## **Connecting a USB printer**

Connect a compatible USB printer to the USB 2.0 port of the ASUS Wireless Router and share the USB printer with your LAN clients.



Note: Visit the ASUS Website at http://www.asus.com for compatible printer vendor and models.

#### To connect a USB printer:

- 1. Plug your USB printer to the USB 2.0 port on the rear panel of the wireless router.
- 2. Install the printer driver for your computer's operating system.



Note: Refer to the section below to install the printer on Windows® XP.

### Installing the printer on Windows® XP

#### To install the printer on Windows® XP:

 Run the Add Printer Wizard from Start > Printers and Faxes > Add a printer.



2. Select Local printer attached to this computer and click Next.



3. Select Create a new port and set Type of port to Standard TCP/IP Port, then click Next.

Add Printer Wizard Select a Printer Port Computers communicate w	d Printer Wizard Select a Printer Port Computers communicate with printers through ports.		
Select the port you want yo new port.	our printer to use. If the port is not listed, you can create a		
O Use the following port	LPT1: (Recommended Printer Port)		
Note: Most computers The connector for this	use the LFT1: port to communicate with a local printer port should look isomething like this:		
<ul> <li>Create a new port: Type of port:</li> </ul>	Standard TCP/IP Port		
	<back next=""> Cancel</back>		

4. Click **Next** to set up the TCP/IP port for accessing the network printer.

Add Standard TCP/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 use that 1. The device in unred on 2. The network is connected and configured	
	To continue, click Next.	
	< Back Next > Can	cel

 Key in the IP address of the wireless router in the Printer Name of IP Address field and click Next.

Add Standard TCP/IP Printer P	ort Wizard 🛛 🛛 🛛	
Add Port For which device do you want to add a port?		
Enter the Printer Name or IP ad	dress, and a port name for the desired device.	
Printer Name or IP Address:	192.168.1.1	
Port Name:	IP_192.168.1.1	
	<back next=""> Cancel</back>	

6. Select Custom and click Settings...



7. Set **Protocol** to **LPR** and type **LPRServer** in **Queue Name** field. Click **Next** to continue.

Configure Standard TCP	P/IP Port Monitor	2 🗙		
Port Settings				
Port Name:	IP_192.168.1.1			
Printer Name or IP Address	192.168.1.1	51		
Protocol Raw	⊙ LPR			
- Raw Settings		5		
Port Number:	9100			
LPR Settings		51		
Queue Name: LPRServer				
LPR Byte Counting Er	nabled			
SNMP Status Enabled	1			
Community Name:	public			
SNMP Device Index:	1			
	OK Cano	zel		

8. Press **Next** to finish the standard TCP/IP port setting.

	CP/IP Printer Port Wiza	rd	X
Additional Por The device	t Information Required could not be identified.		
The detected device is of unknown type. Be sure that: 1. The device is popely configued. 2. The address on the previous page is correct.			
Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.			
Device Type			
Device Type O Standard	Generic Network Card		
Oevice Type Standard Custom	Generic Network Card		

9. Press **Finish** to complete the settings and return to the Add Printer Wizard.

Add Standard TCP/IP Printer Port Wizard 🛛 🛛 🔀				
	Completing the Add Standard TCP/IP Printer Port Wizard You have selected a port with the following characteristics.			
	SNMP: No Protocot LPR, LPRServer Device 192,188.1.1 PortName IPA_192:168.1.1 Adgrer Type:			
		< Back Finish Cance	-	

10. Install printer driver from the vendor-model list. If your printer is not in the list, click **Have Disk** to manually assign the location of driver.

Install Printer Software The manufacturer and model	determine which printer software to use.	
Select the manufacturer at disk, click Have Disk. If yo compatible printer software	nd medel of your printer. If your printer came with an our printer is not leted, consult your printer documen s.	installation ation for
Manufacturer Compag Dataproducts Diocnix Digital Ebson	Printers ■ Epson Stylus Pro XL+ ESC/P 2 ■ Epson 1-1000 ■ Epson 7-750 EPSON Stylus Photo R210 Series	~

11. Click **Next** to accept the default name for the printer.

d Printer Wizard			
Name Your Printer You must assign a name to this printer.			
Type a name for this printer. Because s name combinations of more than 31 chi possible.	ome programs do n aracters, it is best to	ot support printer a keep the name as	nd server s short as
Printer name:			
EPSON Stylus Photo R210 Series			
	( Deals	Neda	Cereel

12. Select **Yes** to print a test page. Click **Next** to print.



 The installation is complete. Click Finish to quit the Add Printer Wizard.



14. After connecting your USB printer and installing the printer driver, you can now see the printer name and status on the wireless router's web GUI.



Note: If you have already installed the printer locally on your computer, right click the printer icon and select Property > Port tab to add a standard TCP/IP port. Click Add Port then select Standard TCP/IP Port and click New Port button. Refer to steps 5-8 for setting procedures.

Note: If you use Windows® 98 or ME which does not support Standard TCP/IP port, you need to use Remote Port which is supported by the ASUS Wireless Router.

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# Installing the utilities

The support CD contains the utilities for configuring the ASUS Wireless Router. To install the ASUS WLAN Utilities in Microsoft<sup>®</sup> Windows, insert the support CD in the CD drive. If Autorun is disabled, run **setup.exe** from the root directory of the support CD.

#### To install the utilities:

1. Click Install...Utilities.



2. Click Next.



- Click Next to accept the default destination folder or click Browse to specify another path.
- JASK FAT (11) Windows Roader Voltation
   Image: State State Action Actions and a state State
- 4. Click **Next** to accept the default program folder or enter another name.

5. Click **Finish** when setup is completed.



ASUS RT-N13U Wireless Ros	
	InstallShield Wizard Complete
InstallSrield	< Back Finish Cancel

## **Device Discovery**

Device Discovery is an ASUS WLAN utility that detects an ASUS wireless router device, and enables you to configure the device.

#### To launch the Device Discovery utility:

 From your computer's desktop, click Start > All Programs > ASUS Utility > RT-N13U Wireless Router > Device Discovery.

ġ	Device Disco	very				
	Device	SSID	IP Address	Subnet Mask	Printer	
	RT-N13U	ASUS	192.168.1.1	255.255.255.0		
	<					
		🐮 Configuro	1 4	. Soarch	1 31	Evit
				<u>3 3</u> earch		
Nu	umber of found de	vice[s]: 1				11

## **Firmware Restoration**

Firmware Restoration is a utility that searches for an ASUS Wireless Router that failed during its firmware upgrading process, then restores or re-uploads the firmware that you specify. The process takes about three to four minutes.

#### To launch the Firmware Restoration utility:

 From your computer's desktop, click Start > All Programs > ASUS Utility RT-N13U Wireless Router > Firmware Restoration.

🕹 Firmware Resto	oration		×
<u>F</u> ilename:			<u>B</u> rowse
Once you have	specified a file, click the	"Upload" button.	
	Upload	Close	

Note: This is not a firmware upgrade utility and cannot be used on a working ASUS Wireless Router. Normal firmware upgrades must be done through the web interface. Refer to Chapter 4: Configuring via the web GUI for more details.

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## **WPS Wizard**

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WPS (Wi-Fi Protected Setup) allows you to set up a secure and protected wireless network easily.

### **Using WPS Wizard**

· Ensure that you use a wireless LAN dapter with WPS function.

· Windows® operating systems and wireless LAN cards/adapters that support WPS:

OS Support	Wireless Adapter Support
	Intel wireless LAN card
Vista 32/64	ASUS 167gv2 driver v3.0.6.0 or later
	ASUS 160N/130N driver v2.0.0.0 or later
	Intel wireless LAN card
XP SP2	ASUS 167gv2 driver v1.2.2.0 or later
	ASUS 160N/130N driver v1.0.4.0 or later
	ASUS LAN card with ASUS WLAN Utility
XP SP1 and 2000	ASUS 167gv2 driver v1.2.2.0 or later
	ASUS 160N/130N driver v1.0.4.0 or later

### To use WPS Wizard:

1. Follow the onscreen instructions to set up your hardware. When done, click Next.



**Note:** Use the WPS Wizard with one wireless client at a time. If the wireless client cannot discover the wireless router, shorten the distance between the client and the router.

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2. Push the WPS button on the front panel of the wireless router for more than five seconds.



3. On the WPS Wizard, click Next to continue.





#### Notes:

- When running WPS, the Internet connection pauses briefly then reestablishes the connection.
- If the WPS button is pushed without running the WPS Wizard, the PWR indicator flashes and Internet connection pauses briefly and then reestablishes the connection.

4. Assign a name to your network, then click Next.

n WPS Wizard		
VPS Wizard		
Assign a name for your network		
Choose a name that people who connect to your network will recognize.	Help ? SSID is a string used to identify a wireless LAN. Use the automatically generated this even with the set	
Vou can type up to 32 letters or numbers.	assign the SSID manually.	
6	Next Cancel	

5. Use the auto-generated passphrase as your network's security key or manually assign a passphrase containing between 8 and 63 characters. Click **Next**.

🗊 WPS Wizard		
<b>ISUS</b> WPS Wizard		
Make your network more secure with a passphrase		
This wizard will use the passphrase provided below to generate a WPA security key for you. Passphrase:	A security key can prevent outsider from accessing your wireless network. Use the automatically generated string as your passphrase or assign the passphrase manually.	
OGGENVUGBIKREODIYF2F2 The passphrase must be between 8 and 63 characters.		
✓ Display characters		
Create a different passphrase for me     Show advanced network security options		
Back	Next Cancel	

 Installation is completed. Click Save or print settings for future reference or Save settings to a USB flash drive to add other devices to the network. Click Next to connect to the Internet.





Note: For more details on adding devices to the network using a USB flash drive, refer to the section Adding network devices using a USB flash drive on the next page.

You have connected to the wireless router. If you want to configure the Internet settings, click Setup. Click Finish to close the WPS Wizard.

