Polycom Documentation

Polycom VVX D60 Wireless Handset and Base Station

The Polycom® D60 Wireless Handset provides busy users with the superior voice quality and features of a VVX business media phone that they can use to manage calls when they are away from their desk.

You can pair one base station and register up to five wireless handsets to the VVX 300 series, 400 series, 500 series, and 600 series phones.

Features Supported on VVX D60 Wireless Handsets

The following table includes common features that are and are not supported on VVX D60 wireless handsets.

Feature	Supported
Busy Lamp Field (BLF)	Yes (on paired VVX)
Hunt Groups	Yes (on paired VVX)
Local Conference Calling	Yes
Push-to-Talk	No
Shared Line Appearance/Shared Call Appearances	Yes (BroadSoft only)
Simultaneous Calls (G.729 Encode/Decode)	Yes (maximum 4 active calls)
Skype for Business Line Registration	No

Feature	Supported
USB Call Media Recording (CMR)	No
VVX Camera	Yes
VVX Expansion Module	Yes
Flexible Line Keys (FLK)	Yes (on paired VVX)
Automatic Call Distribution (ACD) / Hoteling	No
CDP support on VVX D60 base station	Yes
Call HandOff Between VVX D60 Handsets and VVX Business Media Phones on twinned lines	Yes
Configure maximum number of handsets	Yes
Pairing using Mac address of VVX D60	Yes

The VVX D60 base station can access Voice VLAN through Link-Layer Discovery Protocol (LLDP) and Cisco Discovery Protocol (CDP). The VVX D60 base station supports CDP and is enabled by default on the VVX D60 base station.

Note	After connecting the D60 base station to a LAN port, allow the base station at least one minute to connect to the voice VLAN network and to acquire an IP address. Wait at least one minute after connecting the base station to a LAN port before pairing the base station with a VVX business media phone.

Related Topics

Polycom VVX D60 Wireless Handset and Base Station

Pairing a VVX Phone with a VVX D60 Base Station

You can pair the VVX D60 base station and register the wireless handset to a VVX business media phone using the local phone interface, the Web Configuration Utility, or through the provisioning server.

You can use the following methods to pair the base station with a VVX business media phone:

- PC Port pairing
- Automatic pairing
- Manual pairing
- MAC address pairing

Related Topics

Polycom VVX D60 Wireless Handset and Base Station

Update the Wireless Handset Software Manually

Wireless Handset Software Upgrade Issues

Limitations to MAC Address Pairing

The limitations for pairing of VVX business media phones and the VVX D60 base station through MAC address are as follows:

- User actions are given higher precedence. Consider the user unpairs the VVX D60 base station that is paired to the VVX business media phone using the configuration file and then the user pairs manually through automatic pairing or PC port pairing. In this case, if the VVX business media phone restarts due to a power outage or software update, then the VVX business media phone re-pairs with the VVX base station which is paired using the non-MAC based pairing mode.
- If the user unpairs the VVX D60 base station, then the base station does not pair automatically with the VVX business media phone.
- If the device is currently paired and the current pairing mode is other than through the MAC address, the VVX business media phone logs a warning provided the configuration parameter VVXD60.base.mac is set.
- The configuration parameter VVXD60.base.mac is applied only if `feature.dect.enabled` is enabled.

Related Topics

Pairing a VVX Phone with a VVX D60 Base Station

Obtain the Base Station IP Address

If you use Manual Pairing to pair the base station with the VVX business media phone, you need to use your computer to get the IP address of the base station.

You can use either the Static or DHCP IP address to pair the base station with the phone.

Procedure

1 Connect the Ethernet cable from the PC port on the base station to an Ethernet port on a computer.

2 On the computer, navigate to **Network and Sharing Center**, then select **Local Area Connection**.

3 Click Properties, select **Internet Protocol Version 4 (TCP/IPv4)**, then click **Properties**.

4 Select **Use the following IP address**, then enter the following values into the associated fields:

- IP Address: 192.168.0.10

- Subnet mask: 255.255.255.0

- Default Gateway: 192.168.0.1

5 Click **OK**.

6 In a web browser, enter https://192.168.0.2.

7 In the Web Configuration Utility, enter the following default credentials:

- User name: `Polycom`

- Password: `456`

8 Navigate to **Settings** > **Network Settings**.

The IP address of the base station displays in the IP Settings tab.

Related Topics

Pairing a VVX Phone with a VVX D60 Base Station

Pairing the Base Station using the Web Configuration Utility

You can pair the VVX D60 base station using the Web Configuration Utility in the following methods:

- PC Port pairing
- Automatic pairing
- Manual pairing
- MAC address pairing

By default, users are not allowed to pair or unpair a VVX D60 base station with a VVX business media phone. Administrators can control whether users are allowed to pair a base station only, unpair a base station only, or pair and unpair a base station with a VVX business media phone. You can use the parameter `VVXD60.allowPairing` to configure this feature.

Related Topics

Pairing a VVX Phone with a VVX D60 Base Station

Pair using PC Port Pairing

When the Ethernet cable is connected to the LAN port on the VVX D60 base station and the PC port on a VVX phone, the phone initiates SSH tunneling and pairs with the base station automatically.

Procedure

1 Sign into the Web Configuration Utility, and navigate to **Settings** > **VVX D60 Settings**.
2 Click the **VVX D60 Profile** check box and select **PC Port** in the **Pairing Mode** drop-down menu.

Related Topics

Pairing the Base Station using the Web Configuration Utility

Pair using Automatic Pairing

When you connect the Ethernet cable from the base station LAN port into a LAN outlet, the phone pairs with the base station automatically.

All base stations on the network are displayed automatically in the VVX Web Configuration Utility as long as the devices are on the same subnetwork and VLAN.

Procedure

1 Sign into the Web Configuration Utility, and navigate to **Settings** > **VVX D60 Settings**.
2 Click the **VVX D60 Profile** check box and select **Automatic** in the **Pairing Mode** drop-down menu.

  A list of discovered base stations and wireless handsets display.
3 Select a base station and click **Pair**.

Related Topics

Pairing the Base Station using the Web Configuration Utility

Pair using Manual Pairing

When the Ethernet cable is connected from the base station LAN port to the VVX phone's PC port or when the Ethernet cable is connected from the base station LAN port into a LAN outlet, you can manually enter the base station IP address to pair with a VVX business media phone.

Manual pairing enables you to pair the base station with the phone without the base station being on the same subnetwork or VLAN as the VVX phone.

Note	When the VVX D60 base station is connected to a subnet that is different than that of the VVX business media phone, Polycom recommends that you either configure the IP address of the VVX D60 base station statically or via static DHCP. This will help to minimize pairing issues if the IP address of the VVX D60 base station changes.

Procedure

1 Sign into the Web Configuration Utility, and navigate to **Settings** > **VVX D60 Settings**.
2 Click the **VVX D60 Profile** check box and select **Manual** in the **Pairing Mode** drop-down menu.
3 Enter the IP address of the base station.

   The base station's information displays.

Related Topics

Pairing the Base Station using the Web Configuration Utility

Pair using MAC Address Pairing

When the Ethernet cable is connected from the base station LAN port into a LAN outlet or an outlet with external power supply of the VVX D60 base station, you can manually select to pair using the MAC address.

Procedure

1 Sign into the Web Configuration Utility, and navigate to **Settings** > **VVX D60 Settings**.
2 Click the **VVX D60 Profile** check box and select **MAC Address** in the **Pairing Mode** drop-down menu.
3 Enter the base station MAC Address.
4 Click **Pair**.

Related Topics

Pairing the Base Station using the Web Configuration Utility

Pairing the Base Station using the Local Phone Interface

You can pair the VVX D60 base station using the local phone interface in the following methods:

- PC Port pairing
- Automatic pairing
- Manual pairing
- MAC address pairing

Related Topics

Pairing a VVX Phone with a VVX D60 Base Station

Pair using PC Port Pairing

When the Ethernet cable is connected from the base station LAN port to the PC port on the VVX phone, the phone pairs with the base station automatically.

Procedure

1 On the phone, navigate to **Settings** > **Advanced**, and enter the password.
2 Select Administration **Settings** > **VVX D60 Configuration**.
3 Select **VVX D60 Profile**, then select **Enable**.
4 On the **VVX D60 Configuration** screen, select **Base Station**, then select **PC Port Pairing**.

Related Topics

Pairing the Base Station using the Local Phone Interface

Pair using Automatic Pairing

When the Ethernet cable is connected from the base station LAN port into a LAN outlet, the phone pairs with the base station automatically.

All base stations on the network are displayed automatically on the VVX phone as long as the devices are on the same subnetwork or VLAN.

Procedure

1 On the phone, navigate to **Settings** > **Advanced**, and enter the password.
2 Select **Administration Settings** > **VVX D60 Configuration**.
3 Select **VVX D60 Profile**, then select **Enable**.
4 On the **VVX D60 Configuration** screen, select **Base Station**, then select **Auto Pairing**.

Related Topics

Pairing the Base Station using the Local Phone Interface

Pair using Manual Pairing

When the Ethernet cable is connected from the base station LAN port to the VVX PC port or when the Ethernet cable is connected from the base station LAN port into a LAN outlet, you can manually enter the base station IP address to pair with a VVX phone.

Manual pairing enables you to pair the base station with the phone without the base station being on the same subnetwork or VLAN as the VVX phone.

Procedure

1 On the phone, navigate to **Settings** > **Advanced**, and enter the password.

2 Select **Administration Settings** > **VVX D60 Configuration**.

3 Select **VVX D60 Profile**, then select **Enable** and go to the previous menu

4 On the **VVX D60 Configuration** screen, select **Base Station**, then select **Manual Pairing**.

5 Enter the IP address of the base station, then select **Pair**.

The base station's information displays.

Related Topics

Pairing the Base Station using the Local Phone Interface

Pair using MAC Address Pairing

When the Ethernet cable is connected from the base station LAN port into a LAN outlet, you can manually select to pair using the MAC address.

If the phone is already configured with a MAC address using configuration parameter, you can choose **Skip**.

Procedure

1 On the phone, navigate to **Settings** > **Advanced**, and enter the password.

2 Select **Administration Settings** > **VVX D60 Configuration**.

3 On the **VVX D60 Configuration** screen, do one of the following:

- Select **Skip** to manually pair with a different base station.

- Select **Continue** to pair with the configured MAC address.If you select neither Skip nor Continue, a timer is displayed and the VVX business media phone pairs with the configured MAC address.

4 On the **Manual Pairing** screen, select **Base Station MAC ID**.

5 Edit the configured base station MAC ID with the new address.

The configuration parameter for the VVX business media phone gets updated with the new MAC address.

Related Topics

Unpairing the Base Station for MAC Address-Based Pairing

You can unpair the VVX D60 base station by removing the corresponding MAC address in the configuration parameter VVXD60.

base.mac. If the MAC address configured in the parameter VVXD60.base.mac is modified, the VVX business media phone unpairs the existing VVX D60 base station and tries to pair with VVX D60 base station with the modified MAC address.

Related Topics

Continuous Attempt to Re-pair with a VVX D60 Base Station

If the VVX phone unpairs from a previously paired VVX D60 base station for any reason, such as a power outage, the phone will continuously attempt to pair with the base station again until the phone and base station are successfully paired.

This is achieved with the following mechanisms:

- A unicast re-pairing beacon packet is sent to the last known IP address of the VVX D60 base station.
- Three seconds later, a broadcast re-pairing beacon packet is sent to the broadcast address. This is used in case the IP address of the VVX D60 base station has changed.
- The VVX phone waits for a random time interval, between 30 and 60 seconds before resending the unicast and broadcast re-pairing beacon packets.

If the VVX D60 base station and the VVX phone are in the same subnet, the VVX phone tries to send the unicast re-pairing beacon packet three times; after the third attempt, only the broadcast re-pairing beacon packet is tried indefinitely. If the VVX D60 base station and VVX phone are in different subnets, the VVX phone tries to send resend the unicast and broadcast re-pairing beacon packets.

If a user no longer wants the base station to pair with the phone, the user must contact a system administrator to cancel the pairing attempt.

After powering on, the VVX D60 base station may take up to 60 seconds to re-pair with the VVX phone.

Related Topics

Registering Handsets for VVX D60 Base Station

You can control the number of handsets that can be registered to the VVX D60 base station.

A minimum of one and a maximum of five handsets can be configured for a VVX D60 base station. This is configurable from the VVX phone and Web Configuration Utility. Upon pairing, the VVX phone makes sure that maximum handsets registered to the paired VVX D60 base station is lesser or equal to the configured value. After reaching the maximum limit of handsets, the VVX D60 base station and the VVX phone do not provide any mechanism to register a new handset. The administrator can use the parameter `VVXD60.handset.maxCount` to configure this feature.

If the VVX D60 base station is registered with more handsets than the configured number of handsets, then the handsets will be deleted in the following order:

- Blocked
- Unavailable
- Available (the last handset that was registered among the available handsets)

Related Topics

Polycom VVX D60 Wireless Handset and Base Station

Maximum Number of Handsets

You can use the Web Configuration Utility or local phone interface to configure the maximum number of handsets that can be registered to the VVX D60 base station.

Related Topics

Registering Handsets for VVX D60 Base Station

Set the Maximum Number of Registered Handsets using the Web Configuration Utility

You can configure the number of VVX D60 handsets that can be configured for a VVX base station using the Web Configuration Utility.

Procedure

1 On the Web Configuration Utility, login as the administrator and navigate to **Settings** > **VVX D60 Settings**.

2 In the **Max Configurable Handsets** page displayed, enter the number of headsets to be registered to the VVX D60 base station.

Related Topics

Maximum Number of Handsets

Set the Maximum Number of Registered Handsets using the Local Phone Interface

You can configure the number of VVX D60 handsets that can be configured for a VVX base station using the VVX phone interface.

Procedure

1 On the VVX phone, navigate to **Settings** > **Advanced Settings** > **Administration Settings** > **VVX D60 Settings** > **Handset Configuration**.
2 In the **Max Configurable Handsets** page displayed, enter the number of headsets to be registered to the VVX D60 base station.

Related Topics

Maximum Number of Handsets

Register a VVX D60 Wireless Handset

After the base station is paired with the VVX phone, you can register up to five wireless handsets to the base station.

Procedure

1 On the wireless handset, navigate to Settings > Features > Registration.
2 Select Register.
3 Press and hold the **Find** button on the base station for a few seconds.
4 On the wireless handset, confirm the registration with the base station.

Related Topics

Registering Handsets for VVX D60 Base Station

Unregister a VVX D60 Wireless Handset

You can unregister a wireless handset from the base station when you need to replace a wireless handset with another one.

Procedure

1 On the wireless handset, navigate to Settings > Features > Registration.
2 Select Deregister.
3 Confirm you want to unregister the wireless handset.

Related Topics

Registering Handsets for VVX D60 Base Station

Set a Unique Name for the Base Station and Wireless Handset

In the Web Configuration Utility, you can set a unique name for each base station and wireless handset to distinguish between multiple sets of base stations and wireless handsets.

You can also set a unique name for the base station and wireless handsets from the local phone interface.

Note that the Intercom feature must be enabled to change the name of a wireless handset. You cannot set a unique name for a wireless handset if the Intercom feature is disabled.

Procedure

1 In the Web Configuration Utility, navigate to **Settings** > **VVX D60 Settings**.
2 Under base station Settings, enter a unique name in the Name field.
3 Under Handset Settings, enter a unique name in the Display Name field for each registered handset.

Related Topics

Polycom VVX D60 Wireless Handset and Base Station

Assigning Lines to the VVX D60 Wireless Handset

After you have paired the base station to a VVX phone and registered wireless handsets to the base station, you can assign lines to each wireless handset.

You can assign up to five lines to each wireless handset.

When assigning lines, keep the following in mind:

- The first line is assigned to the VVX phone.

- For Private Lines, you can assign each line to the VVX phone or the Wireless Handset or both.
- For Shared lines (SCA/SLA), you can assign each line only to one device: VVX phone or Wireless Handset.

Related Topics

Polycom VVX D60 Wireless Handset and Base Station

Assign Lines using the Web Configuration Utility

You can assign lines to the wireless handset using the Web Configuration Utility.

Procedure

1 In the Web Configuration Utility, navigate to **Settings** > **VVX D60** Settings.
2 In the **Handset Settings** section, click **Map Lines**.
3 Choose the lines you want to map to a registered wireless handset.
4 Click **Update**.

Related Topics

Assigning Lines to the VVX D60 Wireless Handset

Assign Lines using the Phone Interface

You can assign lines to the wireless handset from the Advanced settings menu on the VVX phone.

Procedure

1 On the phone, navigate to **Settings** > **Advanced**, then enter your password.
2 Select **Administration Settings** > **VVX D60 Configuration** > **Map Lines**.
3 Choose a line, then choose a registered wireless handset for the line.

Related Topics

Assigning Lines to the VVX D60 Wireless Handset

Update the VVX D60 Wireless Handset Software

When you update the VVX host phone with the latest supported software version using the master configuration file that includes the file path to the dect.

ld, the software on the base station and wireless handsets update automatically within two minutes after they are paired and registered with the VVX phone. The base station updates first, then each wireless handset is updated sequentially with the first registered handset updating first, followed by each remaining handset.

Procedure

    1 Place the handset in the base station or charging cradle, and ensure the handset battery is charged to at least 50%.

    2 When prompted, accept the update notification.

       If you do not accept the update notification, the wireless handset will begin the update 20 seconds after the notification displays.

Related Topics

Polycom VVX D60 Wireless Handset and Base Station

Update the Wireless Handset Software Manually

If the software update notification does not display on the wireless handset within five minutes of registering the wireless handset, you can check for configuration updates and manually update the software from the VVX host phone.

Procedure

    1 Place the handset in the base station or charging cradle, and ensure the handset battery is charged to at least 50%.

    2 On the VVX host phone, navigate to **Settings** > **Basic** > **Update Configuration**.

       If there is a software update available, the wireless handsets update sequentially with the first registered handset updating first.

Related Topics

Polycom VVX D60 Wireless Handset and Base Station

Pairing a VVX Phone with a VVX D60 Base Station

Configure VVX D60 Network Settings

By default, you can edit network settings for the VVX D60 base station.

You can use the Web Configuration Utility to make changes to the base station's network settings.

Procedure

1 In a web browser, enter `https://<IP address of D60 base station>`

2 In the Web Configuration Utility, enter the following default credentials:

   - User name: `Polycom`

   - Password: `456`

3 Navigate to **Settings** > **Network Settings**.

4 Update the desired network settings - IP settings, LLDP, CDP, VLAN, QOS, SNTP address and DNS.

5 Click **Submit.**

Related Topics

Polycom VVX D60 Wireless Handset and Base Station

Parameters for VVX D60 Wireless Handsets

The following table lists the configuration parameters you need to configure the VVX D60 feature.

Table 1. Configuring the VVX D60 Accessories

Template	Parameter Template	Permitted Values	Change Causes Restart or Reboot
`features.cfg, dect.cfg`	`feature.dect. enabled`	0 (default) - Disables communication and pairing with the VVX D60 Wireless Handset and Base Station accessories. The VVX D60 menu options do not display. 1 - Enables communication and pairing with the VVX D60 Wireless Handset and	No

Template	Parameter Template	Permitted Values	Change Causes Restart or Reboot
		Base Station accessories. The VVX D60 menu options display on the phone and in the Web Configuration Utility.	
dect.cfg	VVXD60.base.mac	Specifies the VVX D60 Base Station MAC address from the provisioning server. NULL (default) string (maximum 12 alphanumeric characters)	No
dect.cfg	VVXD60.Handset.X.outGoingLineIndex	Controls the registration index that is used as the default line for outgoing calls placed on the wireless handset without selecting a line first. X refers to the wireless handset where X can be 1-5. 1 (default) 1 - 34	No
dect.cfg	VVXD60.Handset.X.line.Y	Sets the lines that will be accessible from the wireless handset where X is the wireless handset (1-5) and Y is the registered line on the VVX phone that will be mapped to the wireless handset. You can map up to five lines to a wireless handset. 0 (default)	No

Template	Parameter Template	Permitted Values	Change Causes Restart or Reboot
		0 to 34	
reg-advanced.cfg	reg.x.terminationType	Determines the type of termination that is used for the line where the line can be managed automatically on the VVX, the wireless handset, or on both. X = each registration index. NULL (default) VVX, DECT, or VVX-DECT	No
techsupport.cfg, dect.cfg	log.level.change.dect	Sets the logging detail level for the VVX D60 accessory. 4 (default) 0 - 6	No
features.cfg	feature.VVXD60.allowLineMappings	0 (default) - The Map Lines menu is available only as a password-protected option in the Administrator menu and administrators can map lines on VVX phones to the Polycom D60 handset. 1 - The Map Lines menu is available to administrators and to users on VVX phones at Menu > Settings > Features > VVX D60 Configuration to map lines on VVX phones to the Polycom D60 handset.	No

Template	Parameter Template	Permitted Values	Change Causes Restart or Reboot
dect.cfg, features.cfg	feature.VVXD60.allowPairing	None (default) - Users are not allowed to pair or unpair a base station from the VVX phone. Pairing - Users are allowed to pair the base station with the VVX phone, but unpairing is not allowed. Unpairing - Users are allowed to unpair the base station from the phone, but pairing is not allowed. Both - Users are allowed to pair and unpair the base station with the VVX phone.	No
site.cfg	VVXD60.handset.maxCount	Const_NumHandSets (default) 1	No

Related Topics

Configure VVX D60 Network Settings