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digium®

IP Phone Setup Guide

CONNECTING TO SWITCHVOX

After the phone receives power, it will initialize and load the phone application. When it finds Switchvox, the phone waits 5 seconds, then automatically connects to Switchvox.

If the phone's MAC address has already been assigned to an existing Switchvox extension, you will not need to do anything.

Once the phone has an extension and a configuration file, you will be ready to make calls!

Test the phone: Dial 800, and you should hear a recorded voice say "Congratulations, Switchvox has been configured properly."

Assigning an Extension

If the phone is not already assigned to a Switchvox extension, you can choose an extension:

1. Enter your Switchvox's Phone Assignment Code.

   This Code is found in the Switchvox Admin Suite:
   Setup > Digium Phones > Phone Assignment Options

2. Choose an existing extension. Use the numeric keypad to enter the number, first name, or last name of the extension.

Network Issues

By default, the phone uses DHCP and LLDP to obtain the correct network information. To make changes, press the **Settings** softkey, then select **Network Settings**, or **VLAN Settings**.

If the phone obtains correct network information but cannot find a PBX at all, you can manually direct the phone to your Switchvox.

1. Press the **Settings** softkey.
2. Select **Digium Configuration Server**.
3. Enter the IP address or hostname of your Switchvox, and a port number *(most likely 5060)*.

CONNECTING TO ASTERISK

To set up your Digium phone with the Digium Phone module for Asterisk (DPMA), refer to the DPMA documentation available at www.digium.com.

Your Digium phone may also be used in standalone mode without DPMA.

*NOTE: So the phone can register with Asterisk to send and receive calls, make sure every SIP entity has an entry in its SIP configuration file (sip.conf). So the **Msgs** button on the phone can function correctly, make sure each device that accesses the Voicemail application has an entry in the Voicemail configuration file (voicemail.conf). To apply changes made to the Asterisk configuration, reload Asterisk by executing the following command from the Linux CLI: asterisk –rx "core reload"*

Open a web browser to the phone's IP address, which is displayed during the boot process, and do the following:

1. Enter the default username **admin** and the default password **789**.
2. After the admin module is opened, browse to the Lines tab, then the settings for Line 1.
3. Configure the **Msgs** button to **Dial Voicemail** and enter the voicemail extension for your Asterisk system.
4. In the **General section**, set the phone's sip.conf identity (e.g., 1001) as the **User ID**.
5. Assign a **Line Label, Caller ID Name** and **Digitmap** of your choosing.
6. Select "Yes" for the **Register** option.
7. Input the "secret" from your sip.conf identity into the Password.
8. In the **Host section**, enter the Asterisk **IP Address or Hostname**, the **SIP port** (defaults to 5060) and the **Transport type** (defaults to UDP).
9. Click the **Submit Phone Settings** button. The Phone configures itself, and you can start making calls.

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Digium IP Phone Quick Setup Guide

Documentation

More documentation on setting up and using your Digium phone is available on **www.digium.com**.

EULA

By installing and configuring this Digium phone you are agreeing to the terms and conditions of the End-User License Agreement for Digium Phone Software and the Digium Phone (EULA). This license is available for review on **www.digium.com**.

Warranty

The warranty terms for the Digium phone are available for review on **www.digium.com**.

Digium IP Phone Quick Setup Guide

You are about to join Switchvox or Asterisk with a Digium phone!

The Digium Phone is specifically designed to work with Switchvox, the leading VoIP PBX system and Asterisk, the leading telephony toolkit. Follow the steps in this quick guide to assemble and configure your Digium phone. Then you will have access to the powerful features that make a Digium phone and Switchvox or Asterisk a match made in heaven for business communications.

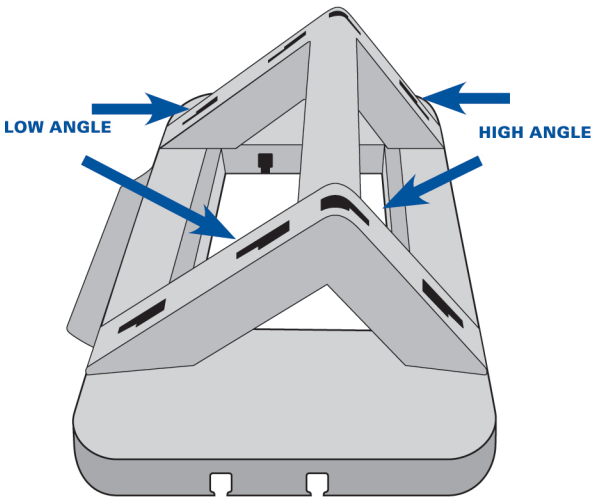
NOTE: You must have a phone extension on your Switchvox or Asterisk server to complete the configuration. If your Switchvox extension has not been set up, contact your phone system administrator or use the Switchvox Admin Suite (Setup > Extensions > Manage) to add it. If your Asterisk extension has not been setup, contact your Asterisk administrator or refer to the Digium Phone module for Asterisk documentation.

WHAT'S IN THE BOX

- Phone set (handset, body, and coiled handset cord)
- Phone desk base
- Phone power cord (optional)
- Ethernet (LAN) cable
- Quick setup guide & registration information

PUTTING THE BASE TOGETHER

1. Take everything out of the box.
2. Place the phone on its face and match the phone's mounting hooks to the holes in the desk base (see diagram). You can use either a low or high angle for the phone as indicated on the base. Be sure the phone is "locked" securely to the base.



WHAT'S ON THE PHONE

LCD that displays system messages and a variety of options selectable via four **softkeys**

Line keys that display green when an extension is in use and red when they are on hold. The number of line keys depends on the phone model

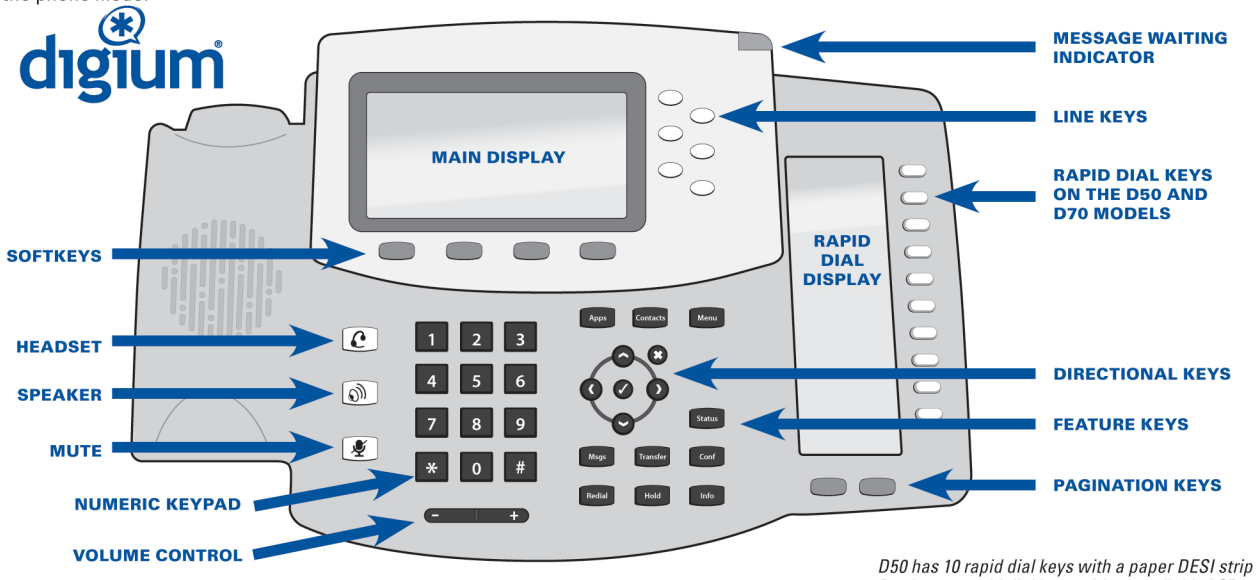
Message Waiting Indicator that blinks red when there are unlistened to messages

Headset, Speaker, and Mute keys that display red when in use

Volume control bar with plus (+) and minus (-) signs to adjust volume for handset, headset, and speaker

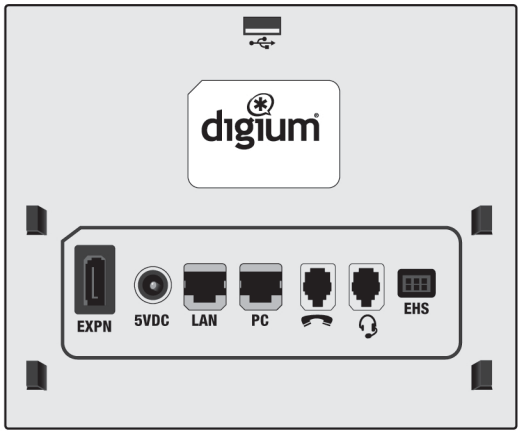
Directional keys

Feature keys for Msgs, Transfers, Redial, Hold, etc., depending on phone model



D70 Model Shown

D50 has 10 rapid dial keys with a paper DESI strip
D70 has 10 rapid dial keys with a scrollable LCD

CONNECTING THE CABLES

1. Insert the short straight end of the coiled cord into the handset to connect the handset and the phone.
2. If you are not using Power over Ethernet (PoE), insert a Digium Phone power cord into the 5VDC port, running the cord into one of the grooves on the left side of the bottom of the base.
3. Insert one end of the Ethernet cable into the LAN port, running the cable into one of the grooves on the bottom of the base.
4. Insert the long straight end of the handset cord into the port with the phone icon, running the cord into the groove on the bottom of the base.
5. Turn the phone right side up on the desk where it will be used, then insert the LAN cable into a port on a network source such as an internet router or wall connection.
6. If you are not using PoE, then plug the power cord into a grounded electrical outlet.
7. As soon as there is power, the phone's LCD will display the Digium logo and indicate that it is initializing, loading necessary information, and starting the phone application.