

# Übersicht

TAP Product / version	Gigaset DECT870 IP Pro / FW: V2.39.0
SwyxWare Component(s) / version(s)	SwyxWare 13.00
Interface(s)	SIP
TAP Status	Swyx Certified
Test Status	OK
Testdate	08.10.2021

# Installation- and configuration hints

### SwyxWare

Create a new user for a DECT870 handset or assign SIP credentials to an existing user. This has to be done for each user that shall work with a Gigaset handset.

Add new User		×
SIP parameters Configure the SIP parameters.		<b>بڑی</b>
To logon via SIP it's necessary to spe In case authentication is enabled you	cify a unique User ID for each User. must enter a username and a password, too.	
<u>U</u> ser ID:	UserA	
Authentication Mode:	<use default="" swyxserver=""></use>	
User <u>N</u> ame:	UserA	
Password:		
Repeat Password:		
	< <u>B</u> ack <u>N</u> ext >	Cancel

Figure 1: SIP settings of SwyxWare user

## DECT870 IP Pro

#### Preparation

- 1. Connect the DECT870 IP Pro to the network
- 2. Before the actual configuration, it is strongly recommended to perform a factory reset when device is booting as follows and set it to the desired role:
  - a. Press the device button for at least 10 seconds until all LED switch off
  - b. Release the button the device is now in programming mode
  - c. Repeat pressing the device button until:
    - i. Both LEDs are light blue for Integrator/DECT manager with dynamic IP address
    - ii. The right LED light is blue for Integrator/DECT manager with fixed IP settings
    - iii. The right LED light is green for Base Station



iv. The left LED light is blue, and the right LED light is green: for Base station and DECT manager

After the role was selected, press the device button for at least 4 seconds

Consult the Gigaset manual for the DECT870 IP Pro about the roles. Usually, one DECT870 IP Pro is configured as Integrator/DECT Manager. The role of a base station can be added if necessary. Additional DECT870 IP Pro need to be configured as Base station only.

- 3. After assigning the role, the device is reset to the factory settings.
- 4. After factory reset, at the first login, the admin password must be changed. Default login: admin, password: admin
- 5. On the web interface, navigate to Status and confirm the proper, installed firmware. At least version V2.39.0 has to be installed.

Firmware version	V2.39.0 (V2.39.0+build.1ffa429)			
Date and time	2021-04-23 10:39:26			
Last backup	2021-04-15 15:30:13	☑ System ► Save and restore		

Figure 2: Installed firmware of DECT870 IP Pro

If firmware needs to be updated, navigate to Settings -> System -> Firmware to update the firmware either from the Gigaset update server (Online) or from a previously downloaded firmware file.

The current firmware can be downloaded from here:

https://teamwork.gigaset.com/gigawiki/pages/viewpage.action?pageId=702251506

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	guset							Gigaset N	1870 IP PRO
	of settings	i STATUS	S				🔯 Language 👻	? Help	🕞 Logou
#	Network	> s	ystem firmware						
Ø	DECT Manager	>							
&	Base stations	> <sup>C</sup>	urrent version 🔞		V2.39.0 (V2.39.0	+build.1ffa429)			
	Provider or PBX profiles	B	ackup available for previou	s version 🔞	-				
	Mobile devices	>			Downgrade to an device to factory	y other version will reset			
s.	Telephony	>			device to factory	setungs.			
	Online directories	<b>&gt;</b>	RL to firmware file 💿			-			
۲	Online services	>			Browse				
æ		Y P	lanned schedule 💿		YYYY-MM-DD H	H:mm	]		
	Web configurator				Immediately				
	Provisioning and configuration	C	onfirmed schedule 💿						
	Security								
	System log	D	ECT Manager's firmware						
	Date and time		Search		Q Search in 🗸	Match whole word		۲	View 👻
			DM Name	Current version		Confirmed sched	ule 🗧 URL to firm	ware file 🗦	
	Save and restore		GGS 870 TAP	V2.39.0 (V2.39.0+bu	iild.1ffa429)				
	Reboot and reset							10 e	entries 👻
	DECT settings								
	Auto-hide menu				Set	Cancel			

Figure 3: Firmware upgrade



#### Configuration

- 1. Login as Admin
- 2. Navigate to Settings -> Provider or PBX profiles and choose to edit one of the VoIP Providers.
- 3. The first step is to provide a proper name
- 4. For Phone system/System, the entry "Automatic" can be selected. In previous firmware versions, "SWYX" could be selected here.

G	gaset					Gigaset N	1870 IP PRC
	SETTINGS	i STATU	US		🕸 Language 🚽	? Help	🕞 Logou
#	Network	>	1. VoIP Provider				
6	DECT Manager	>					
&	Base stations	>	Connection name or number 💿	SwyxWare 12.31			
-			Phone system				
	Mobile devices	>	System 🔞	Automatic -			
s.	Telephony	>	General data of your service provider				
2	Online directories	>					
0	Online services	>	Domain 😨	192.168.50.38			
ŧ	System	>	Proxy server address 🔞	192.168.50.38			
			Proxy server port 💿	5060			
	Auto-hide menu		Registration refresh time 💿	120			
			Transport protocol 💿	UDP •			
				Use SIP Security (SIPS)			

Figure 4: VoIP Provider

For Domain and Proxy server address the IP address of the SwyxWare server needs to be configured. Registration refresh time should be set to the SwyxWare default interval of 120. Transport protocol should be set to UDP.

In the section DTMF over VoIP connection, set the Automatic negotiation of DTMF transmission to NO to see further options. Set Send settings of DTMF transmission to SIP INFO

DTMF over VoIP Connections				
Automatic negotiation of DTMF transmission 🐵	O Yes	• No		
Send settings of DTMF transmission 🚱	Audio	RFC 2833	SIP info	

Figure 5: DTMF Over Voice connections

In the section Settings for Codecs, configure Codec negotiation as displayed. Activation of G.722 needs to be enabled under Telephony -> Audio first.

Settings	for	Codecs	6
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Active codecs		Available	codecs
G722	-	*	
PCMA		>	
PCMU		<u>^</u>	
G729		· ·	
	-		-

Figure 6: Codec settings



#### Registering handsets

- Navigate to Settings -> Mobile devices -> Administration to configure a new mobile device user. Click on Add.
- 2. Set the RegStatus to To Register and generate a random PIN or set one manually.

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#	Network	>	Mobile device						
Ø	DECT Manager	>							
&	Base stations	>	IPUI 🕖						
	Provider or PBX profiles		RegStatus 🕢		To register -	)			
			Authentication Code (PIN) 💿		0000				
				Г	⊐⊄ Generate random PIN				
	Registration Centre		Personal provider data	- 5					
۰.	Telephony	>							
	Online directories	>	A separate SIP connection must be assigned	ed to ea	ach handset.				
۲	Online services	>	Authentication name 📀		UserA				
₽	System	>	Authentication password 🔞						
					Show password 📀				
	Auto-hide menu		Username 💿		UserA	]			
			Display name 🔞		UserA	L			
			VoIP provider 🔞		SwyxWare 12.31				

Figure 7: Mobile device

For the Personal Provider data, add the login credentials for the SwyxWare user previously created. Make sure to set the newly configured VoIP provider.

Scroll down to the bottom of the page and click on Set to save the configuration.

3. In the Gigaset handset menu, go to Settings -> Registration -> Register Handset. Insert the Authentication Code (PIN) when prompted and then OK. After a few seconds, the handset should be registered.

Please consult the Gigaset DECT870 documentation for additional configurations.

Nr.	Short description	Test steps	Status
1	Registration	<ul> <li>Successful registration with authentication</li> <li>Proper reregistration according to registration interval</li> </ul>	OK
2	Basic calls	<ul> <li>Proper call signaling</li> <li>Proper media negotiation and transmission</li> <li>Busy call handling</li> <li>Call rejection</li> <li>Call timeout</li> <li>Long duration calls</li> </ul>	ОК
3	Hold	- Hold call	OK
4	Transfer	<ul> <li>Blind transfer from DECT870 IP Pro</li> <li>Attended transfer to DECT870 IP Pro</li> <li>Semi-Attended transfer to DECT870 IP Pro</li> <li>Blind transfer to DECT870 IP Pro</li> </ul>	ОК
5	Call Forwarding	<ul> <li>Unconditional call forwarding</li> <li>Busy call forwarding</li> </ul>	ОК

### Testcases

Gigaset DECT870 IP Pro



		1			
		-	Delayed call forwarding		
6	DTMF Transmission	-	DTMF transmission on internal calls	OK	
		-	DTMF transmission on external calls		
7	CTI+	-	CTI-Pairing with SwyxIt!	OK	
			<ul> <li>Initiate calls</li> </ul>		
			<ul> <li>Accept calls</li> </ul>		
			<ul> <li>Hold calls</li> </ul>		
			<ul> <li>Transfer calls</li> </ul>		
			<ul> <li>Terminate calls</li> </ul>		
8	Voicemail	-	MWI	OK	
		-	Managing received Voicemails		
9	Global Directory	-	Connection to LDAP Server	OK	

## Remarks

1. No name resolution for incoming call in combination with a LDAP server

# Test history

Date	FW-Version of Gigaset DECT870	SwyxWare version
07.04.0000		Our address 40.00
27.01.2020	V2.26.2	SwyxWare 12.00
22.04.2021	V2.39.0	SwyxWare 12.31
08.10.2021	V2.39.0	SwyxWare 13.00