



Your Gigaset N870IP PRO **configures itself automatically**, except for the cluster configuration (Integrator mode, synchronisation) which is done locally, following the dedicated documentation and training.

<https://www.gigaset-config.com/> (admin / admin by default) lets you view your Gigaset devices on your LAN.

1. Configure your numbers in the Kiosk

- First choose the base station that will be your **main base station**: any N870IP base station works, you just need to pick one and note its **MAC-ID** (MAC + 4 digits, visible on the base station's box or in its web interface) — this MAC-ID is what must be configured in the Kiosk. It will host your SIP accounts and DECT handsets, and it will drive and update the other base stations in the cluster.
- Before connecting the base station: configure your SIP accounts and handsets in the **Kiosk** (*My services > Telephony > Manage my IP telephony*).
- At least 1 account + 1 pro DECT handset are required to trigger auto configuration. The others can be added remotely afterwards, in real time, without needing to access the N870IP web interface.

⚠ Currently: **1 SIP account = 1 DECT handset**. Will move to 1 SIP account for 2 handsets once development #298895 is completed.

2. Install the base station(s)

- Connect it (or connect each base station if you have several) via Ethernet PoE (class 1). Power adapter not included as an option.
- Wait **up to 10 minutes** (automatic firmware update). Do not unplug anything — LEDs: see table in "Need help?".
- Ready: ● **1 steady green LED** ("Base only" mode by default, on all base stations).

3. Switch the main base station to "All in one" mode (Integrator)

By default, an N870IP base station is in "Base only" mode (antenna, 1 green LED): it is neither usable on its own, nor a manager. A base station must be switched to "All in one" mode to host your SIP accounts, even if you are only installing a single base station.

- On the main base station chosen earlier, switch it to "All in one" mode (2 steady blue LEDs) via its white button (see "Change the antenna mode" in Need help, up to 10 min). The base station reboots in Integrator mode.
- Check the LEDs: **main base station (Integrator) = 2 steady blue LEDs; secondary base stations (antenna mode, default) = 1 single steady green LED**, no change needed on them.
- Connect to the main base station via https://www.gigaset-config.com (in antenna mode you will not be able to connect: 401 Unauthorized, this is normal).

4. Several base stations for more coverage (DECT Cluster)

N870IP capacity: Small (no license) up to 10 bases / 50 handsets / 20 simultaneous calls; Medium (no license) up to 60 bases / 250 handsets / 60 simultaneous calls; Large and Enterprise require a Gigaset license. Details:

https://wiki.vtx.ch/wiki/VoIP:Gigaset:Nx70IP#Difference_Between_Small_and_Medium_and_Large_Installation

⚠ **Warning** — Installing an N870IP cluster is complex (site survey, sizing, synchronisation) and must be carried out by a qualified Integrator: a certified partner who has completed Gigaset or Celeste training, or with proven experience on Gigaset DECT clusters. A badly installed cluster will be unstable or unusable.

- Recommended (especially if in doubt): during the first startup, put all base stations on the **same PoE switch** and **close together geographically**, to validate correct operation before facing switch cascading or coverage issues. Then follow the documentation for final placement.
- The additional base stations remain in default "Base only" mode (antenna, 1 green LED), no change is needed on them
- Add them to the cluster from the main base station (*SETTINGS / Base stations / Administration then Synchronisation*) following the documentation at <https://pro-wiki.gigaset.com/bin/view/GPPPO/Products/N870/FAQ%20N870%28E%29N770N670N610N530/FAQ%20-%20Base%20stations%20synchronisation/> or https://wiki.vtx.ch/wiki/VoIP:Gigaset:Nx70IP#DECT_Cluster:_LAN_or_DECT_synchronisation
- Make sure your cluster is stable with no red status ("STATUS / Statistics / Local DECT manager / Cluster: 1 / Show cluster graph")

5. Register your DECT handsets

- Insert the handset batteries and start the handset.
- In the **Kiosk** (*My services > Telephony > Manage my IP telephony -> Multi-account hardware*), press the "DECT" button (opens registration for 10 minutes)
- (only for the 1st handset) Restart the main base station and wait at least 2 minutes (this forces configuration synchronisation; once the 1st handset is working, opening DECT pairing from the Kiosk will be real-time). Alternatively, open DECT registration from the base station's web interface (*SETTINGS / Mobile devices / Registration center / Start now*)
- On the handset: select **"Register"**. PIN: **0000**.
- Your number or name is displayed (configurable from the Kiosk): you can now make calls.
- (optional) Install the handset update if available (*Menu / Settings / System / Handset Update*).
- Repeat for each additional handset.

Need help?

LEDs:

LEDs	Meaning
●● alternating	Firmware update
●● steady then alternating	Restarting
● alone	Antenna mode (default / secondary base stations)
●● steady	Antenna mode properly synchronised to the cluster
● alone	Initialising (All in one)
●● or ●● steady	Main base station ready (All in one active)

- Be patient**: no reset less than 10 min after the previous one (reinstalls the firmware, the countdown restarts from zero).
- Change the antenna mode**: hold the white button for **10s** (until it turns off), release as soon as it changes, press again to cycle through the modes until you reach the one you want (**1 green** = antenna; **blue/blue** = All in one + DHCP), hold again for **~4-5s** until red, then release. This is a reset: wait **up to 10 min** (see "Be patient"). Video help: <https://pro-wiki.gigaset.com/bin/view/GPPPO/Products/N870/FAQ%20N870%28E%29N770N670N610N530/FAQ%20-%20Installation/>
- IPUI**: unique handset identifier (*Handset Menu button / Type: *#06# / it's the 1st line*) https://wiki.vtx.ch/wiki/VoIP:Gigaset:Nx70IP#IPUI_-_Get_Gigaset_Pro_Handset_Identifier_to_allow_auto_provisioning
- DECT Metering mode**: check the coverage level to place antennas correctly https://wiki.vtx.ch/wiki/VoIP:Gigaset:Nx70IP#DECT_Metering_Mode_%E2%80%94%94%20Check_Reception_Level_and_Connected_Antenna
- DECT Visualisation tool**: shows whether the cluster is configured correctly https://wiki.vtx.ch/wiki/VoIP:Gigaset:Nx70IP#DECT_Visualisation_tool
- Number of antennas needed**: depends on the sync mode chosen (DECT or LAN), each with its own advantages/constraints (coverage, number of antennas, network requirements) https://wiki.vtx.ch/wiki/VoIP:Gigaset:Nx70IP#Number_of_DECT_antennas_needed
- LAN Sync requirements**: technical constraints for LAN synchronization https://wiki.vtx.ch/wiki/VoIP:Gigaset:Nx70IP#LAN_Sync
- Official Gigaset N870IP PRO manual**: <https://pro-wiki.gigaset.com/bin/view/GPPPO/Documentation/Manuals/Manuals%20-%20N870%20IP%20PRO/>
- Celeste support**: <https://www.celeste.fr> and <https://www.celeste.ch>
- Advanced technical wiki (English)**: <https://wiki.vtx.ch/wiki/VoIP:Gigaset:Nx70IP>



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