System Components

X16 Telephone

X16 Server

XB-1698-XB
4-phone connector
(aka 4 Line Splitter)
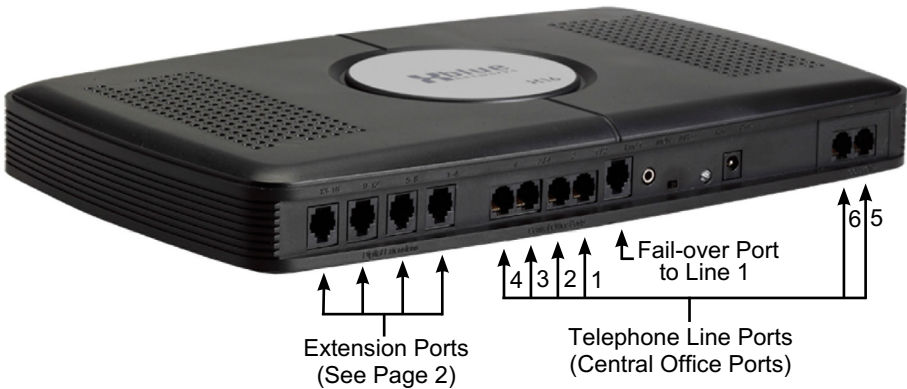
Telephone
Line Cords

X16 Telephone Highlights

Backlit Display

Navigation Keys

Headset Port

Telephone Line Buttons

Programmable Buttons

Speakerphone Button

X16 Server Highlights

The X16 server has four (4) Telephone Company Lines, which are labeled "Central Office" (also labeled as 1/2, 2, 3/4, and 4). By adding a 1630-00 2-Port Expansion Telephone Line Card the system it can be equipped with two additional Telephone Lines, labeled 5 and 6 for a total of six (6) Telephone Company Lines.

Fail-over Port to Line 1

4 3 2 1

6 5

Extension Ports (See Page 2)

Telephone Line Ports (Central Office Ports)

Installation

The X16 system can be placed on a table or mounted on a wall. It should be located close to where the telephone lines come into the building and plugged into a 110 electrical power outlet. Only the X16 system needs to be plugged in, all of the X16 telephones are powered by the system.

Your installation may look something like this:
(See Page 2 for Overview Diagrams)

In this example, The telephone company's telephone lines are connected on the right side and telephone line 1 is looped to all of the extensions, 1, 2, 3 and 4, which are connected on the left side.
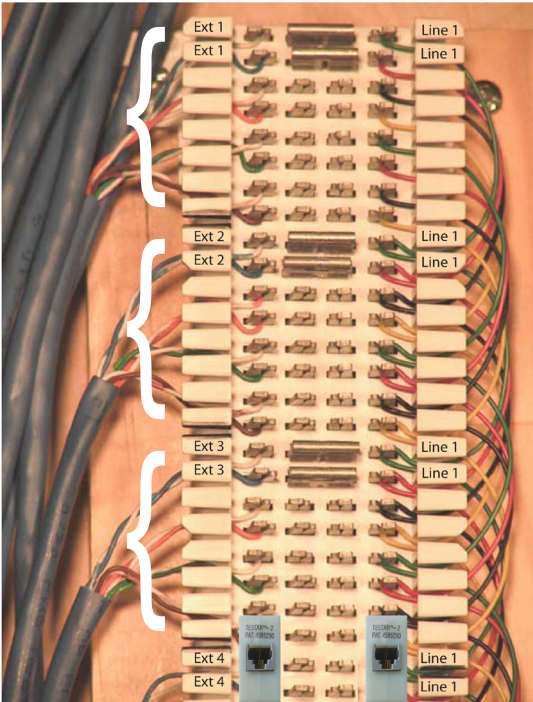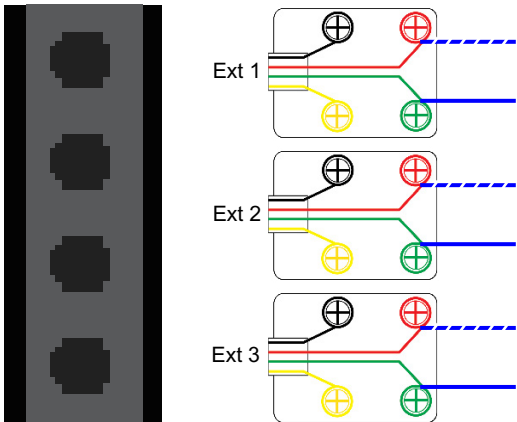
When ordering your telephone lines, it is a good idea to ask for the lines to be delivered on a "Surface Mount Jack" or with existing installations you can use a "Testar_2 Connecter", which will make the installation of the X16 much easier.

Telephone professionals use a standard color code when connecting telephones and telephone lines. The white/blue pair, indicated by "Ext 1, 2, 3 and 4, is normally connected to the office's telephone jack.

One way to reconfigure this type of installation is to remove each of the extension (Ext) cables and connect the white/blue cable to the red wire and the blue/white (or solid blue) cable to the green wire. Another way, is to connect a "Testar_2 Connecter" (see Ext 4), which simply slips over the pins.

Now connect the supplied line cords between the surface mount jack or Testart_2 connecter and the ports in the X16 system. You can connect them directly, 1 to each port, or using the supplied splitter.

Ext 1
Ext 1
Line 1
Line 1

Ext 2
Ext 2
Line 1
Line 1

Ext 3
Ext 3
Line 1
Line 1

Ext 4
Ext 4
Line 1
Line 1

Ext 1

Ext 2

Ext 3

Telephone Line Connections

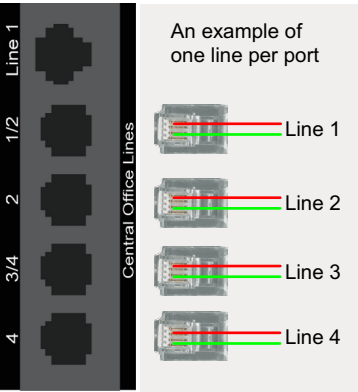| Function	Label on X16
Line 1 Fail over	Line 1
Telephone Line 1	1/2
Telephone Line 2	2
Telephone Line 3	3/4
Telephone Line 4	4
Telephone Line 5	5
Telephone Line 6	6

Telephone lines are usually found on the center Red & Green wires or the White/Blue pair of wires of the telephone company jack.

(Often referred to as an RJ11 jack)

Sometimes a second line will be connected to the outer pair Black & Yellow wires or White/Orange pair of wires of the telephone company jack.

(Often referred to as an RJ14 jack)

We recommend using the center pair (RJ11) method as the second pair sometimes carries errant or transient signals that interfere with system operation. Please ask you local telephone company to deliver your lines in separate RJ11 jacks, using one jack per line.

An example of one line per port

Line 1
Line 1
1/2
2
3/4
4

Central Office Lines

Line 1
Line 2
Line 3
Line 4

Note: The port labeled "Line 1" is not used to connect telephone company lines

The "Line 1" port is designed to give you access to the telephone company line 1, which is plugged into the Central Office Port labeled 1/2. This is useful during a Power Failure or any time you want to access line 1 from a cordless telephone.

Connect 1 line to each of the 4 Telephone Line Ports in the system.

System Power Up

- Plug the system in to power it up. Once powered up, the system's blue LED will blink rapidly, 4 impulses per second (IPS).
- After 5 seconds, it will begin blinking at the normal operational rate of 1 IPS.
- To ensure that the X16 system is initialized properly, switch the "INIT" switch back and forth three times within three seconds.
- When the LED returns to 1 IPS, the system will be fully operational.

Initialization

Plug in the power supply that ships with your system

Connecting Phones

Extension Ports

301   302   303   304

4-Phone Connector

There are (4) ports labeled "Extensions".

Each port supports the connection of up to (4) telephones for a total system capacity of up to (16) X16 telephones.

The 4-Phone Connector is used to breakout each Extension Port into (4) individual telephone connections.
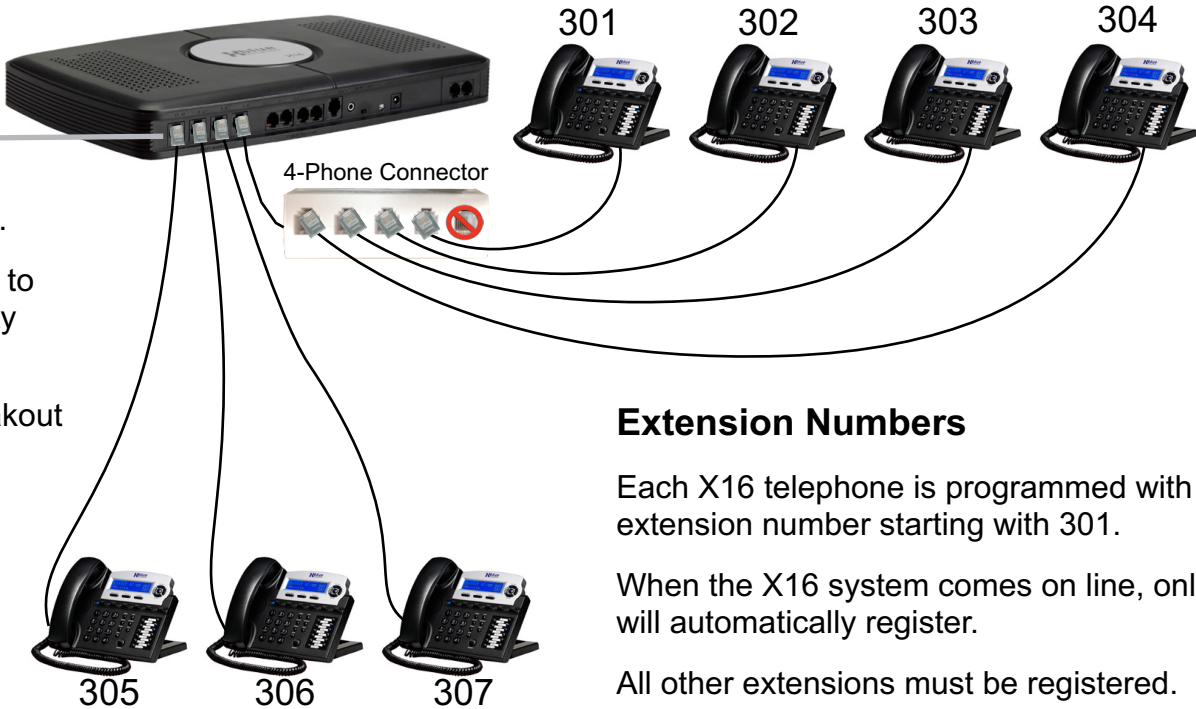
Extension Numbers

Each X16 telephone is programmed with a unique extension number starting with 301.

When the X16 system comes on line, only extension 301 will automatically register.
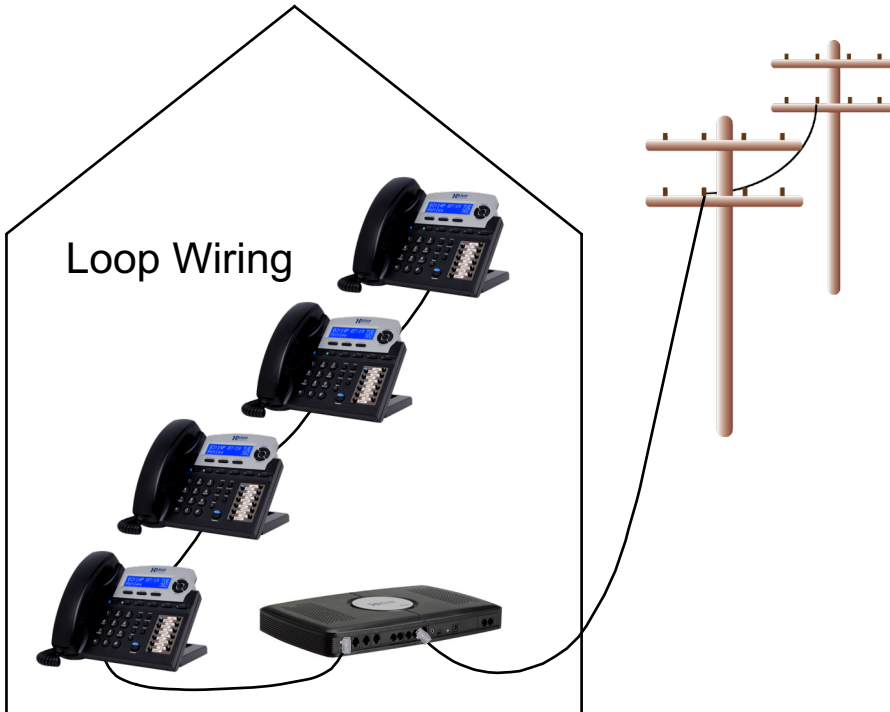
All other extensions must be registered.

305   306   307

The Two Types of Telephone System Wiring Found in Most Office Buildings

Home Run Wiring, also known as star topology can be found in office buildings and some newer homes. In this wiring scheme each of the four (4) X16 telephones are plugged into the supplied "Telephone Connector", which is then connected into one of the ports on the X16 system. Up to four (4) "4-Phone Connectors", each supporting up to four telephones, for a total of sixteen X16 telephones, can be connected to one X16 system. Additional "Telephone Connectors" or 4-line spitters (XB1698-XB) can be purchased separately.

Home Run Wiring

XB-1698-XB
4-Phone Connector
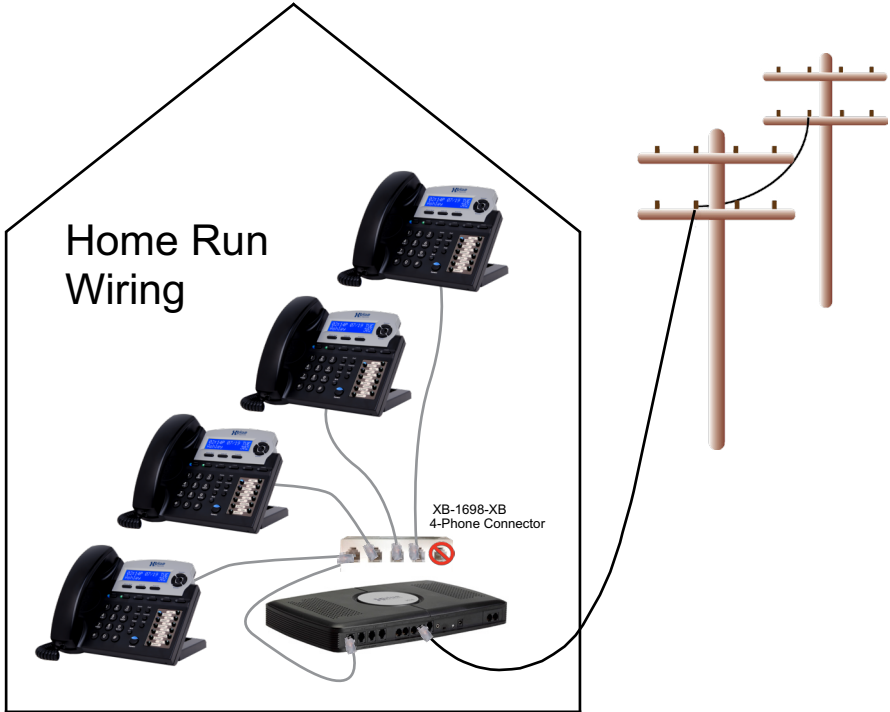
Loop wiring, which is similar to the wiring found in most homes should be sufficient to run this system. However, older homes may need to updated wiring. In this example, up to four (4) telephones can be connected to the same cable.

Loop Wiring

Registering Additional X16 Telephones

All other extensions must be registered using the following programing steps:

1. Press the program button
2. Select Phone Setup
3. Press the center navigation button
4. Press the down navigation button twice to see "Extension No"
5. Press the center navigation button
6. Enter the desired extension number between 302 and 399
7. Press the center navigation button

Each extension must have a unique extension number. Therefore, if the X16 system detects that the entered number is already in use, the display will show "In Use". Please enter a different extension number.

For Proper operation, be sure to reset, by unplugging the system after all X16 telephones are connected.

Set All Phones to Ring on Incoming Calls

At default the Automated Attendant answers all calls. Use the following steps to have the telephones ring first:

1. Press the program button
2. Select System Setup
3. Press the center navigation button
4. Enter the password - the default is # # # #
5. Press the center navigation button
6. Press the up navigation button twice to see "Mail System"
7. Press the center navigation button
8. Press the down navigation button to see "Auto Attend Ring"
9. Press the center navigation button
10. Press the down navigation button to see "All Ext On"
11. Press the center navigation button to save the entry
12. Press the down navigation button to see "AA Answer Delay"
13. Press the center navigation button
14. Use the up navigation button to select how long a call should ring before going to the Auto Attendant, usually 20 to 25 seconds
15. Press the center navigation button to save the entry

Record Greetings
To "Re-record" the system Outgoing Message (OGM)

1. Press the down navigation button to locate "Day Time OGM" and then "Night Time OGM.
2. Press the center navigation button
3. Press the up navigation button to see "Re-record"
4. Press the center navigation button to begin recording
5. Press the center navigation button to stop and review the recording

Register your system at XBLUE.com/registration

An Expert XBLUE Technician is ready to assist! Call 866-925-8312