

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Cisco ATA 191** analog telephone adapter to register with **the PBX platform v7.5.0** — from physical installation through manual configuration and auto provisioning (TFTP, HTTP).



Cisco ATA 191 analog telephone adapter

ATA 191 VOICE CODES

Lift the handset on the connected analog phone and dial:

- ******** then **150#** — Hear firmware version
- ******* then **110#** — Hear IP address
- ******** then **73738#** then **1** — Factory reset (hang up to start)

BEFORE YOU BEGIN

- **Device model** — Confirm the exact model printed on the back of the adapter. Similar models can have significantly different procedures.
- **Firmware** — Version **11-2-4**
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release **7.5.0**

CHECK DEVICE FIRMWARE

- 1 Lift the handset and dial ********
- 2 Enter **150** and press **#**
- 3 The device reads the software version aloud — confirm **11-2-4**

CHECK PBX VERSION

- 1 Log in to the PBX platform
- 2 Navigate to **Settings > About**

The top of the About page shows a code similar to:

```
Edition: Multi-Tenant, Release: 7.5
(387597b7), Running: 18.15.0.-gc-b47edc45,
Proxy v7.5 (62b7bcd), API: 7.4
```

Release denotes the current version of your PBX.

INSTALLATION

CONNECT NETWORK & POWER

- 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
- 3 Connect an analog telephone to the **Phone** port on the ATA using a standard telephone cable

FIND THE DEVICE'S IP ADDRESS

- 1 Lift the handset on the connected analog phone
- 2 Dial ******* to enter the configuration menu
- 3 Enter **110** and press **#**
- 4 The IP address is read aloud — write it down

You can now access the ATA web interface by entering this IP address in your browser, e.g. `http://192.168.1.22`

TWO WAYS TO REGISTER

- **Manual configuration** — set line credentials directly in the ATA's web interface (page 3)
- **Auto provisioning** — the device pulls its configuration from the PBX via TFTP or HTTP (page 4)

RESET TO FACTORY SETTINGS

Not required for brand-new, out-of-the-box devices — but a **must** for any device that has been used before.

- 1 Lift the handset and dial ********
- 2 Enter **73738** and press **#**
- 3 Press **1** to confirm the reset
- 4 Hang up to exit and start the restore process
- 5 Allow time for the device to reboot

WARNING: Do not unplug or remove power while the device is performing a factory reset or updating firmware.

MANUAL CONFIGURATION

1 UAD SETTINGS

- 1 Browse to the PBX platform, e.g. `http://192.168.1.10`, and log in with your e-mail address and password
- 2 Navigate to **Settings > UAD**
- 3 Click the **Edit** icon for the Cisco ATA 191
- 4 Set **Status** = **Active**, **Auto provisioning** = **No**, **DHCP** = **Yes**
- 5 Click **Save**

UAD settings — manual configuration

2 CREATE THE EXTENSION

- 1 **Extensions** > **Add Extension**
- 2 Select **Cisco ATA 191** in the **UAD** select box
- 3 Select Location: **Local** (LAN) or **Remote** (WAN / Internet)
- 4 Click **Next step**

REQUIRED EXTENSION FIELDS

- **Name** — e.g. John Smith
- **E-mail** — receives all system notifications, e.g. john.smith@yourdomain.com

Click **Save**.

Creating the extension

3 REGISTER THE DEVICE

- 1 Browse to the ATA's IP, e.g. `http://192.168.1.22`
- 2 Log in with username and password (factory default: `admin / admin`)
- 3 Click **Voice** in the main menu, then **Line 1**
- 4 **Proxy** — PBX hostname or IP, e.g. `voip.yourdomain.com` or `192.168.1.10`
- 5 **User ID** — the Extension number, e.g. `1003`
- 6 **Password** — the extension Secret from the e-mail, e.g. `%Z4M3*Ts9y7`
- 7 Click **Submit** and wait for the device to reboot

AUTO PROVISIONING — TFTP & HTTP

1 UAD SETTINGS

- 1 Log in to the PBX platform and navigate to **Settings > UAD**
- 2 Click the **Edit** icon for the Cisco ATA 191
- 3 Set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, then **Save**

UAD settings — auto provisioning

2 CREATE THE EXTENSION

- 1 **Extensions > Add Extension > UAD = Cisco ATA 191**,
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. 0002FDFF1536

Click **Save**.

Creating the extension with auto provisioning

3 REGISTER THE DEVICE

- 1 Browse to the ATA's IP and log in (**admin / admin**)
- 2 Click **Voice** in the top menu, then **Provisioning** tab
- 3 In the **Profile Rule** field, enter one of the formats below
- 4 Click **Submit** and wait ~35 seconds — the device may reboot, then reboots again to pick up its configuration file

TFTP PROFILE RULE EXAMPLES

- `tftp://voip.yourdomain.com/$MA.cfg`
- `tftp://192.168.1.10/$MA.cfg`

HTTP PROFILE RULE EXAMPLES

- **Hostname**
`[--uid autop-username --pwd autop-password]http://voip.yourdomain.com/prov/$MA.cfg`
- **IP Address**
`[--uid autop-username --pwd autop-password]http://192.168.1.10/prov/$MA.cfg`

Replace **autop-username** / **autop-password** with your server's auto-provisioning credentials.