

INTRODUCTION

This configuration guide explains how to configure the **Gigaset N870** DECT IP multicell system to register and operate with **Your PBX Platform 5.3.5**. It covers physical installation, manual configuration, and auto provisioning.

FIRMWARE 2.26.0**PBX 5.3.5.0****POE READY**

REQUIREMENTS

Identifying the Phone Model

Check the label on the **back of the phone** for the exact model. Different Gigaset models can have significantly different requirements and installation procedures — confirm you are working with a **N870** before proceeding.

Phone Firmware

- Ensure the phone is loaded with firmware version **2.26.0**.
- To verify, browse to the phone's IP address (example: **http://192.168.1.22**) to reach the web administration login screen.
- Log in with your username and password. Factory defaults — username: **admin**, password: **admin**.



DHCP Server

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

PBX Version

Your PBX Platform version **5.3.5.0**. To verify the version:

- Log in to the PBX web administration interface.
- Navigate to **Settings > About**.
- The **Release** value on the About page denotes the exact PBX version.

INSTALLATION

This section describes how to connect the phone to power and the data network, and how to restore factory settings.

Power Adapter

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

Power over Ethernet (PoE)

- Using a standard Ethernet cable, the phone can be powered directly from a PoE-compliant router or switch — connect the cable between the phone's **Internet** port and an available in-line power port.

NOTE: When using PoE, the AC adapter is not required. Verify that the Ethernet cable and the router/switch are PoE compliant.

Find the Phone IP Address

- Open the **Menu** on a DECT handset registered to the base.
- Go to **Settings > System > Local network**.
- The IP address is displayed on the phone.

Reset to Factory Settings

Not required for brand-new phones — **mandatory** for any previously used phone.

- Disconnect the power supply.
- Power on the device while keeping the **Connect** button pressed, and wait about 15 seconds until the Connect button starts to blink fast.
- Release the **Connect** button, power the device off, then turn it on again.
- Allow time for the device to boot.

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

MANUAL CONFIGURATION

UAD Settings

- Browse to the PBX IP address (example: **http://192.168.1.10**) and log in with your e-mail address and password.
- Navigate to **Settings > UAD** and confirm the Gigaset UAD is enabled — click the **edit** icon for the Gigaset phone to check.
- Set **Status = Active**, **Auto provisioning = No**, **DHCP = Yes**, then click **Save**.

Creating an Extension

- Navigate to **Extensions** and click **Add Extension**.
- Select the Gigaset phone model from the **UAD** select box.
- Select Location: **Local** (extensions registered on the LAN) or **Remote** (extensions registered from remote networks, WAN, Internet, etc.), then click **Next step**.

REQUIRED FIELDS

CUSTOMER SUPPORT

WE'RE HERE TO HELP

COMPANY

SUPPORT PHONE

SUPPORT WEBSITE

REGISTERING THE PHONE — HOSTNAME OR IP ADDRESS

- Browse to the phone IP address (example: **http://192.168.1.22**) and log in (factory default username: **admin**, password: **admin**).
- Click the **Settings** tab in the top navigation menu, then **Telephony** in the left navigation menu.
- Click the first **Edit** button, then click the **Show advanced settings** button, and enter the following details.

REQUIRED FIELDS

Authentication name

PBX extension number. Example: **1003**

Authentication password

The Secret of the extension, as received in the e-mail associated with the extension. Example: **_%Z4M3*Ts9y7**.
A password is generated automatically for each newly created extension.

Username

Same number as the **Authentication name**.

Display name

Usually the same as the **Authentication name**.

Domain

PBX IP address or domain name. Example: **192.168.10.1** or **pbx.yourdomain.com**

Proxy server address

Same as the **Domain** field.

Registration server

Same as the **Domain** field.

Click the **Set** button to apply, then allow time for the device to reboot.

VERIFY: If everything is configured as described, the phone is now registered. Dial ***123** to verify registration.

AUTO PROVISIONING

UAD Settings

The screenshot shows the 'UAD Settings' page. In the 'General' section, 'DTMF Mode' is set to 'rfc2833', 'Context' is 'default', and 'Status' is 'Active'. The 'Internal UAD name for Auto-Provisioning' is 'gpr2616'. In the 'Network Related' section, 'Transport' is 'UDP', 'Encryption' is 'Offer if possible (TLS only)', 'NAT' is 'Default (port)', 'Direct media' is 'No', 'Direct RTP setup' has 'Yes', 'No', and 'Not Set' buttons, and 'Quality (mb)' is '8000'. In the 'Call Properties' section, 'Area Code' is empty, 'Ringtime (sec)' is '32', 'Incoming Dial Options' is 'tr', and 'Outgoing Dial Options' is empty. In the 'Channels' section, 'Incoming Limit' is '2', 'Outgoing Limit' is '2', and 'Busy level' is empty. In the 'Codes' section, there is a table with 10 rows for codecs: G.722, G.711 ulaw, G.711 alaw, G.729, iLBC, Opus, and others. In the 'Auto Provisioning' section, 'Auto provisioning' is checked, and 'DHCP' is also checked.

- Log in to the PBX web administration interface and navigate to **Settings > UAD**.
- Confirm the Gigaset UAD is enabled, then set **Status = Active**, **Auto provisioning = Yes**, **DHCP = Yes**, and click **Save**.

Creating an Extension

The screenshot shows the 'Add Extension' page. In the 'General' section, 'Extension Number' is '135', 'Name' is 'John Smith', 'E-mail' is 'john.smith@bicomsystems.com', and 'Department' is 'None'. In the 'Authentication' section, 'Username' is '200135', 'Secret' is 'AD9OC3y-u9QK9*', 'User Password' is 'mX0uq5T0WV2jp62', and 'PIN' is '2718'. In the 'Auto Provisioning' section, 'Auto provisioning' is checked, and 'MAC Address' is '805e04ca04'. In the 'Call Rating' section, 'Call Rating' has 'Yes', 'No', and 'Not Set' buttons, 'Service Plan' is 'Please select ...', 'Slave' has 'Yes', 'No', and 'Not Set' buttons, 'Master Account Code' is empty, 'Reminder Balance' is empty, and 'Credit Limit' is empty. There are 'Save' and 'Go back' buttons at the bottom right.

- Navigate to **Extensions > Add Extension**, select the Gigaset model from the **UAD** box, choose **Local** or **Remote**, and click **Next step**.

REQUIRED FIELDS

Name

Example: **John Smith**

E-mail

Receives all system notifications. Example: **john.smith@yourdomain.com**

Auto Provisioning

REGISTERING THE PHONE — DHCP

- Ensure the DHCP server is configured to use **option 66** to automatically instruct phones with the auto provisioning URL. Refer to your router documentation or network administrator.
- Auto provisioning starts during the phone's first boot or a user-initiated reboot — the DHCP server directs the phone to the correct configuration file. Dial ***123** to verify registration.

REGISTERING THE PHONE — HTTP

- Browse to the phone IP address (e.g. **http://192.168.1.22**), enter the username and password (factory defaults: **admin / admin**), and press the **Confirm** button.
- Click the **Settings** tab, then **System** in the left navigation menu, then **Security** in the submenu, and enter the **HTTP digest username** and **HTTP digest password** (your auto provisioning credentials), then click **Set**.
- Click **Provisioning and configuration** in the submenu.
- In the **Provisioning server** field, enter **http://** followed by the hostname or IP address, followed by **/prov** — example: **http://pbx.yourdomain.com/prov/%MACD.xml** or **http://192.168.1.10/prov/%MACD.xml** — and click **Set**.
- Click the **Start auto configuration** button in the left navigation menu and wait a few seconds for the configuration to update.

NOTE: Do not power off the phone during this process. The phone picks up its configuration file from the PBX during reboot. Dial ***123** to verify registration.