XBLUE Hybrid-IP Business Telephone System Quick Installation Guide

For more details on powering up the X25, X50 & X50XL XBLUE Servers see "Product Support" on our website at xblue.com.

Congratulations on the purchase of your XBLUE Hybrid-IP Telephone System!

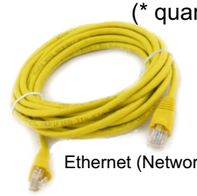
Hybrid means this system connects to analog telephone lines (regular phone lines) or VOIP (Cloud) telephone lines. Or BOTH!

Included in your XBLUE Phone System Bundle:

- XBLUE Hybrid-IP Server (X25/X50/X50XL)
- XBLUE IP Telephones *
- Ethernet Cable (color varies) *
- Data Switch *
- Telephone Line Cable *
- This Quick Install Guide

(* quantity varies with bundle)

X3030 IP Telephone & Power Supply


Ethernet (Network) Cable

Telephone Line Cable

Data Switch & Power Supply

XBLUE Server (X25/50) & Power Supply

To prepare, consider the following and answer questions...

1. Installation is simplified since your XBLUE Hybrid-IP system utilizes Ethernet network wiring.
2. Your XBLUE Hybrid-IP server should be located near the internet connection in your office where the ISP (Internet Service Provider) hookup is located.
3. If you're going to use standard telephone lines (telephone company or cable company) the server must be located where telephone/cable company lines are terminated from the telephone/cable company (interconnection point) or the telephone lines must be wired to where you will locate the server.
4. Do you have an existing network?
    1. If so, will you retain the existing network router as the gateway to the internet? Or will you change your network configuration using the XBLUE Server as the internet gateway ("edge" device)?
    2. Will the existing network wireless (WIFI) be used? (preferred-won't affect existing) Or,
    3. Will the wireless (WIFI) of the XBLUE Hybrid-IP server be used?
5. Whichever router you use as the internet gateway that router takes on the responsibility of network protection. If you use the XBLUE server as the internet gateway make sure that you secure the server against internet attackers... see the guide on our website (xblue.com): "Additional Security for XBLUE Hybrid-IP Servers" under Product Support - X25 or X50.
6. Will your application include remote XBLUE IP Telephones? (XBLUE IP Telephones located at off-site locations other than where the server is located, like a home office).
    1. XBLUE IP Telephones can be used anywhere there is an internet connection*.
       Prepare the following:
        1. Obtain a Static IP Address from your ISP. This will be used at the server location so that the phones placed at other locations can identify the location of the XBLUE server.
        2. The XBLUE server MUST be the edge device (gateway to the Internet).

Answering the questions above will make the installation easier and get your system working fast.

*** Speed matters! A good internet connection is required when using VOIP Lines and/or remote phones.**

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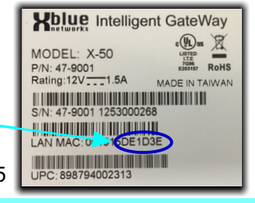
Powering Up:

1. Determine which Connection Method you will use in your application (see opposite side).
2. Before connecting the telephones to the network **connect ONLY the Server**. On new installations where the server is installed and ready, each telephone connected to the network is automatically configured and assigned an extension number in sequence beginning with extension 101.
3. Plug in the server power cord and switch the in-line switch on the power cord to ON.
   The X25 / X50 / X50XL will be fully powered up and operational when the power LED stops flashing.
4. Plug in each XBLUE IP telephone to the network as you want them numbered (101...).
5. If you're using standard telephone lines connect them to the server LINE ports.
6. VOIP telephone lines are programmed in the server and connect over the internet.
7. When all telephone lines are connnected to the server and all XBLUE IP telephones are connected to the network your system will be functional. Lines ring at all phones.
8. MANY custom programming options are available and accessed via a web browser. Not all browsers are the same... Mozilla Firefox and Google Chrome are good products that work well. Safari does not work well with our server.
9. Use an Ethernet cable and connect a PC to the XBLUE server via the **LAN** port (or data switch connected to the LAN port) and access the system using IP Address: **192.168.10.1:8850**... this entire address which includes the port number must be entered to access the programming interface. (NOTE: to program via the WAN port the HTTP option MUST be enabled.)
10. Once properly input, the login screen will appear. Login using the default Username and password:

    USERNAME: admin2583
    PASSWORD: admin*XXXXXX* ("*XXXXXX*" is the last six characters of the MAC Address)
    Find your server MAC Address on the label on the back side of the server.



Password from this label: admin**de1d3e** (all lowercase).

Note: Programming the X50/X50XL automatically starts a wizard but we have found that the wizard usually causes people to make changes they don't need to make... skipping the wizard is usually best. Just go the bottom of each wizard page, click on NEXT and then Save and Reboot at the end. The X25 Wizard is optional and accessed from the menu on the webpage programming.

No Programming Required! Your XBLUE Hybrid-IP system is factory set for the following:

- Extension 101 is the Attendant Extension (dial 0 from other extensions and the Automated Attendant)
- All incoming telephone line calls will ring at all registered extensions
- After ringing all phones for 20 seconds, callers are answered by the Automated Attendant
- The buttons labeled 1-4 on the phone are pre-programmed for use with the standard telephone lines 1-4
- WIFI Defaults: SSID: XBN-GW-*XXXXXX*, Security: WPA2-PSK, Password: **x61ue{25}[50]**

For more details on powering up X25, X50 & X50XL XBLUE Servers see our website at xblue.com. See "Product Support."

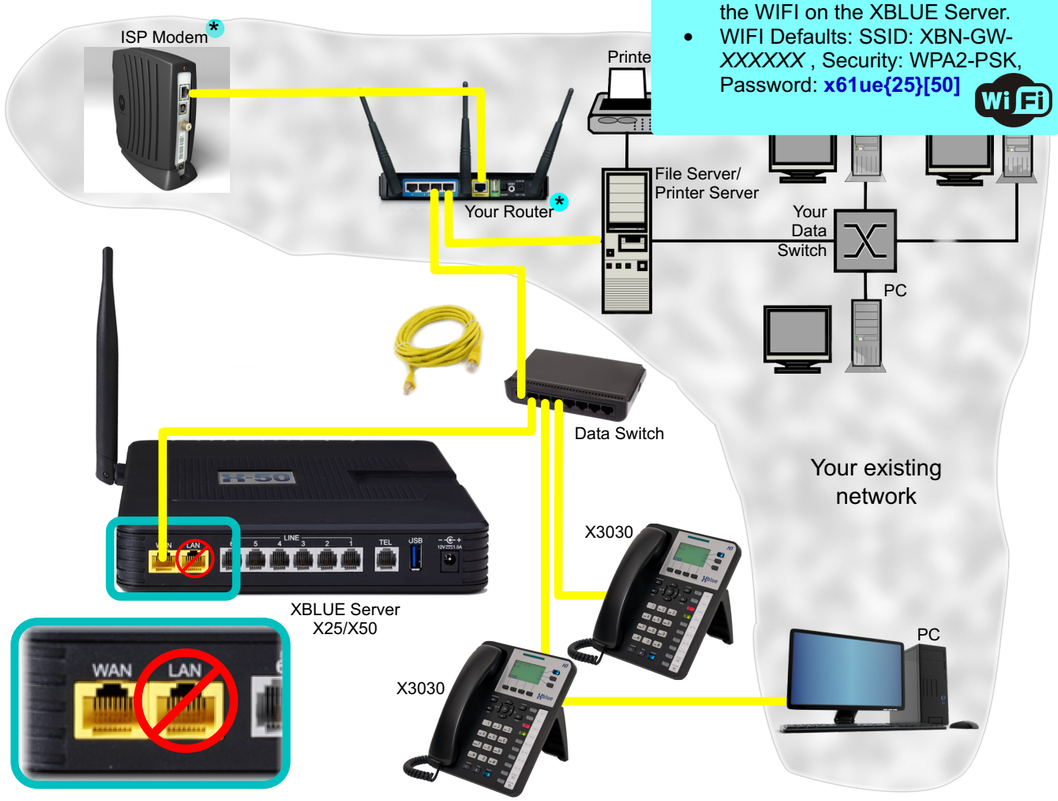
Simplest Connection Method

Does NOT support Remote Phones

Connecting your XBLUE Server to an existing network is the easiest installation since it will not change your current network configuration. In this configuration the WAN Port only of the XBLUE server is used (the LAN port is not used).

Notes:

- * The ISP modem and Router may be one device - a combined unit that does both functions.
- Its best to use only one WIFI Access Point in any one environment.
- If you're using WIFI on your existing router, you should disable the WIFI on the XBLUE Server.
- WIFI Defaults: SSID: XBN-GW-*XXXXXX* , Security: WPA2-PSK, Password: **x61ue{25}[50]**

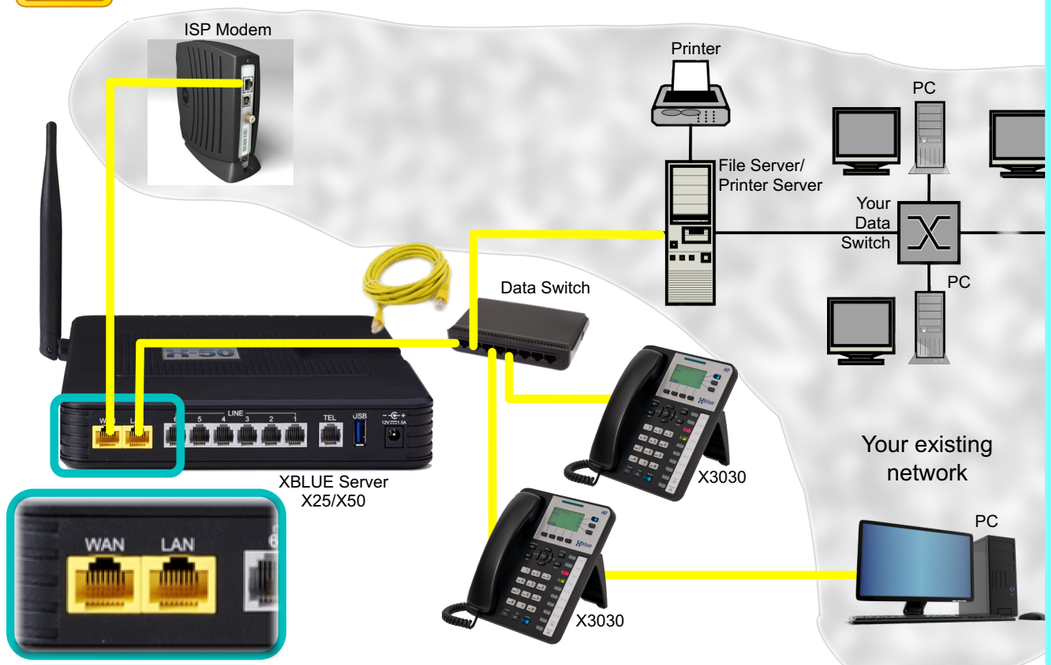


XBLUE Server as Router (Internet Gateway) Connection Method

Best performance and supports Remote Phones

Your XBLUE Server can host your network... Your XBLUE Hybrid-IP Server is also a Router and WIFI Access Point. This Connection Method supports Remote Phones! (XBLUE IP Phones located in other locations.)

NOTE: This connection technique places your server onto the internet and therefore MUST be secured against hacker attacks.



Notes:

- For remote phones you MUST program a static IP Address from your ISP on the XBLUE server WAN port.
- Remote phones must be programmed with the ISP Static IP Address.
  (See the video on xblue.com under support. "How To Setup X25 / X50 Off Premise Extension".)
- If you are NOT using remote phones a WAN Static IP Address is not required.
- See the video "**Added Security for XBLUE Hybrid-IP Servers**".
- Your existing network devices will be re-addressed to the XBLUE Server IP Address scheme (192.168.10.xxx).
- LAN Static IP Address assigned devices (printers, servers, etc.) must be set to the XBLUE Server IP Address scheme.
- Available IP Addresses for LAN Static devices are 192.168.10.151-192.168.10.253 (All others are reserved!)
- Its best to use only one WIFI Access Point in any one environment.

NOTEs:

1. Many network configurations are possible. See more examples on our website xblue.com
2. XBLUE Hybrid-IP Servers adhere to XBLUE's Do It Yourself designs and are most often easy to install, however complex routers and firewalls may require professional assistance. XBLUE will make every effort to assist you but does not provide technical support for other manufacturer routers or firewalls.

Standard Telephone Lines

(A.K.A. PSTN or Analog Lines)
The X25, X50 and X50XL servers are ready to go. The X25 has 4 analog line ports and the X50/X50XL has 6 analog line ports. Standard telephone lines may be delivered in many ways... if you have a standard telephone line gateway (like the Arris unit pictured) it'll be easy to connect your standard lines to the XBLUE Hybrid-IP server.
If your standard lines are coming into your building in a different way, request that your service provider terminate them on "RJ11" connectors - which can then be plug-to-plug connected into the server as well.
Using the Telephone Line Cables provided, just connect each telephone line from the service provider to the XBLUE server corresponding Line port.

VoIP Telephone Lines (CLOUD Lines)

VoIP Telephone Lines connect over the internet. No other hardware (Port) connection is required. Call XBLUE for service suggestions. VoIP Telephone Line subscriptions made with XBLUE includes free product support beyond the first year.

Telephone Line Connections

Connecting a FAX, Cordless, or Speakerphone

Port for one analog device (TEL). Use this analog port for connection of a FAX Machine cordless telephone or high-end speakerphone.

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