and subnets, you will need to enable routing table to allow packets to find proper routing path and allow different subnets to communicate with each other.

Routing Table settings are settings used to setup the functions of static and dynamic routing.

#### **Dynamic Routing**

Routing Information Protocol (RIP) will exchange information about destinations for computing routes throughout the network. Please select RIPv2 only if you have different subnet in your network. Otherwise, please select RIPv1 if you need this protocol.

**Static Routing**: For static routing, you can specify up to 8 routing rules. You can enter the destination IP address, subnet mask, gateway, hop for each routing rule, and then enable or disable the rule by checking or unchecking the Enable checkbox.

# **Example:**

D	Destination	Subnet Mask	Gateway	Hop	Enable
1	192.168.3.0	255.255.255.0	192.168.1.33	1	~
2	192.168.5.0	255.255.255.0	192.168.1.55	1	
į.					
	-				
			C. C		
	1				



So if, for example, the host wanted to send an IP data gram to 192.168.3.88, it would use the above table to determine that it had to go via 192.168.1.33 (a gateway), And if it sends Packets to 192.168.5.77 will go via 192.168.1.55

Each rule can be enabled or disabled individually.

After routing table setting is configured, click the save button.

# 4.7.5 Schedule Rule

*** 013 0 U	91 12+29 23 + 13		説のない
	Multi-Functional Broadband	INAT Router	
Administrator's Main Menu		Schedule Rule	
· Statut	Item	5	letting .
• Wiend	▶ Schedule	Enable	
+ Basic Setting	Mulet	Rule Name	Attien
±.Forwarding.Roles	Save Artil New Dole		
+ Security Setting	Sere reaction and reac		
- Advanced Settion • EntenTine • EntenLos • Demana 2016 • EUME • EUME • Eostan			
• Schedule 30de			
±Teallock			

You can set the schedule time to decide which service will be turned on or off. Select the "enable" item.

#### Press "Add New Rule"

You can write a rule name and set which day and what time to schedule from "Start Time" to "End Time". The following example configure "ftp time" as everyday 14:10 to 16:20

●++-◎回公 Q H Q	生命を認う国		12 - 2 -
	Multi-Functional Broadbu	nd NAT Router	
Administrator's Main Menu		Schedule Rule Setting	
- Onto	Item		Setting
Winard	Name of Rule 1	Rp 1mo	
+ Basic Setting	Week Dog	Start Time dikenni	End Time Okunnt
+ Ferrending Roles	Sunday	=	1
+ Security Setting	Monday		
- Advanced Netting • Senten Tine • Senten Los • Senten Lisi • Stiller • Schedule Fale + Teallon Leg out	Tuesday Wednesday Thursday Friday Saturday Every Day Saint Unity Help Back Saint The change will take effective	inconductly	



**** <b>9</b> 33991	21 (1) (2) (2) (2) (2)				
	Multi-Functional Broadband	NAT Router			
Administrator's Main Menu		Schedule Rule			
Status Winard	Iten + Schedule	⊭ Enable	Setting		
+ Banic Setting	Ralet	Rale Name		A	ction
Forwarding Roles	1	ftp time		2.01	Delate
Security Setting	Save Add New Risk Help				
Advanced Setting • Suiten Los • Dennese DHS • States • States • Schedule Sole • Teather Log out					

#### Schedule Enable

*Selected* if you want to Enable the Scheduler.

# Edit

To edit the schedule rule.

# Delete

To delete the schedule rule, and the rule# of the rules behind the deleted one will decrease one automatically.

Schedule Rule can be apply to Virtual server and Packet Filter, for example:

Exanple1: Virtual Server	- Apply Rule#1	(ftp time: everyd	ay 14:10 to 16:20)
--------------------------	----------------	-------------------	--------------------

Administrator's Main Menu			Virtual Server	
(Same)	ID	Service Parts	Secret IP	Eashie Use Rule
Winard	1	21	192.168.123.	R I
Basic Setting	2		192.168.123.	п (P
	3		192.168.123.	r (0
Weberd Street	4		192.168.123.	r (r
Special AP	5		192.168.123.	C 10
Manufactoria	6		192.168.123.	r (P
Security Setting	7		192.168.123.	r (r
A designed at the second	8		192.168.123.	r 10
SACONTER DECIMA	9		192.168.123.	r F
Toolon	10		192.168.123.	C 0
Lag out	11		192.168.123.	r (r
	12		192.168.123.	r (
	13		192.168.123	C 6
	14		192.168.123.	r (p
	15		192.168.123	r 10
	16		192.168.123.	C 1
	17		192.168.123	C 0
	18		192.168.123.	r (
	19		192.168.123.	r 10
	20		192 168 123	C 6

	Well known services FIP (21)  Schedule rule [01/4p irms 2] Cong to 11D [1 2]
Saw Units Holp	

Example2: **Packet Filter** – Apply Rule#1 (ftp time: everyday 14:10 to 16:20).

	Multi-Function	Broadband NAT	Router			
Administrator's Main Menu		In	bound Packet	Filter		
Rang Wined Basic Vermag	Inbound Filter	I to pass except the to pass except those	₽ En se match the fo e match the fol	able Ilowing rules, lowing rules.	etting	
C PTT MINING AND T	ID See	ares IF : Perts	Destinati	on IP : Parts	Enable	Use Rulei
Trading Siles	1	:		: 20-21	P	1
Demain Educe	2	:	15	:	<b>C</b>	þ
<b>URD Blockern</b>	3	1		1	E	p .
MAC CONTROL	4	:		:	5	Þ
Marchatevar	5	1	2	1	E .	p
Advanted Section	6	:	C		.0	p.
	7	:	1	1	E	p -
Indian	8	:	F	:	E .	þ.
	Saw Undo Od Samed The charge doe	Schedule ru baard Filter. MAC and take effective and rob	le (01%ptrns - Leve http://s	Copy to JID 1	3	

# 4.8 Toolbox

	alti-Eurotional Broodband NAT Pouter	
0	unti-Punctional Broadonia 1994 Router	
Administrator's Main Menu	Toolbox	
Conne Winned Environment Robert Sterenster Station Advanced Section Advanced Section Environment Université Eduite Environment Université Eduite Economi Economi	<ul> <li>• View Log <ul> <li>• View the system logs.</li> </ul> </li> <li>• Firmware Upgrade <ul> <li>• Prompt the administrator for a file and upgrade it to this device.</li> </ul> </li> <li>• Backup Setting <ul> <li>• Save the settings of this device to a file.</li> </ul> </li> <li>• Reset to Default <ul> <li>• Reset to Default</li> <li>• Resot this device.</li> </ul> </li> <li>• Reboot <ul> <li>• Reboot this device.</li> </ul> </li> <li>• MAC Address for Wake-on-LAN: Let you to power up mother network device remotely.</li> <li>• Domain Name or IP address for Ping Test: Allow you to configure an IP, and ping the device. You can ping a secific IP to test whether it is alive.</li> </ul>	

# 4.8.1 System Log

Multi-Functional Broadband NAT Router				
Administrator's Main Menu	System Log			
- Shinu - Winard	WAN Type: Dynamic IP Address Display time: Wed Oct 01 16:47:08 2003			
+ Basic Setting	10/01/00000 00100111 +4010 0000 100 100 100 114 10000 00000000			
+ Farwarding Roles	10/01/2003 00:26:56 Admin from 192.168.123.114 Login successfully			
+ Security Setting	10/01/2003 00:27:20 Restarted by 192.168.123.114 10/01/2003 00:41:02 Restarted by 192.168.123.114			
± Advanced Setting	10/01/2003 00:41:27 Restarted by 192.168.123.114			
Tailler	10/01/2003 14:19:00 DOD:192.160.123.114 query DNS for services.msn.co			
* View Ious	10/01/2003 14:19:12 DHCP:discover()			
* Ennwire Urgenie	10/01/2003 14:19:20 DHCP:discover()			
* Backner Setting	10/01/2003 14:19:36 DECP:discover()			
<ul> <li>Restau Default</li> </ul>	10/01/2003 14:20:08 DOD:192.168.123.114 query DNS for 1.0.0.127.in-ad			
• Educati	10/01/2003 14:20:08 DHCP:discover()			
<ul> <li>Materiaccut</li> </ul>	10/01/2003 14:20:12 DHCP:discover()			
and the second sec	10/01/2003 14:20:20 DHCP:dlscover()			
Call out	10/01/2003 14:20:36 DHCP1d18COVEF() 10/01/2003 14:21:34 DOD:102 159 123 114 avera PMP for environment on			
	10/01/2003 14:21:24 DWD:discover()			
	10/01/2003 14:21:28 DHCP:discover()			
	10/01/2003 14:21:36 DHCP:discover()			
	10/01/2003 14:21:52 DHCP:discover()			
	10/01/2003 14:21:53 DHCP:offer(192.168.1.254)			
	10/01/2003 14:21:53 DHCP:request(192.168.1.199)			
	10/01/2003 14:21:54 DHCP:ack(DoL-3600000,71=3599980,72=3599980)			
	10/01/2003 16:23:50 Restarted by 192.168.123.114			

You can View system log by clicking the View Log button

# 4.8.2 Firmware Upgrade

*** 013 0 U	311-2-20-11 第一型
	Multi-Functional Broadband NAT Router
Administrator's Main Menu	Firmware Upgrade
<ul> <li>Stanis</li> <li>Winsel</li> <li>Environition Rober</li> <li>Environition Rober</li> <li>Secondar Stations</li> <li>Advanced Stations</li> <li>Tambérs</li> <li>Merci Lons</li> <li>Tambérs</li> <li>Merci Lons</li> <li>Tambérs</li> <li>Second Stations</li> <li>Tambérs</li> <li>Second Stations</li> </ul>	Immerer Filenaus         Immerer Filenaus

You can upgrade firmware by clicking **Firmware Upgrade** button.

# 4.8.3 Backup Setting

File Dov	vnload
?	You are downloading the file: config.bin from 192.168.123.254
	Would you like to open the file or save it to your computer?
	✓ Always ask before opening this type of file

You can backup your settings by clicking the **Backup Setting** button and save it as a bin file. Once you want to restore these settings, please click **Firmware Upgrade** button and use the bin file you saved.

# 4.8.4 Reset to default



You can also reset this product to factory default by clicking the Reset to default button.

# 4.8.5 Reboot



You can also reboot this product by clicking the **Reboot** button.

# 4.8.6 Miscellaneous Items

9++ 013 010	9 10 - 20 - 21	\$1) - A
	Multi-Functional Broadband NAT Router	
Administrator's Main Menu	Miscellaneous Iten	15
<ul> <li>Stang</li> <li>Winard</li> <li>Environment Section</li> <li>Second Section</li> <li>Advanced Section</li> <li>Advanced Section</li> <li>Section Section</li> </ul>	Image         • MAC Address for Wake-on-LAN         • Domain Name or IP address for Ping Test         Image         Image         Image         Image         Image	Wake up           Fing

#### MAC Address for Wake-on-LAN

Wake-on-LAN is a technology that enables you to power up a networked device remotely. In order to enjoy this feature, the target device must be Wake-on-LAN enabled and you have to know the MAC address of this device, say 00-11-22-33-44-55. Clicking "Wake up" button will make the router to send the wake-up frame to the target device immediately.

# Domain Name or IP address for Ping Test

Allow you to configure an IP, and ping the device. You can ping a specific IP to test whether it is alive.

# Chapter 5 Print Server

This product provides the function of network print server for MS Windows 95/98/NT/2000 and Unix based platforms. (If the product you purchased doesn't have printer port, please skip this chapter.)

## 5.1 Configuring on Windows 95/98 Platforms

After you finished the software installation procedure described in Chapter 3, your computer has possessed the network printing facility provided by this product. For convenience, we call the printer connected to the printer port of this product as *server printer*. On a Windows 95/98 platform, open the *Printers* window in the *My Computer* menu:



Now, yon can configure the print server of this product:

 Find out the corresponding icon of your server printer, for example, the HP LaserJet 6L. Click the mouse's right button on that icon, and then select the *Properties* item:

HP LaserJet 6L (PCL) Properties	? X
General Details Sharing Paper Print Quality Fonts Device Options	
HP LaserJet 6L (PCL)	
<u>C</u> omment:	
Separator page: (none)	
Print <u>T</u> est Page	
OK Cancel <u>Apply</u> Hel	2

2. Click the *Details* item:

HP LaserJet 6L (PCL) Properties	? ×
General Details Sharing Paper Print Quality Fonts Device Options	
HP LaserJet 6L (PCL)	
Print to the following port:	
PRTmate: (All-in-1) Add Port	
Print <u>u</u> sing the following driver:	
HP LaserJet 6L (PCL)	
Capture Printer Port End Capture	
Timeout settings	
Not <u>s</u> elected: 15 seconds	
Transmission retry: 45 seconds	
Spool Settings Port Settings	
OK Cancel <u>Apply</u> He	lp

- 3. Choose the "PRTmate: (All-in-1)" from the list attached at the *Print To* item. Be sure that the *Printer Driver* item is configured to the correct driver of your *server printer*.
- 4. Click on the button of *Port Settings*:

Printer Position	×
Enter the Product's IP :	ОК
192.168.123.254	Cancel

Type in the IP address of this product and then click the **OK** button.

5. Make sure that all settings mentioned above are correct and then click the *OK* button.

# 5.2 Configuring on Windows NT Platforms

The configuration procedure for a Windows NT platform is similar to that of Windows 95/98 except the screen of printer *Properties*:

💰 Hewlett Packard LaserJet 6L Properties 🛛 🛛 😰 🗙				
General Ports Scheduling Sharing Security Device Settings				
Hewlett Packard LaserJet 6L  Print to the following port(s). Documents will print to the first free				
checked port.	Description	Dista		
COM1: COM1: COM2: COM3: COM4: FILE: FATmate FAXmate	Local Port Local Port Local Port Local Port Local Port Local Port Local Port Local Port Local Port	Hewlett Packard L		
Add Port     Delete Port     Configure Port       Enable bidirectional support       Enable printer pooling				
		OK Cancel		

Compared to the procedure in last section, the selection of *Details* is equivalent to the selection of **Ports**, and *Port Settings* is equivalent to *Configure Port*.

# 5.3 Configuring on Windows 2000 and XP Platforms

Windows 2000 and XP have built-in LPR client, users could utilize this feature toPrint.

# You have to install your Printer Driver on LPT1 or other ports before you preceed the following sequence.

1. Open Printers and Faxs.



ieneral Sharing Ports 4	Advanced Color Managemer	nt 設定
Location:		
Comment:		
Model: HP LaserJet 220	10 Series PCL 6	
Color: No	Paper available:	
Double-sided: Yes Staple: Unknown		~
Speed: Unknown Maximum resolution: 1200	dpi	~
Pri	nting Preferences	nt <u>T</u> est Page

2. Select "Ports" page, Click "Add Port..."

eneral 5 no H Print to the f checked po	P LaserJet 2200 Ser ollowing port(s). Doc	anced    Lolor Management    5x) ies PCL 6 uments will print to the first free	₩ <u>₩</u>
Port	Description	Printer	~
LPT1:	Printer Port	HP LaserJet 2200 Series P	°C
LPT2:	Printer Port		
LPT3:	Printer Port		
🗆 со	Serial Port		
🗆 со	Serial Port		
🗆 со	Serial Port		
	Serial Port		~
Add F	'or <u>t</u>	elete Port <u>C</u> onfigure	Port
<u>Enable bi</u>	directional support		
Enable or	inter pooling		

3. Select "Standard TCP/IP Port", and then click "New Port..."

Printer Ports	? 🗙
<u>A</u> vailable port types:	
Standard TCP/IP Port	
(c <u>.</u>	
New Port Type	New Port Cancel

4. Click Next and then provide the following information:

Type address of server providing LPD that is our NAT device:192.168.123.254

Add Standard T	CP/IP Printer Port Wizard 🛛 🔀
	Welcome to the Add Standard TCP/IP Printer Port Wizard You use this wizard to add a port for a network printer. Before continuing be sure that: 1. The device is turned on. 2. The network is connected and configured.
	To continue, click Next.
	< Back Next > Cancel
Add Standard T	CP/IP Printer Port Wizard 🔀
Add Port For which device do you	want to add a port?
Enter the Printer Name or	IP address, and a port name for the desired device.
Printer Name or IP <u>A</u> ddre	192.168.123.254
<u>P</u> ort Name:	IP_192.168.123.254

5. Select Custom, then click "Settings..."

Add Standard TCP/IP Printer Port Wiz	ard 🔀
Additional Port Information Required The device could not be identified.	
<ul> <li>The device is not found on the network. Be sure that:</li> <li>1. The device is turned on.</li> <li>2. The network is connected.</li> <li>3. The device is properly configured.</li> <li>4. The address on the previous page is correct.</li> <li>If you think the address is not correct, click Back to return to the previous page. T the address and perform another search on the network. If you are sure the address select the device type below.</li> </ul>	hen correct ss is correct,
O Standard Generic Network Card ⊙ <u>C</u> ustom <u>Settings</u> < Back Next >	Cancel

6. Select "LPR", type " **lp**" lowercase letter in "Queue Name:"

And enable "LPR Byte Counting Enabled".

ort Name:	IP_192.168.123.254
rinter Name or IP <u>A</u> ddress	192.168.123.254
Protocol O <u>R</u> aw	<u>⊚</u> <u></u>
Raw Settings Port <u>N</u> umber:	9100
LPR settings Queue Name:	lp l
LPR Byte Counting E	nabled
SNMP Status Enable	1
Community Name:	public

7. Apply your settings

Add Standard TCP/IP Printer Port Wizard 🛛 🔀			
	Complet TCP/IP You have selec	ing the Add Standard Printer Port Wizard sted a port with the following characteristics.	
	SNMP: Protocol: Device: Port Name: Adapter Type:	No LPR, lp 192.168.123.254 IP_192.168.123.254	
	To complete th	is wizard, click Finish.	
< <u>B</u> ack Finish Cancel			
& HP Laser Jet 2	2200 Se	ries PCL 6 Pro ? 🔀	
General Sharing Ports Ac	Ivanced Color M	Management 設定	

I COM4: S	Serial Port		
	and the second se		
	Print to File	5	
1 IP_192.168.123.294 3	ocal Port	Auto bo des	
l IR L	.ocal Port		*
		>	
Add Port	Delete Port	Configure Port.	

# 5.4 Configuring on Unix based Platforms

Please follow the traditional configuration procedure on Unix platforms to setup the print server of this product. The printer name is "lp."

# Appendix A TCP/IP Configuration for Windows 95/98

This section introduces you how to install TCP/IP protocol into your personal computer. And suppose you have been successfully installed one network card on your personal computer. If not, please refer to your network card manual. Moreover, the Section B.2 tells you how to set TCP/IP values for working with this NAT Router correctly.

## A.1 Install TCP/IP Protocol into Your PC

- 1. Click *Start* button and choose *Settings*, then click *Control Panel*.
- 2. Double click *Network* icon and select *Configuration* tab in the Network window.
- 3. Click *Add* button to add network component into your PC.
- 4. Double click *Protocol* to add TCP/IP protocol.



5. Select *Microsoft* item in the *manufactures* list. And choose *TCP/IP* in the *Network Protocols*. Click *OK* button to return to Network window.

Click the Network Protocol	Protocol that you want to install, then click DK. If you have for this device, click Have Disk.
Manufactures: ST Banyon ST IBM Microsoft ST Novel	Network Protocols: Fast Infrared Protocol FileNSPX-compatible Protocol Microsoft 32-bit DLC Microsoft DLC FileNetBEUI CEP/IP
	Heve Disk

6. The TCP/IP protocol shall be listed in the Network window. Click *OK* to complete the install procedure and restart your PC to enable the TCP/IP protocol.

## A.2 Set TCP/IP Protocol for Working with NAT Router

1. Click *Start* button and choose *Settings*, then click *Control Panel*.

2. Double click *Network* icon. Select the TCP/IP line that has been associated to your network card in the *Configuration* tab of the Network window.

Network 🔛 🔀				
Configuration   Identification   Access Control				
The following getwork components are installed:				
PCI Fast Ethernet DEC 21140 Based Adapter				
a NetBEUI -> Dial-Up Adapter				
■ NetBEUI > PCI Fast Ethemet DEC 21140 Based Adapter				
TCP/P ⇒ Dial-Up Adapter				
Ele and miniat sharing for Minneroft Naturals				
Add Remove Properties				
Primary Network Logon:				
Client for Microsoft Networks				
Elle and Print Sharing				
Description TCP/IP is the protocol you use to connect to the Internet and wide-area networks.				
DK Cancel				

- 3. Click *Properties* button to set the TCP/IP protocol for this NAT Router.
- 4. Now, you have two setting methods:
  - A. Get IP via DHCP server

a. Select *Obtain an IP address automatically* in the *IP Address* tab.

TCP/IP Properties		? ×
Binding:	Advanced	NetBIDS
DNS Configuration	Gateway   WINS Confi	iguration IP Address
An IP address can If your network dow your network admin the space below.	be automatically assigne is not automatically assig istrator for an address, a	d to this computer. n IP addresses, ask nd then type it in
C Dotain an IP	address automatically	
C Specily an IP	address:	
[P/diese		
Sgönet Mas	s	
	D8	Cancel

b. Don't input any value in the *Gateway* tab.

TCP/IP Properties		? X
Binding: DNS Configuration	Advanced Gateway WINS Con	NetBIDS figuration   IP Address
The first gateway i The address order machines are used	n the Installed Gateway in the list will be the orde 1	ist will be the default. If in which these
New gateway:	. <u>é</u> d	d
Installed gatewa	pe	775 I
	0	K. Cancel

c. Choose *Disable DNS* in the *DNS Configuration* tab.

TCP/IP Properties		? X
Binding: DNS Configuration	Advanced Gisteway WINS Co	NetBIDS onliguration   IP Address
C Enable DNS		
Hot	Dynan	
DNS Server See	nch Sinder	<u>Add</u> Benove
Domein Soffie Ge	ranch Dider	Agti Hepove
		DK Cancel

- B. Configure IP manually
  - a. Select *Specify an IP address* in the *IP Address* tab. The default IP address of this product is 192.168.123.254. So please use 192.168.123.xxx (xxx is between 1 and 253) for *IP Address* field and 255.255.255.0 for *Subnet Mask* field.

TCP/IP Properties		? ×
Binding: DNS Configuration 6	Advanced sleway WINS Confi	NetBIDS guration IP Address
An IP address can be If your network does n your network administ the space below.	automatically assigne- tot automatically assign rator for an address, a	d to this computer. n IP addresses, ask nd then type it in
C Dbtain an IP ad	dress automatically	
If <u>Specily</u> an IP ac	kbecs:	
JP Address:	192.168.123	.115
Sybnet Mask:	255.255.255	. 0
	DK	Cancel

b. In the *Gateway* tab, add the IP address of this product (default IP is 192.168.123.254) in the *New gateway* field and click *Add* button.

TCP/IP Properties
Binding: Advanced NetBIDS DNS Configuration Gateway WINS Configuration IP Address
The first gateway in the Installed Gateway list will be the default. The address order in the list will be the order in which these machines are used.
New gateway: 192.168.123.254
Installed gateways:
OK Cancel

c. In the *DNS Configuration* tab, add the DNS values which are provided by the ISP into *DNS Server Search Order* field and click *Add* button.

TCP/IP Properties
Bindings Advanced NetBIDS DNS Configuration Gateway WINS Configuration IP Address
C Djsable DNS C Enable DNS Host MyComputer Dgmain DNS Server Search Drder 158, 95, 192, 1
168.95.1.1 Benove
Domain Suffix Search Order
OK Cancel