

**Grandstream Networks, Inc.**

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**Network Printer**

Setup Guide



# Overview

The Network Printer feature allows a USB printer connected to the router to be shared with multiple users on the same local network. It is designed for environments where the printer does not have its own Ethernet or Wi-Fi connection, but still needs to be accessible from more than one computer.

After network printing is enabled on the router, computers can connect to the shared printer using common printing protocols such as LPR or Raw TCP. Each computer must add the printer and install the appropriate driver once, because the router shares access to the printer but does not manage driver installation or client printer setup.

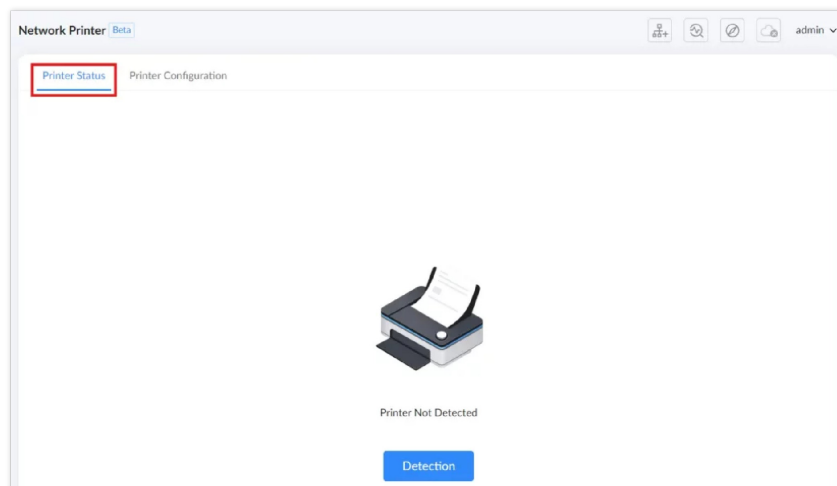
## Router-Side Configuration

**Note:** This feature is in beta.

### Printer Status

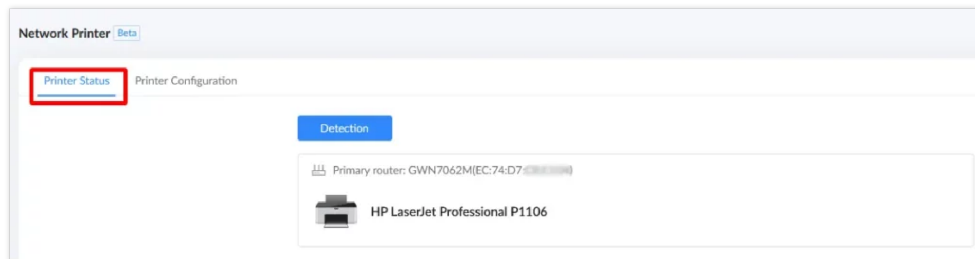
Sign in to the router web UI and navigate to **Advanced** → **USB Application** → **Network Printer**. The **Printer Status** tab is where you confirm the router can see the USB printer before you try to share it.

Make sure the printer is plugged into the router's USB port, powered on, and in a ready state. Then click **Detection** to scan for the connected printer.



Printer Status

After detection completes, the printer should appear in the list with its model information. If it does not appear, re-check the USB connection and printer readiness, then run **Detection** again.



Printer Status Detection

### Printer Configuration

Open the **Printer Configuration** tab to enable sharing and define how computers will connect to the printer.

Turn on **Network Printing**, then select the correct **Device Node** (this must match the node where the printer is physically connected, especially in a mesh setup). Next, choose a **Protocol** for client connections and confirm the corresponding port settings. When finished, click **Save**.

Network Printer
Beta

Printer Status
Printer Configuration

Network Printing
☒

\* Device Node
GWN7062M Primary
Printer Not Connected

Protocol
☒ Auto
☐ LPR
☐ Raw TCP

LPR Port
515

\* Raw Port
9100

Allow WAN Access
☒

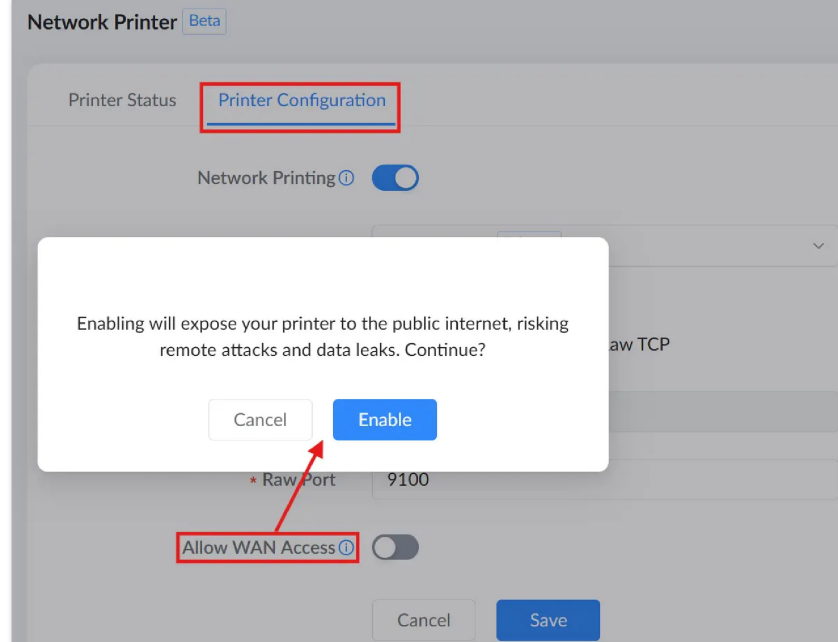
Printer Configuration

Use the table below as a reference for each option on this page:

| Field            | Description                                                                                                                                                                                                                                                                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Printing | Enables or disables sharing the connected USB printer on the local network.                                                                                                                                                                                                                                                                                            |
| Device Node      | Selects the mesh unit (node) where the USB printer is physically connected (for example, the primary router or a mesh node).<br>Printer sharing works only when the printer is connected to the selected node.                                                                                                                                                         |
| Protocol         | Selects the method computers must use to print through the router. Choose LPR (port 515) or Raw TCP (port 9100–9102) so the computer-side setup can match the same method.<br><i>Note: Auto automatically selects a protocol based on printer detection, but manual selection (LPR or Raw TCP) is recommended for predictable behavior. Use Auto only if required.</i> |
| LPR Port         | Used when LPR is selected. Default is 515.                                                                                                                                                                                                                                                                                                                             |
| Raw Port         | Used when Raw TCP is selected. Default is 9100 (range 9100–9102).                                                                                                                                                                                                                                                                                                      |
| Allow WAN Access | Allows access from outside the local network using the WAN address. This increases exposure and should be enabled only when necessary and secured appropriately.                                                                                                                                                                                                       |

Printer Configuration

**Note:** If you enable **Allow WAN Access**, the printer can become reachable from outside your local network. Only enable this when it is strictly required, and only after you’ve confirmed you understand the risk (exposure to unauthorized access and potential data leakage). In most deployments, keep this setting disabled.

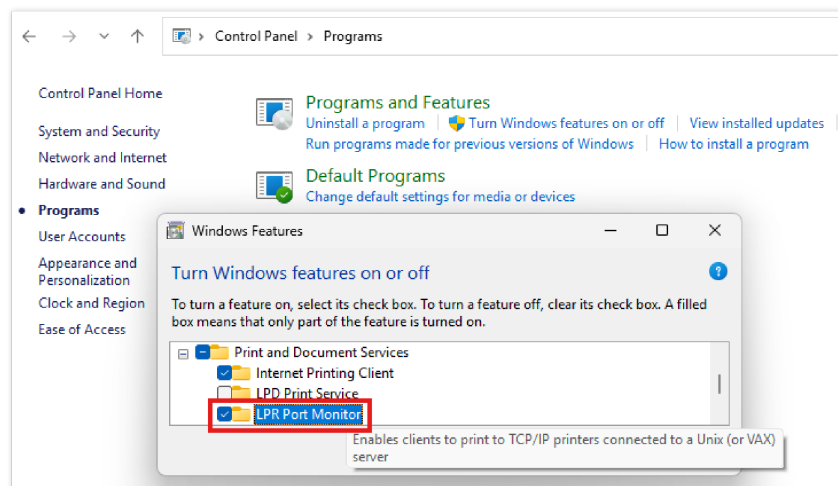


Allow WAN Access

## Computer-Side Configuration (Windows Example)

### Step 1: Enable LPR Port Monitor (LPR only)

If you plan to use **LPR** as the printing protocol, enable the Windows LPR feature first. Open **Control Panel** → **Programs** → **Turn Windows features on or off**, expand **Print and Document Services**, then enable **LPR Port Monitor**.

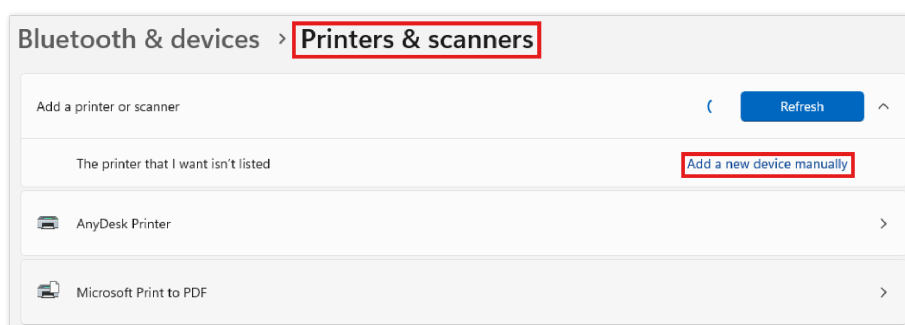


Step 1 Enable LPR Port Monitor LPR only

**Note:** If you are using **Raw TCP**, skip this step.

### Step 2: Open Printers & scanners and start manual add

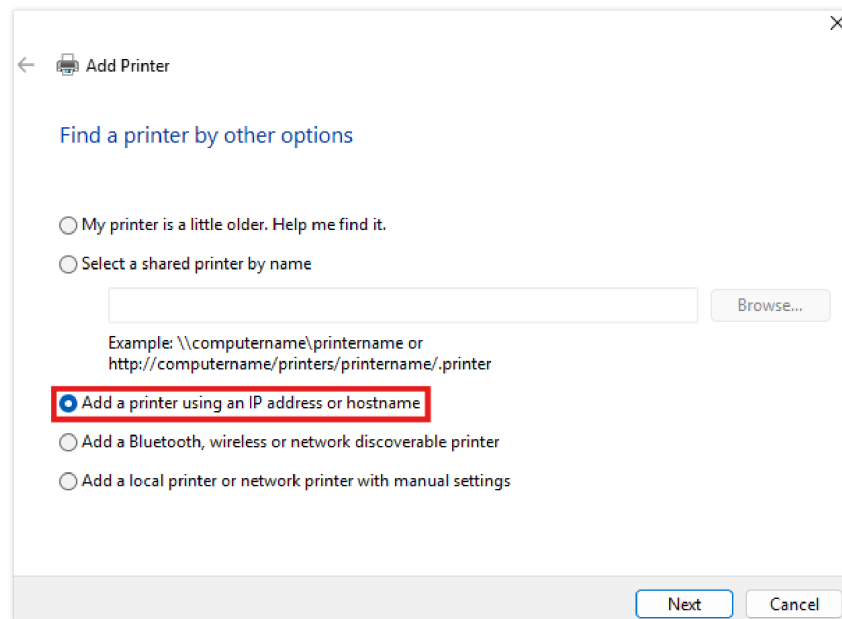
Open **Settings** → **Bluetooth & devices** → **Printers & scanners**. If the printer is not detected automatically, click **Add a new device manually**.



Step 2 Open Printers scanners and start manual add

### Step 3: Choose the TCP/IP option

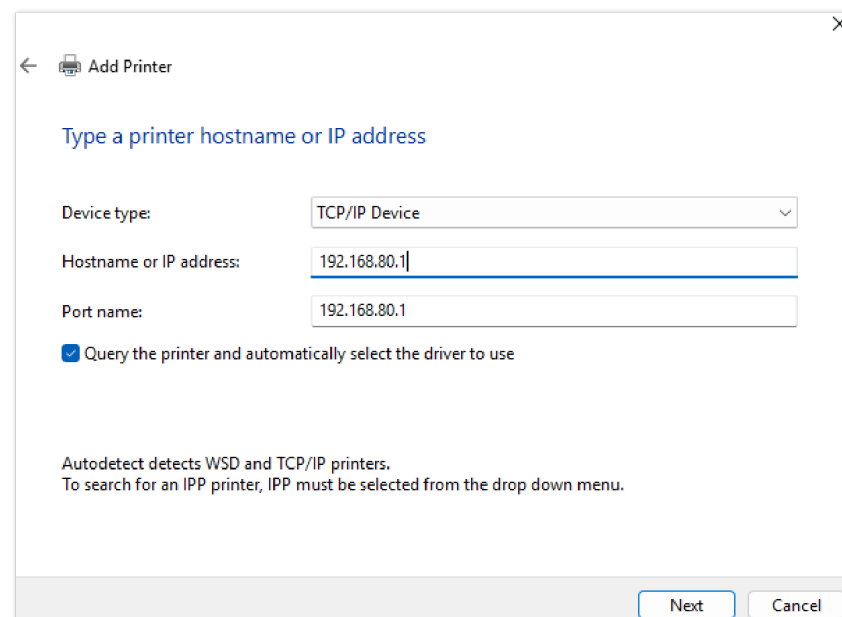
In the Add Printer wizard, select **Add a printer using an IP address or hostname**, then click **Next**.



Step 3 Choose the TCP/IP option

### Step 4: Enter the router IP address

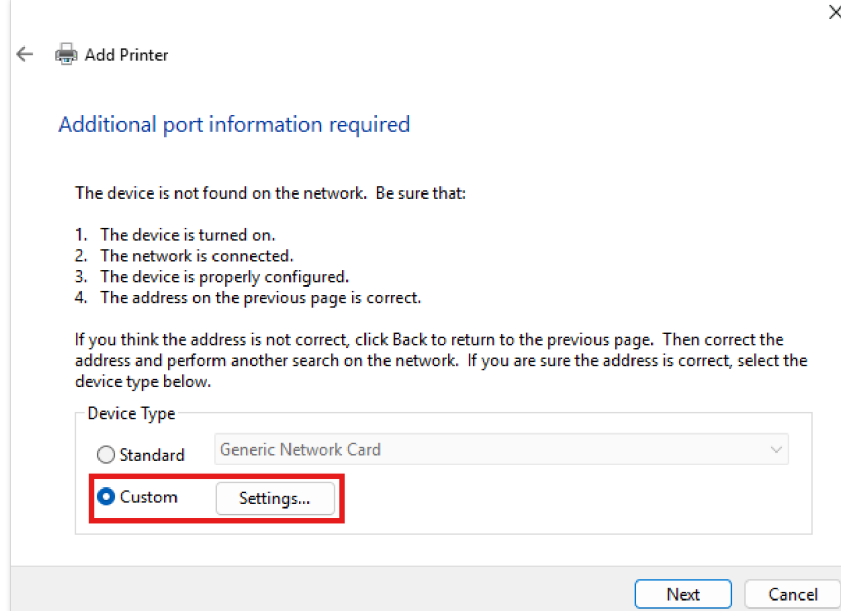
For **Device type**, keep **TCP/IP Device**. Enter the router's **LAN IP address** in **Hostname or IP address**. Leave **Query the printer and automatically select the driver to use** enabled, then click **Next**.



Step 4 Enter the router IP address

### Step 5: Open Custom port settings

If Windows shows **Additional port information required**, select **Custom**, then click **Settings**. This is where you match Windows to the protocol you selected on the router (**LPR** or **Raw TCP**).

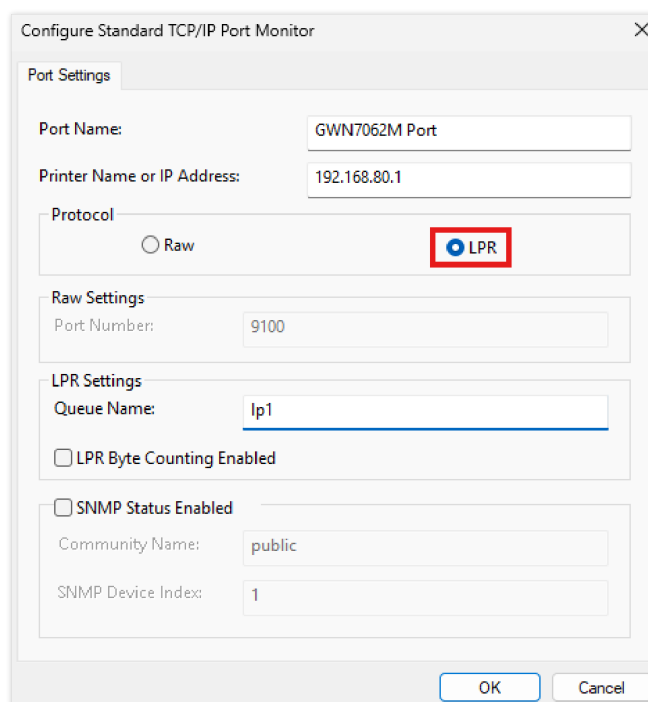


Step 5 Open Custom port settings

## Step 6: Configure the port protocol (LPR or Raw TCP)

Choose the option that matches the **Protocol** selected on the router.

- **Option A: LPR:** Select **LPR**, set **Queue Name** to **lp1**, then click **OK**.



Step 6 Configure the port protocol LPR

- **Option B: Raw TCP:** Select **Raw**, set **Port Number** to the router's **Raw Port** (default **9100**), then click **OK**.

Configure Standard TCP/IP Port Monitor

Port Settings

Port Name: GWN7062M Port

Printer Name or IP Address: 192.168.80.1

Protocol

☒ Raw ☐ LPR

Raw Settings

Port Number: 9100

LPR Settings

Queue Name:

☐ LPR Byte Counting Enabled

☐ SNMP Status Enabled

Community Name: public

SNMP Device Index: 1

OK Cancel

Step 6 Configure the port protocol Raw

## Step 7: Install the printer driver

When prompted, select the correct **Manufacturer** and **Printer** model. If the driver is not listed, click **Windows Update** or select **Have Disk...** and provide the vendor driver package.

← Add Printer

Install the printer driver

Choose your printer from the list. Click Windows Update to see more models.  
To install the driver from an installation CD, click Have Disk.

| Manufacturer | Printers                       |
|--------------|--------------------------------|
| AnyDesk      | Generic / Text Only            |
| Generic      | Generic IBM Graphics 9pin      |
| Microsoft    | Generic IBM Graphics 9pin wide |
|              | MS Publisher Color Printer     |
|              | MS Publisher ...               |

This driver is digitally signed.  
[Tell me why driver signing is important](#)

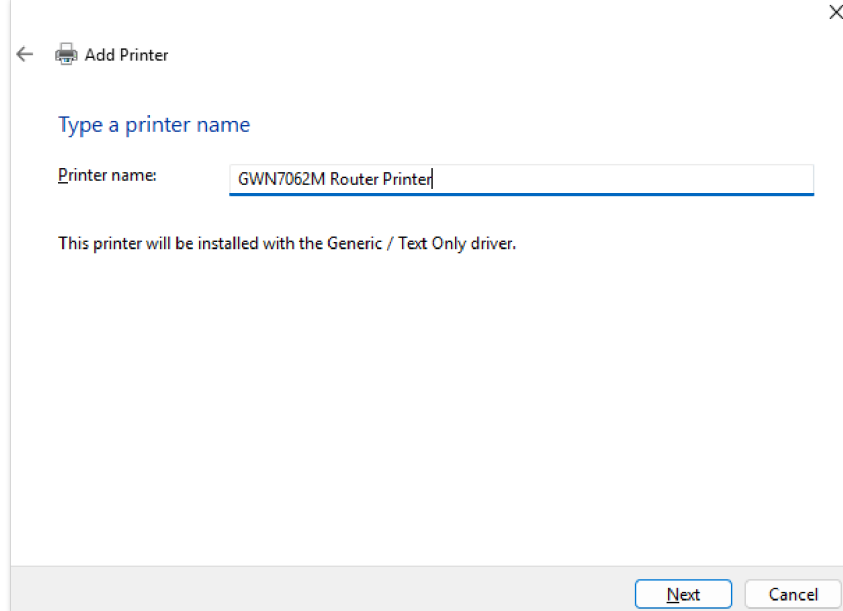
Windows Update Have Disk...

Next Cancel

Step 7 Install the printer driver

## Step 8: Name the printer

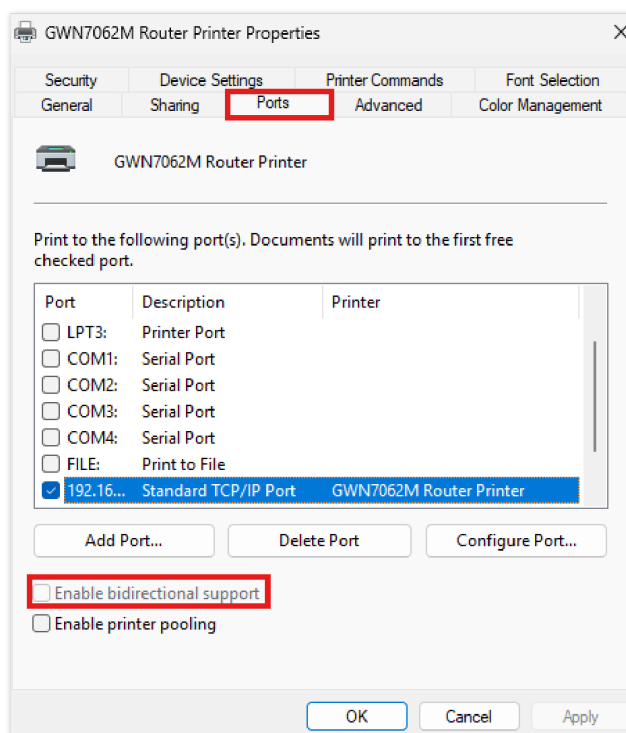
Enter a friendly printer name (for example, "GWN7062M Router Printer"), then continue to finish the wizard.



Step 8 Name the printer

## Step 9: Disable bidirectional support (recommended)

After installation, open the printer's **Printer properties**, go to the **Ports** tab, and clear **Enable bidirectional support**. This can help prevent printing issues when using a shared TCP/IP printer port.



Step 9 Disable bidirectional support recommended

## Supported Devices

This guide applies to the following router model: **GWN7062M**

A USB printer is required and must be physically connected to the router's USB port. The printer must be powered on and in a ready state so the router can detect it and make it available to network clients.

The following USB printer models have been tested and verified with the GWN7062M Network Printer feature:

- Brother MFC-8535DN
- HP Laser Jet Pro MFP M227Ffdw

**Note:** Printer compatibility can vary by model and driver support. If the printer is not detected, try a different USB cable, confirm the printer is working locally, and ensure the printer is not connected through an unsupported USB hub.



