

HSB IPBX Phones and Gateways Guide

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HSB IPBX works with any standard SIP phone. Yealink and Grandstream desk phones set themselves up automatically; analog phones, fax machines and analog or E1 lines connect through SIP gateways.

Which method for which device

Device	Method	Dashboard page
Yealink or Grandstream desk phone	Automatic provisioning by MAC address	Extensions → Phone Provisioning
Any other SIP desk phone or softphone	Manual settings on the phone	— (extension from Extensions → IP Extensions)
Analog phone or fax machine	FXS gateway or ATA, one port per extension	Extensions → Gateways, then Analog Extensions
Analog phone line from the telephone company	FXO gateway	Extensions → Gateways
E1/T1 digital line	E1 gateway	Extensions → Gateways
Computer	HSB-Call Wave softphone	Add-ons → HSB-Call Wave

Every phone and every FXS port needs its own extension first (FXO and E1 gateways don't) (**Extensions → IP Extensions**).

Yealink and Grandstream: automatic setup

The PBX hands each phone its extension, password and server address, so nobody types settings into the phone.

1. Find the provisioning URL. Open **Extensions → Phone Provisioning**. The top of the page shows it, for example `http://192.168.1.50:8181/`.

2. Tell the phones where to look — choose one:

- **DHCP option 66** (best for many phones): in your router or DHCP server, set option 66 to the provisioning URL. Every phone that starts up finds it by itself.
- **On each phone:** Yealink — web page → **Settings** → **Auto Provision** → **Server URL**.
Grandstream — web page → **Maintenance** → **Upgrade and Provisioning** → **Config Server Path**, protocol **HTTP**.

3. Add the phones. Click **+ Add phone** → MAC address (on the label under the phone), brand, model, extension and an optional line label → **Save**.

4. Restart the phone. It downloads its settings and registers. **Last provisioned** on the page shows the time and the phone's IP address.

Phones that contacted the PBX but aren't added yet appear under **Phones asking for settings** — click **Set up** to add one in a single step.

After changing an extension (for example a new password), click **Push & reboot** next to the phone to send the new settings.

Provisioning answers only devices on your local network. Never forward port 8181 to the internet.