

## OVERVIEW &amp; REQUIREMENTS

This guide covers configuring the **Poly VVX D230** DECT IP phone to register with the PBX **6.7.1** — by manual configuration or by auto provisioning.

## Identify Your Phone Model

Check the label on the **back of the phone** for the exact model. Different models can have significantly different requirements and setup procedures — confirming the model before you start avoids failed registrations.

## Phone Firmware

The phone must be running firmware **7.1.2**. To check the version:

- 1 Browse to the phone's IP address (e.g. `http://192.168.1.22`).
- 2 Log in — factory defaults are username **admin**, password **admin**.
- 3 Go to **Status** in the left navigation menu and click **System Status**.
- 4 Under **Product Information**, the **Software Version** field shows the firmware version.

## DHCP Server

A fully configured and operational **DHCP server** is required on the network.



## CHECK YOUR PBX VERSION

Log in to the PBX and navigate to **Settings > About**. The top of the page shows a code similar to:

```
Edition: Business, Release: 6.7.1 (387597b7),
Running: 16.16.1-gc-c0d40968, Proxy v6.7.1 (7009484),
API: 6
```

**Release** denotes the exact version of your PBX. This guide targets release **6.7.1**.

**VERIFY:** After any registration method in this guide, dial **\*123** from the phone to confirm it is registered.

## INSTALLATION

Connect the base station to power and the data network, find its IP address, then apply factory settings if the phone has been used before.

### Power Adapter

- Connect the DC plug on the power adapter to the **DC port** on the phone, and plug the other end into an electrical outlet.
- Connect an Ethernet cable between the **Internet** port on the phone and a network port on your router or switch to access the LAN.

### Power over Ethernet (PoE)

- Using a regular Ethernet cable, the phone can be powered directly from a **PoE-compliant** router or switch.
- Connect the Ethernet cable between the **Internet** port on the phone and an available port on the in-line power router or switch.

**NOTE:** When using PoE, do not connect the AC adapter. Make sure the Ethernet cable and the router or switch are PoE compliant.

### Find the Phone's IP Address

- 1 Press the **Menu** button on the handset.
- 2 Go to **Settings > Basestation Info**.

The IP address is displayed at the top of the display.

### RESET TO FACTORY SETTINGS

Not required for brand-new out-of-the-box phones — but a **must** if the phone has already been used. On the VVX D230 this is done from the web interface:

- 1 Open a browser and enter the phone's IP address to reach the web administration login screen. Example: `http://192.168.1.22`
- 2 Log in — factory defaults are username **admin**, password **admin**.
- 3 Go to **System Management** in the left navigation menu.
- 4 Click the **Device Update** menu.
- 5 Under the **Reset Configuration** section, click the **Reset** button. The phone resets to factory settings and reboots.
- 6 Wait for the device to finish rebooting.

**NOTE:** Do not unplug or remove power from the phone while it is updating firmware and configurations.

## MANUAL CONFIGURATION — UAD &amp; EXTENSION

Set the UAD, create an extension on the PBX, then register the phone (next page).

## Log In to the Web Interface

- Open a browser and enter the PBX IP address to reach the administration login screen. Example: `http://192.168.1.10`
- Log in with your **e-mail address** and **password**.

## UAD Settings

- 1 Navigate to **Settings › UAD**.
- 2 Make sure the Poly VVX D230 UAD is enabled — click the **edit** icon for your phone to check.
- 3 Set **Status: Active**, **Auto provisioning: No**, **DHCP: Yes**.
- 4 Click **Save**.

## Create the Extension

- 1 Navigate to **Extensions** and click **Add Extension**.
- 2 Select the Poly VVX D230 phone model from the **UAD** select box.
- 3 Select **Location: Local** (registered on the LAN) or **Remote** (registered from remote networks, WAN, Internet).
- 4 Click **Next step**.

## REQUIRED FIELDS

- **Name** — a name for the extension. Example: **John Smith**.
- **E-mail** — the address associated with this extension; it receives all system notification messages. Example:  
`john.smith@yourdomain.com`
- **Department** — the department the extension belongs to.  
Example: **Sales**.

Click **Save**. The extension number and secret are sent to this e-mail address.

## REGISTERING THE PHONE — HOSTNAME OR IP ADDRESS

Registration is configured from the phone's web administration interface. For each field below, **clear its default check box**, then enter or select the value.

## Profile A — SIP Section

- 1 Browse to the phone's IP (e.g. `http://192.168.1.22`) and log in — factory defaults are username **admin**, password **admin**.
- 2 Click **Service Providers** and select **Profile A**.
- 3 In the **SIP** section, set:

| SIP FIELD            | VALUE                                  |
|----------------------|----------------------------------------|
| ProxyServer          | IP address of the registration server. |
| ProxyServerPort      | 5060                                   |
| ProxyServerTransport | UDP                                    |
| RegistrarServer      | IP address of the registration server. |
| RegistrarServerPort  | 5060                                   |

**NOTE:** Click **Submit** — otherwise your changes are lost. On the Configuration Update screen, click **Return** to continue.

## Voice Services › SP1 Service

- 1 Go to **Voice Services** in the left navigation menu and click **SP1 Service**.
- 2 Set the following fields:

| SP1 FIELD         | VALUE                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Enable            | Check the value to enable the service.                                                                                               |
| X_DisplayNumber   | The PBX extension number.                                                                                                            |
| X_ServProvProfile | A — associates the service with ITSP Profile A.                                                                                      |
| AuthUserName      | Under <b>SIP Credentials</b> : the extension username, e.g. <b>700101</b> .                                                          |
| AuthPassword      | The extension secret from the extension's e-mail (e.g. <code>_%Z4M3*Ts9y7</code> ) — generated automatically for each new extension. |

- 3 Click **Submit**, then click **Reboot**.

**VERIFY:** Wait for the device to reboot, then dial **\*123** to confirm registration.

## AUTO PROVISIONING

### UAD Settings

- 1 Log in to the PBX web interface (e.g. `http://192.168.1.10`).
- 2 Navigate to **Settings** > **UAD** and click the **edit** icon for your Poly VVX D230.
- 3 Set **Status: Active**, **Auto provisioning: Yes**, **DHCP: Yes**.
- 4 Click **Save**.

### Create the Extension

- 1 **Extensions** > **Add Extension**; select the Poly VVX D230 model from **UAD**, choose **Local** or **Remote**, click **Next step**.
  - **Name** — e.g. John Smith.
  - **E-mail** — e.g. `john.smith@yourdomain.com`
  - **Auto Provisioning** — set to **Yes**.
  - **MAC Address** — e.g. **9CADEF123456** (on the back of the phone).

Click **Save**.

**VERIFY:** Provisioning runs during reboot; the phone picks up its configuration file from the PBX. Dial **\*123** to confirm registration.

### TFTP, HTTP or HTTPS

- 1 Browse to the phone's IP (e.g. `http://192.168.1.22`). Enter the username and password and press **Confirm** — factory defaults are username **admin**, password **admin**.
- 2 Click **System Management** in the left navigation menu, then click **Auto Provisioning**.
- 3 Go to the **ITSP Provisioning** section and choose the server type: **HTTP**, **HTTPS**, or **Trivial FTP** — **HTTP** is recommended.
- 4 Enter the provisioning URL in **ConfigURL**. For HTTP/HTTPS, replace **username** and **password** with your **Auto Provisioning** username and password.
- 5 Click **Submit**, then click **Reboot**.

| METHOD           | CONFIGURL EXAMPLE                                                                  |
|------------------|------------------------------------------------------------------------------------|
| HTTP (hostname)  | <code>http://username:password@abc.yourdomain.com/prov/\$mac.xml</code>            |
| HTTPS (hostname) | <code>https://username:password@abc.yourdomain.com/prov/\$mac.xml?profile=1</code> |
| HTTP (IP)        | <code>http://username:password@192.168.1.10/prov/\$mac.xml</code>                  |
| HTTPS (IP)       | <code>https://username:password@192.168.1.10/prov/\$mac.xml?profile=1</code>       |
| TFTP (hostname)  | <code>tftp://abc.yourdomain.com/\$mac.xml</code>                                   |
| TFTP (IP)        | <code>tftp://192.168.1.10/\$mac.xml</code>                                         |

**NOTE:** When using HTTPS, appending **,tls-profile=1** to the URL is required.

## USING TLS &amp; CONFIGURING BLF

## USING TLS

If you use **HTTPS** as the protocol for registering the device, you must install a certificate on the phone.

## Install the Certificate

- 1 Browse to the phone's IP (e.g. `http://192.168.1.22`). Enter the username and password and press **Confirm** — factory defaults are username **admin**, password **admin**.
- 2 Click **System Management**, then **Device Admin**.
- 3 Go to the **Platform CA 1** section. Clear the **DownloadURL** default check box and enter the URL to your certificate.
- 4 Go to the **TLSPlatform Profile 1** section. Clear the **CACertList** default check box and select **Platform 1**.
- 5 Click **Submit**, then click **Reboot**.

Wait for the device to reboot. The certificate is then installed on your device.

## CONFIGURE BLF (BUSY LAMP FIELD)

BLF is configured on the PBX side, per extension.

## Extension Settings

- 1 Log in to the PBX web interface (e.g. `http://192.168.1.10`) with your e-mail address and password.
- 2 On the **Extensions** page, click the **Edit** icon for the extension.
- 3 Click **Advanced Options** and navigate down to the **Auto Provisioning** and **Presence** group of settings.
- 4 Make sure **Auto Provisioning** is set to **Yes** and **Presence** is set to **Yes**, then click **Save**.
- 5 Click **Enhanced Services**. Check the **Directory / BLF List** check box and click **Save** to enable the feature.
- 6 Click the Directory / BLF List **Edit** button.
- 7 Enter the user's extension number, check the **BLF** check box, and click **Save**.