

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Grandstream HT812** ATA to register with **the PBX platform 6.6** — from installation through manual configuration and auto provisioning (DHCP, TFTP, HTTP/HTTPS).



Grandstream HT812 ATA

BEFORE YOU BEGIN

- **Device model** — Confirm the exact model on the back of the device
- **Firmware** — Version **1.0.57.1**
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release **6.6**

CHECK DEVICE FIRMWARE

- 1 Browse to the device's IP, e.g. `http://192.168.1.22`
- 2 Log in (factory default: `admin / admin`)
- 3 The firmware version is displayed on the status page

FIND DEVICE IP ADDRESS

- 1 Pick up the handset connected to the ATA and dial `***` to enter the IVR menu
- 2 Press `02` to hear the IP address announced

CHECK PBX VERSION

- 1 Log in to the PBX platform, navigate to **Settings > About**

```
Edition: Business, Release: 6.6.0 (387597b7),  
Running: 16.16.1-gc-c0d40968, Proxy v6.6  
(62b7bcd), API: 6
```

INSTALLATION

OPTION A — POWER ADAPTER

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

NOTE: If using PoE, you do not need the AC adapter. Ensure the Ethernet cable and router/switch are PoE compliant.

OPTION B — POWER OVER ETHERNET (POE)

- 1 Connect an Ethernet cable between the **Internet** port on the device and an available port on a PoE-compliant router or switch

RESET TO FACTORY SETTINGS

Not required for brand-new devices — but a **must** for any device previously used.

- 1 Browse to the device's IP, e.g. <http://192.168.1.22>
- 2 Log in (factory default: admin / admin)
- 3 Click **Maintenance** in the top navigation menu
- 4 Click **Factory Reset** in the left navigation menu
- 5 Click **Reset** in the Configure WEB UI section — the device resets and reboots

WARNING: Do not unplug or remove power while the device is updating firmware or configuration.

MANUAL CONFIGURATION — UAD SETTINGS

- 1 Browse to the PBX platform, e.g. <http://192.168.1.10>, and log in
- 2 Navigate to **Settings > UAD**
- 3 Click the **Edit** icon for the Grandstream device
- 4 Set **Status** = **Active**, **Auto provisioning** = **No**, **DHCP** = **Yes**
- 5 Click **Save**

The screenshot shows the 'UAD settings' page in the Grandstream HT812 web interface. The 'General' tab is selected. The 'Status' dropdown menu is set to 'Active'. The 'Auto provisioning' checkbox is unchecked. The 'DHCP' checkbox is checked. The 'UAD settings — manual configuration' text is at the bottom.

MANUAL CONFIGURATION — EXTENSION & REGISTRATION

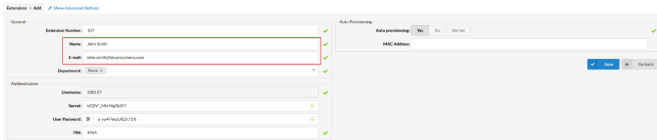
CREATE THE EXTENSION

- 1 **Extensions** > **Add Extension** > UAD = Grandstream HT812, Location = Local or Remote > **Next step**

REQUIRED EXTENSION FIELDS

- **Name** — e.g. John Smith
- **E-mail** — e.g. john.smith@yourdomain.com
- **Department** — e.g. Sales

Click **Save**.



Creating the extension

REGISTER THE DEVICE (TWO STEPS)

STEP 1 — PROFILE 1 (SIP SERVER)

- 1 Browse to the device's IP, log in (admin / admin)
- 2 Click the **Profile 1** tab
- 3 **Primary SIP Server** — PBX hostname or IP, e.g. voip.yourdomain.com or 192.168.1.10
- 4 Click **Apply**

STEP 2 — FXS PORTS (CREDENTIALS)

- 1 Click the **FXS Ports** tab
- 2 **SIP User ID** — the Extension number, e.g. 1003
- 3 **Authenticate ID** — same as SIP User ID
- 4 **Password** — the extension Secret, e.g. _%Z4M3*Ts9y7
- 5 **Name** — usually the same as the SIP User ID
- 6 Click **Apply**

VERIFY: Dial *123 to confirm registration.

AUTO PROVISIONING

1 UAD SETTINGS

- 1 Log in to the PBX platform, navigate to **Settings > UAD**
- 2 Click **Edit** for the Grandstream device, set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, click **Save**

UAD settings — auto provisioning

2 CREATE THE EXTENSION

- 1 **Extensions > Add Extension > UAD = Grandstream HT812**, Location = Local or Remote > **Next step**

REQUIRED EXTENSION FIELDS

- **Name** — e.g. John Smith
- **E-mail** — e.g. john.smith@yourdomain.com
- **Auto Provisioning** — set to **Yes**
- **MAC Address** — from the back of the device, e.g. 000B82123456

Click **Save**.

Creating the extension with auto provisioning

3A REGISTER VIA DHCP (OPTION 66)

- 1 Configure your DHCP router to use **option 66**. On first boot or reboot, the device picks up its configuration automatically. Dial ***123** to verify.

3B REGISTER VIA TFTP, HTTP, OR HTTPS

- 1 Browse to the device's IP, log in (**admin / admin**)
- 2 Click **Maintenance > Provisioning**
- 3 Enter auto-provisioning username and password in the **HTTP/HTTPS User Name** and **HTTP/HTTPS Password** fields
- 4 In the **Provisioning via** dropdown, select TFTP, HTTP, or HTTPS
- 5 In the **Config Server Path** field, enter the appropriate address (see formats below)
- 6 Click **Save and Apply**, then click **Reboot** in the top right
- 7 Wait for the configuration to update. Dial ***123** to verify.

CONFIG SERVER PATH FORMATS

- **HTTP / HTTPS** — **abc.yourdomain.com/prov** or **192.168.1.10/prov**
- **TFTP** — **voip.yourdomain.com** or **192.168.1.10**

Do **not** include the protocol prefix (**http://**, **tftp://**) — the **Provisioning via** dropdown handles this.