X16e Quick Setup Guide

The XBLUE X16e Business Communications Server is installed onto your existing Ethernet data network in three easy steps.

1. Connect the X16e server to your network.
2. Connect XBLUE IP9g telephones to your network.
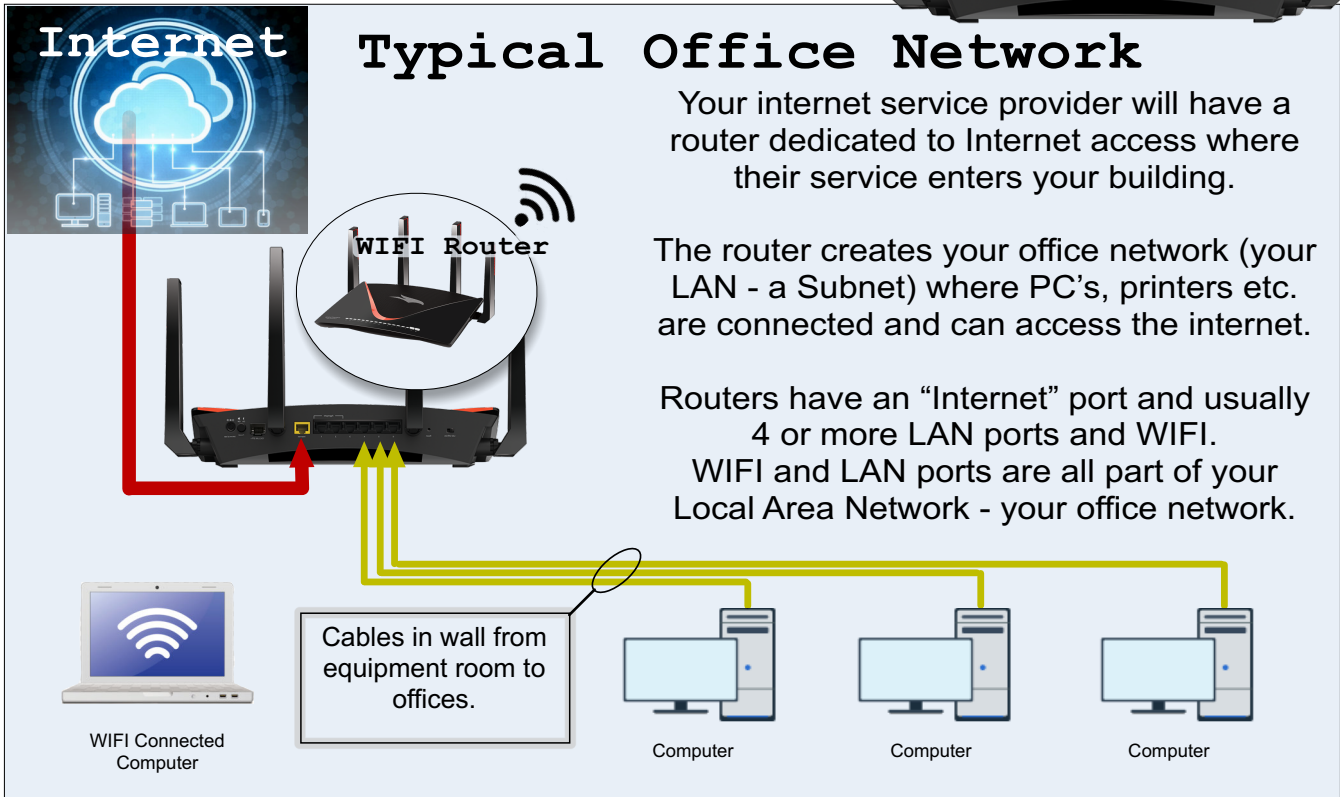3. Connect telephone lines to the X16e server.

Once these steps are complete your XBLUE IP9g telephones will begin to operate. The following steps go into the details to help you identify the components of your network.
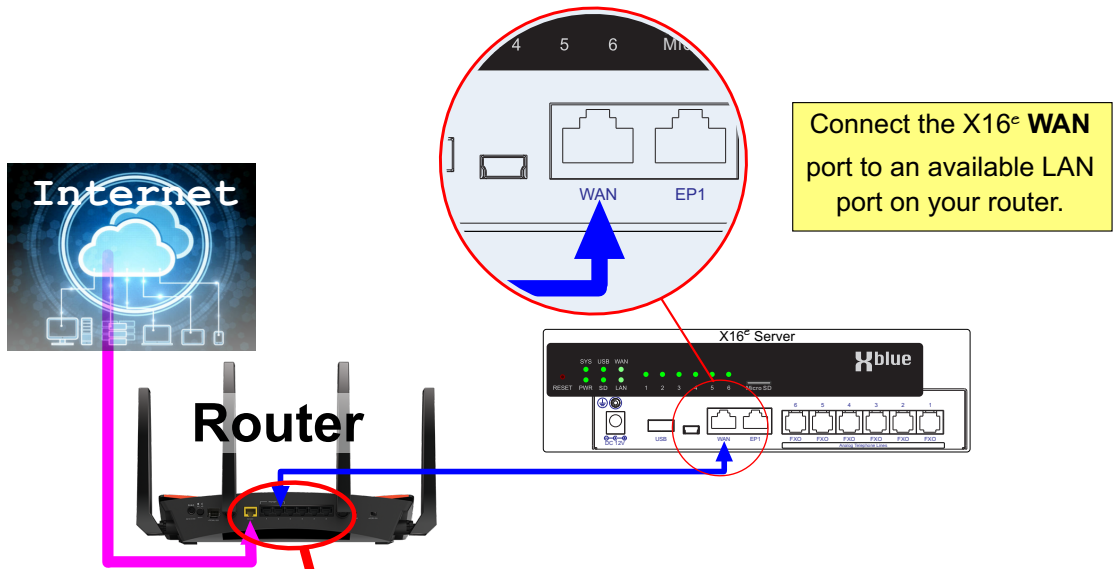
1. Connect the X16e server
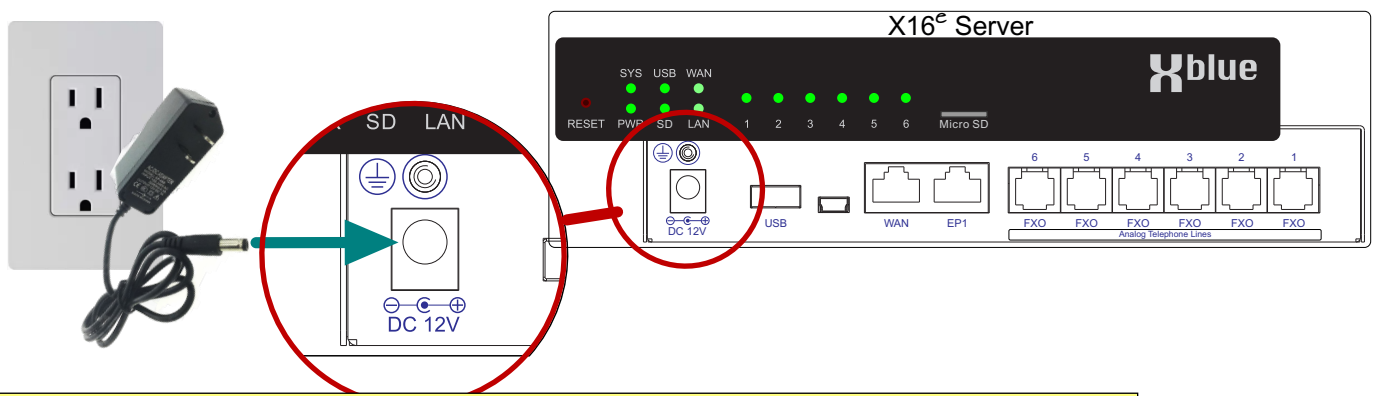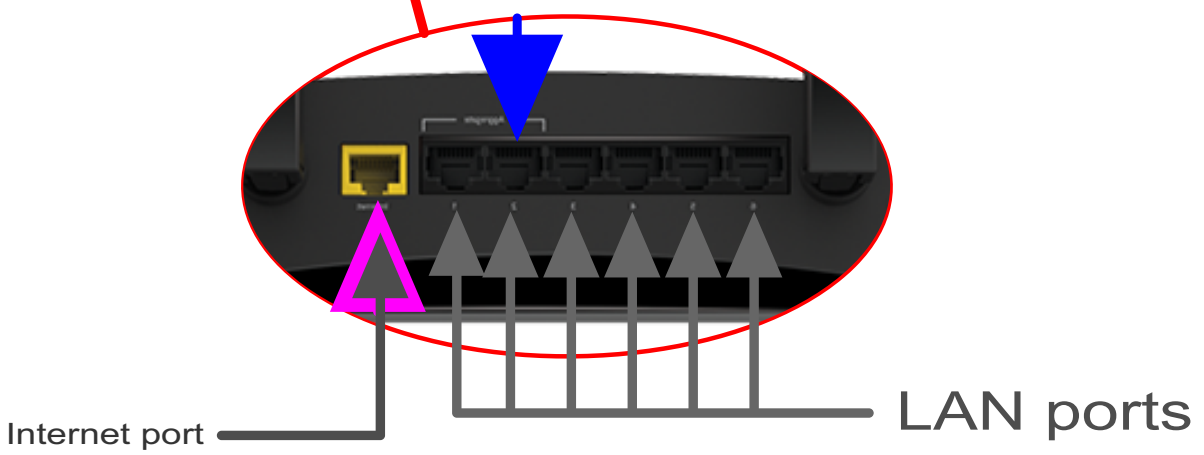
WIFI Router

Find the Router of your network. It is usually provided by the Internet Service Provider if you haven't purchased one of your own. Pictured is a typical WIFI router...

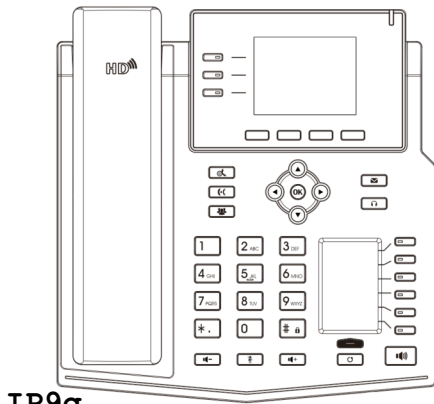Most often the router is in the same location as where the telephone lines enter your building.

Typical Office Network

Internet

WIFI Router

Your internet service provider will have a router dedicated to Internet access where their service enters your building.

The router creates your office network (your LAN - a Subnet) where PC's, printers etc. are connected and can access the internet.

Routers have an "Internet" port and usually 4 or more LAN ports and WIFI.
WIFI and LAN ports are all part of your Local Area Network - your office network.

Cables in wall from equipment room to offices.

WIFI Connected Computer

Computer

Computer

Computer

Connect the X16ᵉ **WAN** port to an available LAN port on your router.

Router

The router shown has 6 LAN ports.

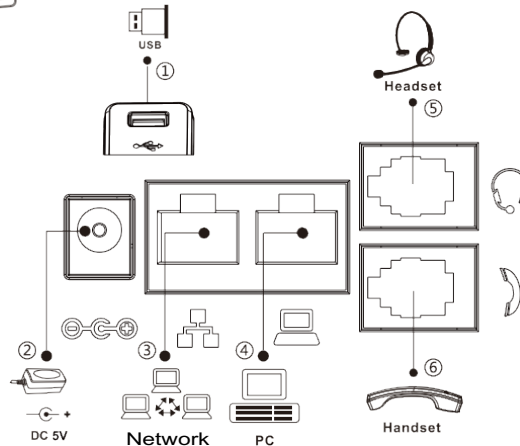X16ᵉ Server

Internet port

LAN ports

X16ᵉ Server

DC 12V

Connect the X16e Server to a reliable power source. Connect to a dedicated outlet so that no other devices trip the circuit breaker and cause interruption of your telephone system operation.
We recommend a battery-backed Uninterruptable Power Supply [UPS]

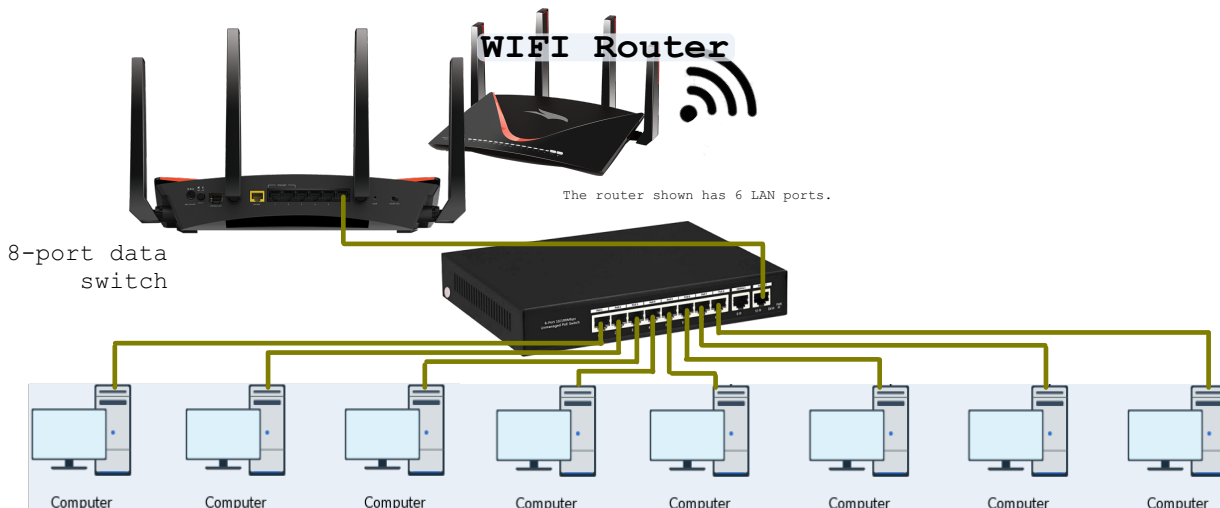# 2. Connect XBLUE IP9g IP Telephones

IP9g

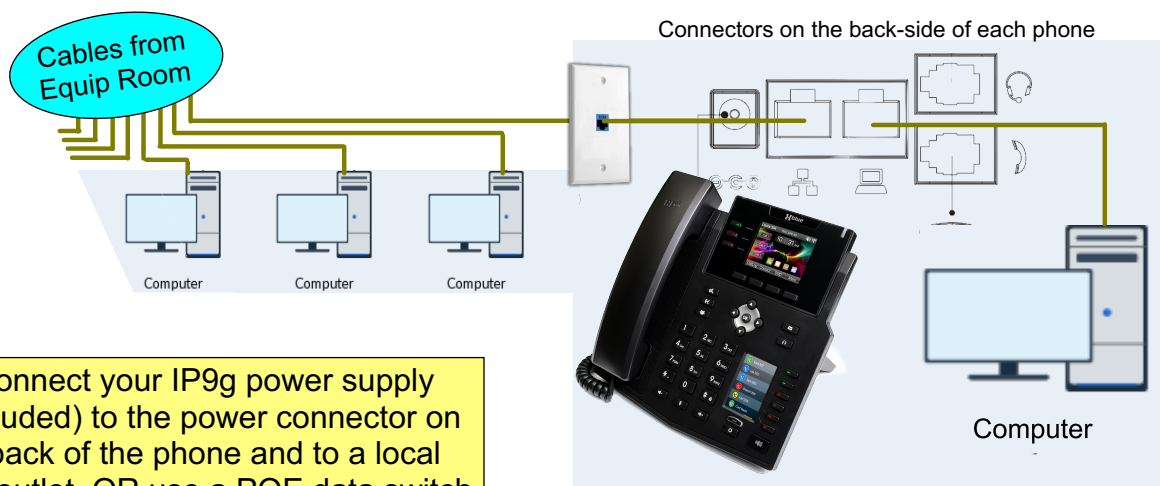

Connectors on the back-side of each phone

The data cables (Category 5 or 6 usually) in walls and ceiling of your office go from the equipment room to each office data jack. The IP9g telephone is equipped with a small data switch that allows you to use the same cable for both your phone and PC.

The diagram below shows a typical network wiring diagram with an 8-port data switch. Data Switches are used to expand the network (providing more LAN connections). The cables in the walls and ceiling are those wires in the diagram going from the router and/or data switch to the various offices.

WIFI Router

The router shown has 6 LAN ports.

8-port data switch

| Computer | Computer | Computer | Computer | Computer | Computer | Computer | Computer |

Connect your telephone to the data cable using the network port 🔌 on the back of the phone. To use the same cable for both the phone and the PC connect your PC to the PC port 💻 on the back of the phone. Both your phone and the PC will then be connected to your LAN.

Cables from Equip Room

Connectors on the back-side of each phone

| Computer | Computer | Computer |

Computer

Connect your IP9g power supply (included) to the power connector on the back of the phone and to a local power outlet. OR use a POE data switch in Equipment Room to power the phone.

Optional:
The shown data switch is a POE or Power Over Ethernet data switch. It allows you to eliminate the power adapter and to use a battery backup UPS for the POE data switch to supply power to the phones in a power outage.

https://xblue.com/product/8-port-poe-switch/

Optional WIFI
Use a WIFI Adapter to place a phone where there is no wire/cable. Using WIFI Adapters on all phones is not recommended since WIFI is not always reliable.
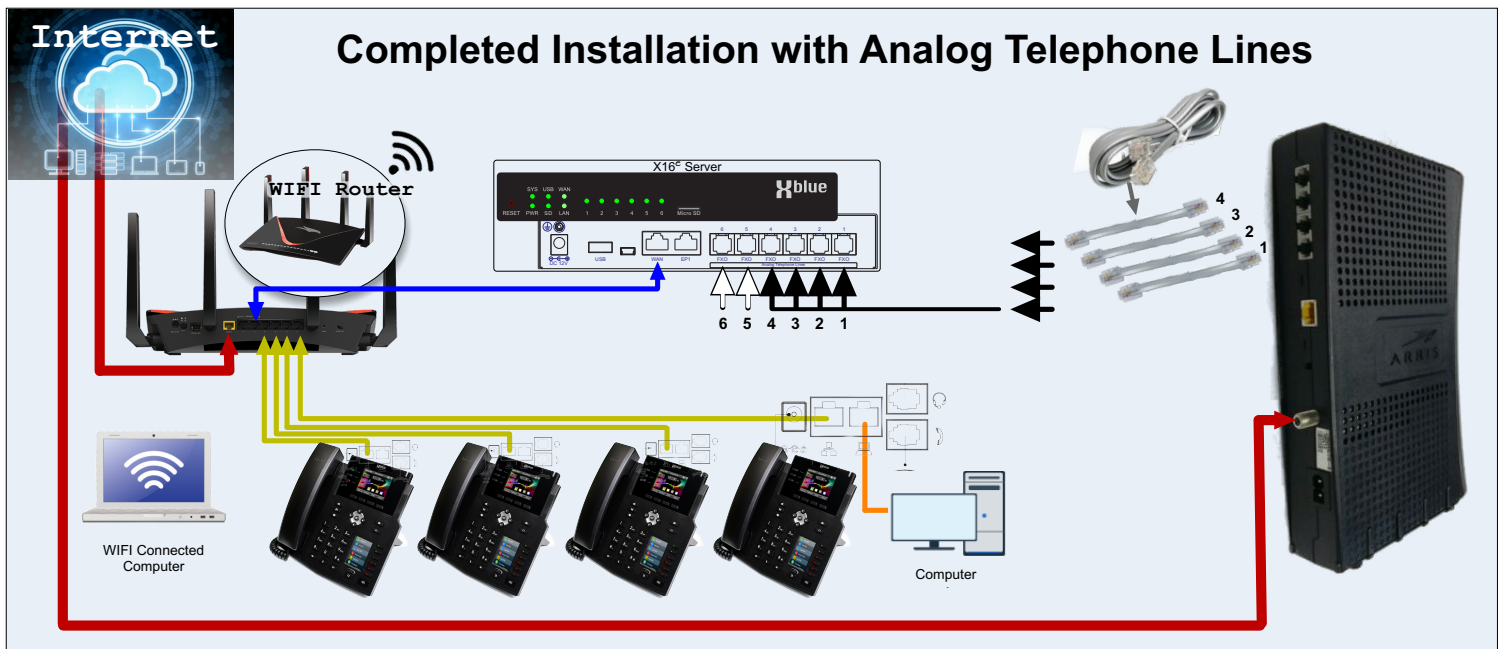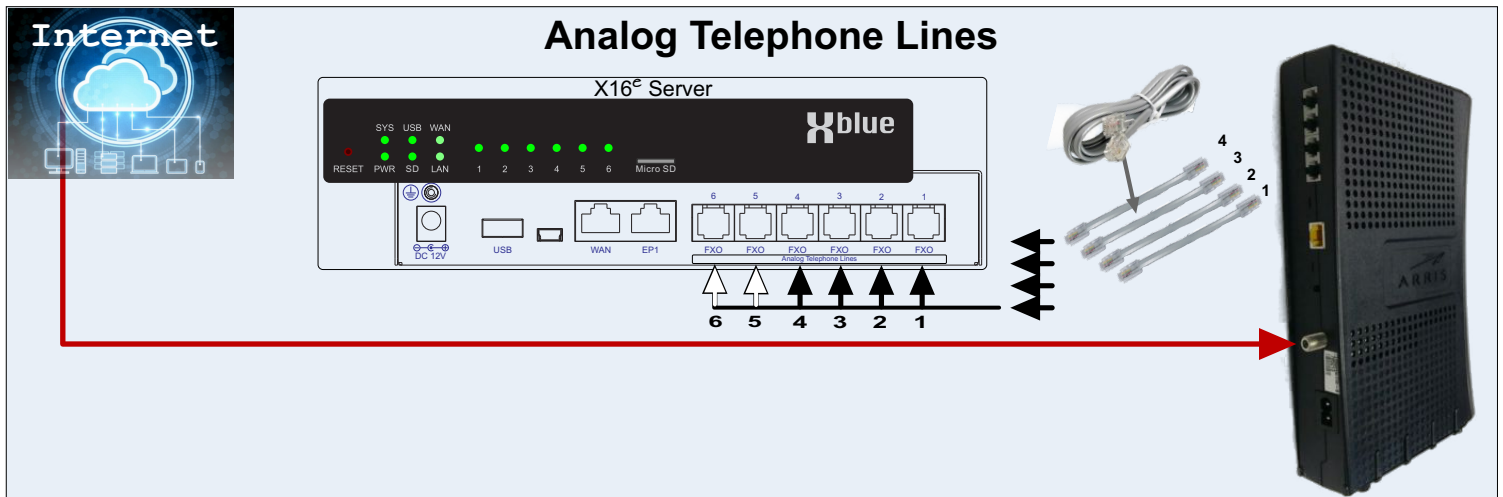https://xblue.com/product/ip9gwifi/

3. Connect telephone lines to the X16e server.

Telephone lines can be delivered to your office in many ways. Telephone poles and an actual wire from the service provider to your office is very rare now but still possible. Today most telephone lines are delivered over the Internet - even when they are called analog telephone lines. If you're using analog telephone lines find the service provider telephone lines modem. A typical modem is pictured below. You may have more than one since most are configured for 4-lines maximum.

Use the telephone lines modular cables that XBLUE provided with your system bundle and connect each line, one by one to the Telephone Line connections on the back of the X16e server.

Analog Telephone Lines

Completed Installation with Analog Telephone Lines

Optional:
XBLUE Telephone Lines service is digital telephone line service and offers advanced features like unique call routing based on the number dialed. XBLUE Telephone Lines service may save you money on your telephone calling as well. See about XBLUE Telephone Lines:

https://xblue.com/product/xblue-telephone-lines/