Yeastar S-series - Nx70 autoprovisioning

Introduction

This page describes how the Gigaset Nx70 devices are provisioned behind the Yeastar S-series.

For this wiki article, we used:

- Yeastar S20 software 30.12.0.9
- Yeastar auto-provisioning app version 1.8.24 (Contains Nx70 HTTPS provisioning)
- Nx70 software 2.29.0

Yeastar will send a SIP NOTIFY with Event: check-sync;reboot=true to start provisioning, this means that the device is rebooted to trigger the provisioning. The reboot is a Yeastar requirement as Gigaset devices do not need a reboot.

Valid for:	
N670	N870

First steps to connect Nx70

1. Start with an factory default Nx70 with software 2.29.0 or higher.
2. During boot the Nx70 will send a SIP multicast and the device will be visible in the **Yeastar Auto Provisioning App**.

Auto Provisioning

| Device List | Upload Files | Phonebook | Firmware Upgrade | Templates |

Scan   Add   Bulk Add   Edit   Delete   Import

	MAC Address	Extension	Name	IP Address	Manufacturer	Model	Template	Edit	Delete
☐	589ec600c8a9	1024	N670 1024	192.168.178...	Gigaset	N670	[Default]	✎	🗑
☐	7c2f80edeeca	Not Configured	Not Configured	192.168.178...	Gigaset		[Default]	✎	🗑
☐	7c2f80c6e5c2	Not Configured	Not Configured	192.168.178...	Gigaset		[Default]	✎	🗑
☐	7C2F80A10...	Not Configured	Not Configured	192.168.178...	Gigaset	Maxwell3	[Default]	✎	🗑
☐	7C2F80D6C...	Not Configured	Not Configured	192.168.178...	Gigaset	Maxwell2	[Default]	✎	🗑
☐	589ec60d90ca	Not Configured	Not Configured	192.168.178...	Gigaset		[Default]	✎	🗑
☐	7C2F809CE...	Not Configured	Not Configured	192.168.178...	Gigaset	MaxwellBasic	[Default]	✎	🗑
☐	7c2f80c7326d	Not Configured	Not Configured	192.168.178...	Gigaset		[Default]	✎	🗑

3. Via the **Edit** button configure your device

4. Save the configuration

5. Reboot the Nx70

6. The device is configured after reboot

ⓘ After this, it is not needed to reboot the device anymore, even if it is mentioned in the Yeastar web-interface.

Changes made in Yeastar are triggered via sip-notify and auto-provisioning is started without a reboot.

Configuration

The following features are supported by the Yeastar Auto Provisioning App.

- N670 up to 20 handsets
- N870 up to 50 handsets (N870 can handle 250 but for now limited by Yeastar to 50)
- LDAP phone-book
- Central phone-book
- Call Waiting
- Voicemail
- Language
- Admin Password
- Tone scheme
- Time zone
- NTP server
- Codecs
- Firmware update

Add handsets/Accounts

You can configure your handsets by selecting the Extension and define the (internal) LDAP service.

To register the DECT handsets you need to open the Nx70 web-interface and start registration.

Features

- **Call Waiting**: Disable / Enable Call Waiting on all DECT handsets
- **Voicemail:** Disable / Enable the voicemail service on all DECT handsets
- **Central phonebook:** The URL to a central phonebook, this is not the Yeastar (LDAP) phonebook. See below on this page for more info.

Edit Device

Manufacturer:	Gigaset ▼	MAC Address:	589ec600c8a9
Model:	N670 ▼	Template:	[Default] ▼

Account | **Features** | **Preference** | **Codec** | **LDAP**

☑ Call Waiting

☑ Voicemail

| Central phonebook

☑ Enable Central Phonebook

Index	Phonebook URL	Phonebook Name
1		

Preferences

- **Language:** The web-interface language of the system.
- **Admin Password**: In the field, configure your admin password. If this is empty, your password entered during Nx70 installation will not be overwritten.
- **Tone Scheme:** The tone scheme of the country where you use the system.
- **Primary NTP Server:** The NTP server URL you want to use.

Edit Device

Manufacturer:	Gigaset ▼	MAC Address:	589EC600C8A9
Model:	N670 ▼	Template:	[Default] ▼

Account | **Features** | **Preference** | **Codec** | **LDAP**

Language:	German ▼
Admin Password:	⊙ Fixed ○ Prefix
Tone Scheme:	Germany ▼
Time Zone:	Use PBX TimeZone ▼
Primary NTP Server:	pool.ntp.org

[Save]   [Cancel]

Codec

If you disable the G.729 codec you will have more channels on the DECT base. (10 instead of 8)

Edit Device ✕

| Manufacturer: | Gigaset ▾ | MAC Address: | 589ec600c8a9 |
| Model: | N670 ▾ | Template: | [Default] ▾ |

Account   Features   Preference   **Codec**   LDAP

Available Codecs   Selected Codecs

G.729

G.711_alaw

G.711_ulaw

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LDAP

- **Directory name:** The name of the phone-book, visible in the DECT handsets,
- **Server Address:** The IP address of the Yeastar PBX
- **Server Port:** The LDAP server port (389)
- **LDAP Search base (Base DN):** dc=pbx,dc=com
- **Username:** cn=admin,dc=pbx,dc=com
- **Password:** password

Edit Device ✕

| Manufacturer: | Gigaset ▾ | MAC Address: | 589ec600c8a9 |
| Model: | N670 ▾ | Template: | [Default] ▾ |

Account   Features   Preference   Codec   **LDAP**

| LDAP: | LDAP 1 ▾ |

☑ Enable directory (Please check this option to make the configurations below take effect.)

| Directory name: | Yeastar |

| Server Address: | 192.168.178.210 |

| Server Port: | 389 |

Firmware update

Via the firmware update page you can add the latest Nx70 software. (Yeastar require to change the name of the firmware file as no special characters are allowed) You need to start provisioning by entering the Nx70 config in Yeastar and just press save.

Yeastar will send a SIP notify and provisioning/firmware update is then started.

Auto Provisioning — □ ✕

Device List | Upload Files | Phonebook | **Firmware Upgrade** | Templates

Only the configured phones in the "Device List" can upgrade the firmware.

☑ Enable Upgrade ⓘ

Gigaset N670 Firmware: [N8702290RC3.bin] [Upload] [Delete]

Gigaset N870 Firmware: [ ] [Upload] [Delete]

[Save] [Cancel]

Using your own provisioning template

Yeastar offers the possibility to upload your own provisioning template.

Just create an XML provisioning file with all settings and upload via the **Yeastar Provisioning App - Upload Files**.

Make sure the name of the file is the **<MAC address>.xml**, see example below.

Auto Provisioning — □ ✕

Device List | **Upload Files** | Phonebook | Firmware Upgrade | Templates

[Upload a File] [Delete]

☐	Name	Delete
☐	589ec600c8a9.xml	🗑

Central Phonebook

Yeastar offers the possibility to upload and host your own Central Phone-book.

Just create an Central Phone-book with all contacts and upload via the **Yeastar Provisioning App - Phonebook**.

⁎⁎⁎ Auto Provisioning   — ☐ ✕

| Device List | Upload Files | Phonebook | Firmware Upgrade | Templates |

| Contact | **Phonebook** |

[Upload Phonebook]

Manufacturer	Phone Series	File Name	Delete
Gigaset		LocalPhonebook_100contacts.xml	🗑

Edit the device settings and go to **Features - Central phonebook**:

The **Phonebook URL** =

> Example: https://192.168.178.210:8088/tftpboot/upload/phonebook/LocalPhonebook_100contacts.xml

> IP address needs to be changed to match the Yeastar S-series.

> The name depends on the phone-book name you have uploaded.

Edit Device   ✕

Manufacturer:	Gigaset ▾	MAC Address:	589EC600C8A9
Model:	N670 ▾	Template:	[Default] ▾

| Account | **Features** | Preference | Codec | LDAP |

☑ Call Waiting

☑ Voicemail

▌ **Central phonebook**

☑ Enable Central Phonebook

Index	Phonebook URL	Phonebook Name
1	https://192.168.178.210:8	CentralPhonebook