Syn248®
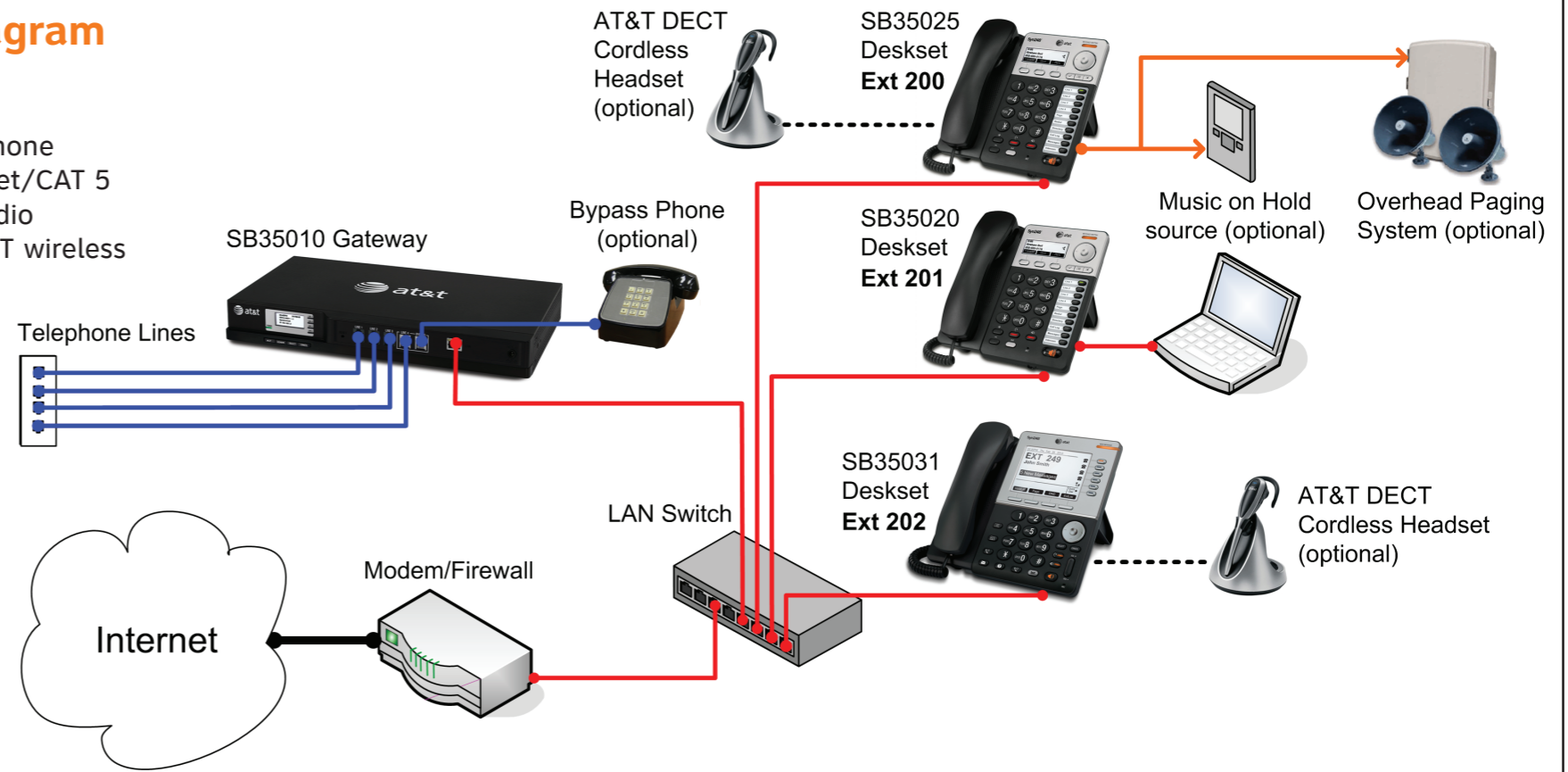
Syn248 System Installation Quick Start Guide

For complete installation information, see the Syn248 Installation and Configuration Guide, available at **smbtelephones.att.com/product-support**.

at&t

System Diagram

Blue lines: Telephone
Red lines: Ethernet/CAT 5
Orange lines: Audio
Dotted lines: DECT wireless

AT&T DECT Cordless Headset (optional)
SB35025 Deskset **Ext 200**
Music on Hold source (optional)
Overhead Paging System (optional)
Bypass Phone (optional)
SB35010 Gateway
SB35020 Deskset **Ext 201**
Telephone Lines
SB35031 Deskset **Ext 202**
AT&T DECT Cordless Headset (optional)
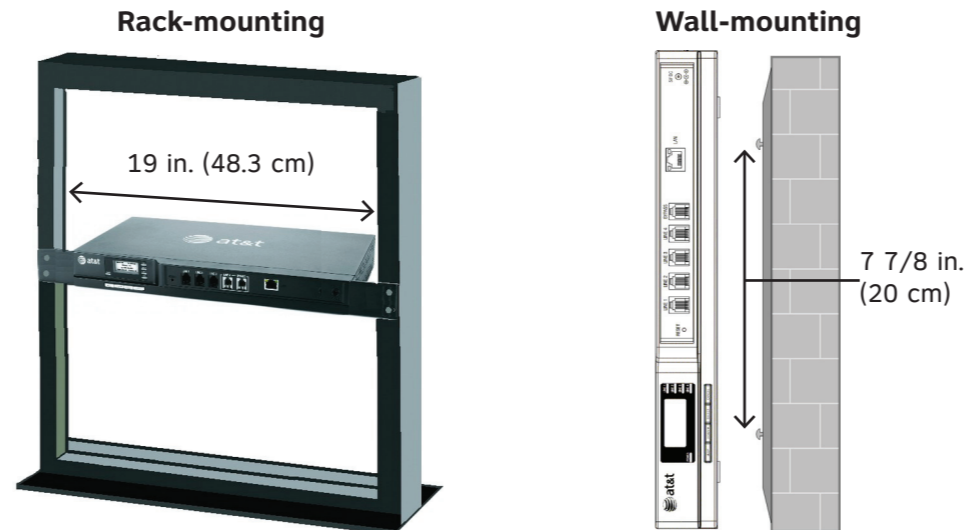LAN Switch
Modem/Firewall
Internet

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① System Components and Tools Required

- **SB35010 Gateway** You can install up to two Gateways to support up to eight telephone lines.

- **SB35020/SB35025/SB35031 Desksets** The system supports up to 24 Desksets. The SB35025 Deskset supports Music on Hold and overhead paging connections, and an AT&T DECT Cordless Headset. The SB35031 Deskset supports an AT&T DECT Cordless Headset.

- **CAT 5 LAN cables** One per Deskset/Gateway is included.

- **Power adapters** for Gateways and Desksets (included). If your Local Area Network (LAN) switch supports Power over Ethernet (PoE), you can power the Desksets through the switch instead of using adapters. Check your LAN switch specifications.

- **LAN switch** If using PoE to power Desksets, the switch ports must provide PoE Class 2.

- **Audio cables** The audio in/out cable included with the SB35025 Deskset enables you to connect a Music on Hold source and an overhead paging system. Additional audio cables are also required.

- An **Internet connection** is recommended to provide accurate system time and enable software updates.

- **Screwdrivers/hardware** for wall-mounting/rack-mounting Syn248 devices. Gateway rack-mounting brackets and screws are included.

② Install the Gateway

You can place the Gateway on a tabletop, mount it into a standard 19-inch metal rack, or wall mount it.

Rack-mounting

19 in. (48.3 cm)

Wall-mounting

7 7/8 in. (20 cm)

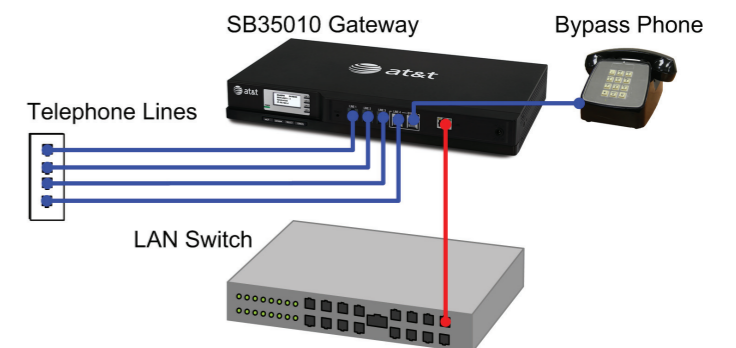## ③ Connect the Telephone Lines to the Gateway

Do not connect power to the Gateway yet.

If your phone company provides you with Centrex service, see the Syn248 Installation and Configuration Guide before proceeding.

Connect telephone lines to the Gateway LINE ports using the supplied cables. Ensure that the lines are configured as you ordered them from your service provider, and that you have decided which lines will be LINE 1, LINE 2, and so on for your Syn248 system.

If you subscribe to Digital Subscriber Line (DSL) high-speed Internet service through your telephone line, plug a DSL filter between each telephone line with DSL service and the telephone wall jack.

Optional: Connect an analog phone to the BYPASS port for use during a power outage. During a power outage, calls on the line connected to Gateway LINE 4 are routed to the BYPASS port.

SB35010 Gateway
Bypass Phone
Telephone Lines
LAN Switch

4 **Connect the Gateway to the LAN and AC Power**

1. Connect a supplied CAT 5 LAN cable from your office LAN to the Gateway LAN port.

2. Plug the AC adapter into an electrical outlet not controlled by a wall switch and the DC plug end into the Gateway DC 5.1V port. Wait up to one minute until the Gateway screen lights up.

The Gateway LINE LEDs will blink for up to 15 seconds while the lines calibrate to the Gateway.

LAN Port **DC 5.1V Port**

5 **Install the Desksets**

You can install the Desksets on a desktop or mount them on the wall.

• Desktop setup requires the Deskset stand, which provides two positions: 45° and 60°. If wall-mounting or using the stand at 60°, slide out, rotate, and replace the handset tab. The rotated tab provides a hook to secure the handset.

• When wall-mounting the Deskset, connect the LAN cable and power adapter first. Do not connect the LAN cable to the LAN switch yet.

• Connect the handset cord. Insert the coiled end into the Deskset handset port (located on the side of the unit) and insert the longer straight section into the handset.

• If not using PoE, plug the AC adapter into an electrical outlet not controlled by a wall switch and the DC plug end into the Deskset DC 5.1V port.

Desktop installation

Handset tab (under handset)

Wall-mounting

Handset cord port (on side)

6 **Connect the first Deskset to the LAN**

Connect a CAT 5 LAN cable from your LAN switch to the Network port on the back of the Deskset.

You can also connect a PC to the PC port on the Deskset so that the Deskset and PC share the same network connection.

It is not recomended to use the PC port for a computer required to run network-intensive applications such as CAD, graphics, etc.

Network port **PC port** **AUX IN/OUT port (SB35025 Deskset) for connecting Music on Hold and/or overhead paging**

7 **System Check**

When the Gateway finds the network and another Syn248 device, the display changes from "Synchronizing" to "Synchronized." The red LINE LEDs should turn off for each line you connected in Step 3. This indicates that the lines have calibrated to the Gateway. You can now make calls on those lines.

```
09:00AM    24-Feb-12
PSTN Lines  1-4
Synchronized
IP: 192.168.1.4
```

If your telephone service provider changes your line configuration or you need to change Gateway LINE port assignments, you must recalibrate the affected lines. To recalibrate, disconnect the affected lines from the Gateway for 15 to 30 seconds, then reconnect them. The LINE LED will flash for approximately 15 seconds, then turn off.

After synchronizing with the Gateway, the first Deskset connected to the LAN displays "EXT 200" on its screen.

```
Tue  Feb 24    9:00AM
            EXT 200
0 New Messages
```

SB35020/SB35025 Deskset

```
9:00PM Tue Feb 24 2013
EXT  200
0 New Messages
                    Quick
                    Dial
HoldList   Page    DND   ExtList
```

SB35031 Deskset

8 **Connect the Remaining Desksets**

Connect the remaining Desksets to the LAN switch. Each Deskset will be assigned an extension number in sequence: 201, 202, and so on. You can change extension numbers and assign user names later.

SB35025 and SB35031 Desksets are also compatible with AT&T DECT Cordless Headsets. After connecting all the Desksets, you can install and register Cordless Headsets. Up to five Desksets can each have a Cordless Headset, although this number can increase depending on your office environment.

If your system includes a SB35025 Deskset, you can connect a Music on Hold source and/or an overhead paging system using the supplied audio in/out cable. This will provide Music on Hold and overhead paging capability for the entire Syn248 system.

NOTE: To enable Music on Hold and overhead paging, you must configure the system using the Syn248 WebUI. You can access the WebUI using a computer connected to the Syn248 network. Any computer connected to a Deskset PC port can access the WebUI.
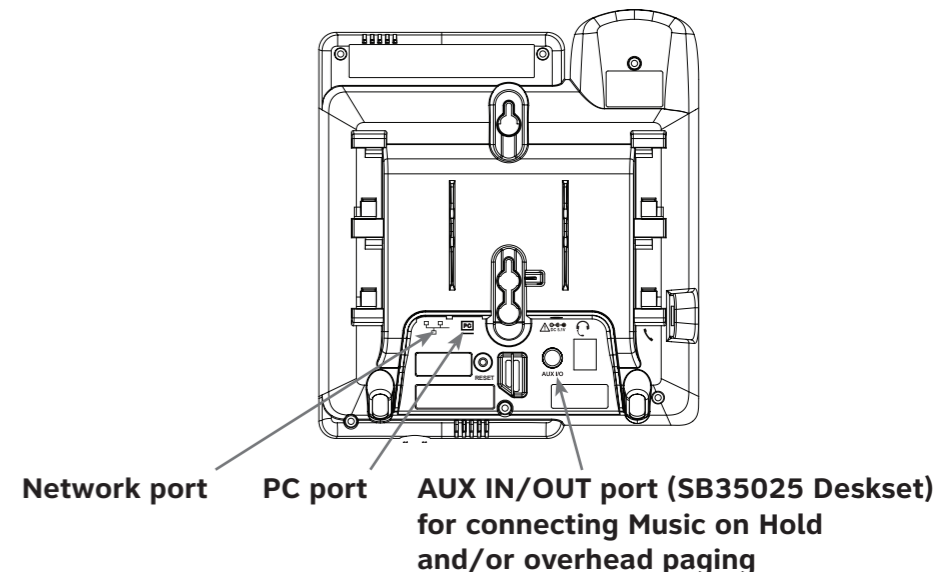
For more details and complete system configuration information, see the Syn248 Installation and Configuration Guide, available from **smbtelephones.att.com/product-support**.

For customer service or product information, visit our web site at **smbtelephones.att.com** or call **1 (888) 386-2006**. In Canada, call **1 (888) 469-2005**.