

# Interop Hybird 120 Gigaset Edition - Swisscom

## Swisscom

Feature	
Outgoing Calls	Yes
Incoming Calls	Yes
CLIP incoming	Yes
CLIP outgoing	Yes
Call Forwarding	Yes
Call Transfer	Yes
Call Waiting	Yes
DTMF	Yes
Anonymous Call	Yes
A-number forwarding	Yes

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### Important

The Hybird 120 Gigaset Edition works only with the Connect Box for the Business Connect Service from Swisscom. How to setup the Connect Box is not part of this description and has to be done via the Business Connect Portal of Swisscom!

## Hybird 120 Gigaset Edition settings.

In the Hybird 120 Gigaset Edition go to "Assistants" - "PBX" and click on "New": --> Add a new SIP Provider with Direct Dial-In:

hybird 120 Gigaset  
Hybird\_120\_GE

Language English 
View Standard
Online Help

Save configuration

Assistants

- First steps
- Internet Access
- VPN
- PBX**
- System Management
- Physical Interfaces
- VoIP

Trunks
Users

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No.	Name	Connection Type	Ports	Status		
01	Swisscom Businessconnect	SIP Provider (DDI)	Swisscom Businessconnect			

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## Provider settings:

Give the Line an unique name, insert the Registration Username and Password.



Important

**Registrar/Domain: MUST be the IP of the Connect Box (Smart Node)!**

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Trunks
Users

**Warning: Country code and/or City code not configured!**

SIP Provider Settings

Name	Swisscom Businessconr
Access Type	Direct Dial-In
Authentication ID	
Password	.....
User Name	
Registrar	192.168.1.47
Trunk Numbers	
Base Number	043336
Class of Service	
Class of Service	<div>Class of Service</div> <div>CoS Default </div> <div>Add</div>

Advanced Settings

OK

Cancel

PBX - Configuring an SIP provider (extension)

Enter the required data for a "VoIP dial-in with extension" scenario.  
**Name:**  
Enter a description for the connection to improve recognition.  
**Access Type:**  
DDI is entered here from your previous selection.  
**Authentication ID:**  
Enter your provider's authentication ID. A 64 digit alpha-numeric sequence is possible.  
**Password:**  
At this point, you can assign a password. A 32 digit alpha-numeric sequence is possible.  
**User Name:**  
Enter the user name you received from your VoIP provider. A 64 digit alpha-numeric sequence is possible.  
**Registrar:**  
Enter the DNS name or IP address of the SIP server. A 26 digit alpha-numeric sequence is possible.  
**Base Number:**

## Number Area settings:

Just add the telephone numbers for this SIP trunk in the "Advanced Settings":

The Port **must** be set to 5062

Advanced Settings

Registrar

Registrar Port

5062

Transport Protocol

☒ UDP

☐ TCP

STUN server

STUN server

Port STUN server

3478

Trunk Numbers

P-P DDI Exception

P-P DDI Exception	Displayed Name	
9330	0433369330	
9331	0433369331	
9332	0433369332	
9333	0433369333	
9334	0433369334	

Add

Further Settings

Generate international phone number

☐ Enabled

Generate national subscriber number

☐ Enabled

OK

Cancel

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Ba

VoIP settings:

Here you can define how the outgoing lines have to look like (e.g. Clip no Screening)

Save configuration

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Basic Settings

Description

Swisscom Businessconnect

Provider Status

☒ Active
☐ Inactive

Access Type

☐ Single Number(s)
☒ Direct Dial-In

Authentication ID

gigaset10

Password

••••••••

User Name

0433369330

Domain

192.168.1.47

Outgoing Signalisation Settings

Outgoing Signalisation

Individual CLIP no Screening Number

Signal remote caller number

☒ Enabled

Registrar

Registrar

192.168.1.47

Registrar Port

5062

Transport Protocol

☒ UDP
☐ TCP

STUN

STUN server

Port STUN server

3478

Timer

Registration Timer

60

Seconds

Advanced Settings

OK

Cancel

## VoIP Advanced Settings:

Here you can define how the outgoing lines have to look like (e.g. Clip no Screening).

Advanced Settings

Proxy	
Proxy Port	5060
Transport Protocol	<input checked="" type="radio"/> UDP <input type="radio"/> TCP
<b>Further Settings</b>	
From Domain	
Number of allowed simultaneous Calls	No Limitation
Location	Any Location
Codec Profiles	BCon
Dial End Monitoring Time	5 Seconds
Call Hold inside the PBX system	<input checked="" type="checkbox"/> Enabled
Call Forwarding extern (SIP 302)	<input type="checkbox"/> Enabled
Generate international phone number	<input type="checkbox"/> Enabled
Generate national subscriber number	<input type="checkbox"/> Enabled
Deactivate number suppression	<input type="checkbox"/> Enabled
SIP Header Field for User Name	<input type="radio"/> P-Preferred <input type="radio"/> P-Asserted <input checked="" type="radio"/> None
SIP Header Field(s) for Caller Address	<input type="checkbox"/> Display
	<input checked="" type="checkbox"/> User Name
	<input type="checkbox"/> P-Preferred
	<input type="checkbox"/> P-Asserted
Substitution of International Prefix with "+"	<input type="checkbox"/> Enabled
PBX coupling	<input type="checkbox"/> Enabled
Delete SIP bindings after Restart	<input checked="" type="checkbox"/> Enabled
Upstreaming Device with NAT	<input type="checkbox"/> Enabled
Early media support	<input checked="" type="checkbox"/> Enabled
Provider without Registration	<input type="checkbox"/> Enabled
T.38 FAX support	<input checked="" type="checkbox"/> Enabled
Substitution of Incoming Number Prefix	substitute with

## Codec Settings

Due to restrictions of the Business Connect Services, it is necessary that **in the hybird and the telephones** the codecs are correct defined. Therefore go to "Codecs Profiles" in the VoIP settings.

Choose only the G.711 aLaw codec.

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Basic Parameters

Description	BCon
Codec Proposal Sequence	Quality
G.711 uLaw	<input type="checkbox"/> Enabled
G.711 aLaw	<input checked="" type="checkbox"/> Enabled
G.722	<input type="checkbox"/> Enabled
G.729	<input checked="" type="checkbox"/> Enabled
G.726 (16 kbit/s)	<input type="checkbox"/> Enabled
G.726 (24 kbit/s)	<input type="checkbox"/> Enabled
G.726 (32 kbit/s)	<input type="checkbox"/> Enabled
G.726 (40 kbit/s)	<input type="checkbox"/> Enabled
DTMF	<input checked="" type="checkbox"/> Enabled
G.726 Codec settings	<input checked="" type="radio"/> 1.366 <input type="radio"/> RFC3551 / X.420

In the Gigaset Phones you have to do the same:

## ▶ Network and Connections

## ▼ Telephony

Connections

Audio

Call Divert

Local Settings

Dialling Plans

Do Not Disturb

Call Live Recording

Voice Mail Services

## ▶ Messaging

## ▶ Services

## ▶ Function Keys

## ▶ System

## Settings for bandwidth

The quality of your VoIP calls depends on the codec used for the transmission. Increased quality means increased data throughput. Depending on the bandwidth of your DSL connection this increase - particularly with 2 concurrent VoIP calls - may lead to problems with the transmission. The following settings enable you to adapt your Gigaset to your individual DSL connection.

13

Packed time for RTP packages  
[ms]

20 ▼

Voice Quality

- ☐ Optimised for high bandwidth  
☐ Optimised for low bandwidth  
☒ Own Codec preference

Selected codecs

G.711 a-law  
G.729A

Available codecs

G.711 μ-law  
G.722  
G.726  
iLbc

&lt; Add

Remove &gt;

Down

Up

Silence Suppression

☐ Yes☒ No

Save

Cancel