

Interop T440/T640 Sipgate Team

Sipgate Team (single number) (T440/640 [SW-version 1.0.2](#))

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	No*
A-number forwarding	No*
Fax	see chart below**

*= use the Sipgate team web-portal for this feature.

**= Sipgate Team offers a full Fax2Mail solution via their web-platform. Preferably use this service!

? Unknown Attachment

- [Sipgate Team \(single number\) \(T440/640 SW-version 1.0.2\)](#)
 - [Gigaset T440/T640 PRO settings.](#)
 - [Gateway Group](#)
 - [SIP gateway](#)
 - [Inbound routes](#)
 - [Outbound routes](#)
 - [Fax support](#)

Gigaset T440/T640 PRO settings.

For entering a new SIP trunk into the PBX, you need some steps:

1. Adding a new Gateway group
2. Adding a new SIP gateway
3. Defining the inbound routes (assignment of number to extension)
4. Defining the outbound routes

Let's assume our SIP account has following landline-number:

089/12345678

And we choose the last three digits also as extension for the user:

678

Gateway Group

In the Gigaset PBX go to "*Administration*" - "*Routes*" - "*Gateway groups*" enter a name for the new group and click on: **Create new group**

In the Gateway group you have to define the Outbound Caller ID, the Inbound DIDs (how the number is forwarded to the Inbound routes) and the Inbound caller ID (number presentation of external caller). in addition you can permit here inbound calls in general for this gateway group.

The screenshot shows the Asterisk SIP Gateway configuration interface. The left sidebar contains a menu with options: Home, Menu, Administration (selected), Users & extensions, System, Provisioning, Routes, Gateway groups (selected), SIP gateways, TDM Gateways, Inbound routes, Outbound routes, Call forward, and System status. The main content area is titled 'Edit gateway group' and contains the following settings:

Title	Sipgate Team		
Permit inbound calls	<input checked="" type="checkbox"/>		
Outbound caller ID	Search/replace pattern for outbound caller ID (1) s/ <input type="text" value="^(*)"/> / <input type="text" value="08912345678"/> /		
Asserted Identity	Search/replace pattern for asserted identity (1) s/ <input type="text" value="^(*)"/> / <input type="text" value="08912345678"/> /		
Inbound DIDs	Search/replace pattern to cut prefixes (2) s/ <input type="text" value="^(?:0049 49 0)?89?"/> / <input type="text" value="\$1"/> /		
Inbound caller ID	Search/replace pattern for inbound caller ID (3) s/ <input type="text" value="^(*)"/> / <input type="text" value="0\$1"/> /		
Gateways	-		

Example of Sipgate Team gateway group settings.
Outbound caller ID

As the number is fixed with this account, every user ('^(*)') who is allowed to use this line will present the same number to the callee.

For external calls, we will present e.g. **08912345678** to the provider. The provider will take care about the number representation to the called party.

Asserted Identity

These fields are used specially for external forwardings. Some providers need special settings in order to present the correct number at the receiving party.

!!! For Sipgate Team accounts this setting is not of interest, as you can only modify your CLIP via the Sipgate Team Web-portal. This is valid for standard calls, anonymous calls or also call forwardings. !!!

Just copy the entries from the Outbound caller ID fields.

Inbound DIDs

For incoming calls, you can use the regular expression, generated by the setup assistant. In your case you would have to adjust the city-code and the first part of the extension, according to your line-settings.

^(?:0049|49|0)?89?12345)?(.*)

This expression cuts all possibly available country- and city-codes and the pilot-number from the incoming number and only the extension is remaining (here: **678**). This will *normally* be forwarded to the Inbound Routes.

!!! The system receives only the username from Sipgate Team. Therefore the regular expression is not working as expected. But you can still use the expression, as the complete username is forwarded to the Inbound Routes !!!

Inbound caller ID

For incoming calls, we will add an additional **0** in front of the external number of the caller, in order to use the callback-feature of the phone (e.g. **0089987654321**). During the call-setup the additional **0** will be automatically removed.

Gateways

This field will be empty when you create this Gateway group. It will show later the assigned SIP gateways.

SIP gateway

In the Gigaset PBX go to "*Administration*" - "*Routes*" - "*SIP gateways*" enter a name for the new gateway and click on: **Create new gateway**

The SIP gateway contains all necessary data for the registration and dial command and how the number is delivered to/from the provider.

Just enter or choose the values according to your contract or data you received from the provider.

The screenshot shows a web interface for configuring SIP gateways. On the left is a dark sidebar menu with options: Home, Menu, Administration (selected), Users & extensions, System, Provisioning, Routes (expanded), Gateway groups, SIP gateways (highlighted in orange), TDM Gateways, Inbound routes, Outbound routes, Call forward, and System status. The main content area is titled 'Edit SIP gateway: Sipgate Team'. It contains a form with the following fields:

Title	Sipgate Team
Name	gw_5_sipgateteam
Registrar	proxy.live.sipgate.de
Proxy [1]	
User [2]	
Password	
Allow outbound calls	<input checked="" type="checkbox"/> ON
Register	<input checked="" type="checkbox"/> ON
Language	de - German (de-DE)
Dial comand [3]	SIP/{prefix}{number:1})@{gateway}
Source of destination number	INVITE request line
Group [4]	Sipgate Team
Port [5]	5060

Example of Sipgate Team gateway settings 1/3.

Home

Menu

Administration

Users & extensions

System

Provisioning

Routes

Gateway groups

SIP gateways

TDM Gateways

Inbound routes

Outbound routes

Call forward

System status

NAT	yes
Redirect RTP stream	Do not reroute RTP stream (default)
Check availability	ON
Simultaneous calls	0 0 for unlimited (default)
DTFM mode	rfc2833 - RTP meta data
From user	
From Domain	
T38 support	OFF
Insecure	invite - no authentication on incoming invites
Update remote party ID (CLIP)	Use Remote-Party-ID header
Trust remote party ID	no - Deactivated (default)
Codecs [7]	<input type="checkbox"/> G.722 <input type="checkbox"/> G.729 <input checked="" type="checkbox"/> G.711 a <input checked="" type="checkbox"/> G.711 u <input type="checkbox"/> GSM <input type="checkbox"/> H.261 <input type="checkbox"/> H.263 <input type="checkbox"/> H.263+
Allowed IP subnet	0.0.0.0 / 0

Example of Sipgate Team gateway settings 2/3.

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Routes

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SIP gateways

TDM Gateways

Inbound routes

Outbound routes

Call forward

System status

Advanced parameters

Value	
fromuser=	
fromdomain=sipgate.de	
username=	

Value

Preview of peer in sip.conf

```

[gw_5_sipgateteam]
type = peer
host = proxy.live.sipgate.de
port = 5060
defaultuser = 
secret = 
language = de
insecure = invite
sendrpid = yes
trustrpid = no
nat = yes
directmedia = no
dtmfmode = rfc2833
call-limit = 0
setvar=_is_from_gateway = 1
context = from-gg-sipgate-team
qualify = yes
disallow = all
allow = alaw
allow = ulaw
fromuser=
fromdomain=sipgate.de
username=

```

Example of Sipgate Team gateway settings 3/3.
Dial command

The dial command is the command which is used in the asterisk software. The term **{number:1}** means, that at the dialled number (e.g. 008987654321) the first digit is removed. If you don't use a line access code (in most cases '0' is used), you have to remove the ':1' !!!

If you want to use a prefix in the outbound Routes, then enter '**{prefix}**' before the term '**{number:1}**'.

Group

Select here the previously created gateway group.

Update remote party ID (CLIP)

This setting is just optional, as the provider replaces outgoing CLIP which is not valid with the default number of the SIP account.

Advanced Parameter

You have to enter the 3 complete terms '**fromdomain=sipgate.de**', '**fromuser=12345678t9**' and '**username=12345678t9**' in the value-field and press the plus-sign.

Underneath you will see then a preview of the entry in the sip.conf file.

Inbound routes

In the Gigaset PBX go to "*Administration*" - "*Routes*" - "*Inbound routes*" select the correct Gateway group and press **Show**.

In addition it is advised to activate the advanced options by clicking it to '**ON**' and then pressing **Show**.

The screenshot shows the 'Administration' menu with 'Inbound routes' selected. The 'Gateway group' is set to 'Sipgate Team (sipgate-team)'. The 'Advanced options' are set to 'ON'. Below this is a table of inbound routes.

Rule	Active	Date	Weekdays	Time	Profile	Pattern	Target	
Sipgate Team	<input checked="" type="checkbox"/>	<input type="text"/> to <input type="text"/>	M T W T F S S <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	00:00 to 24:00	-	^(*)	678	<input type="button" value="🗑"/>
	<input checked="" type="checkbox"/>	<input type="text"/> to <input type="text"/>	M T W T F S S <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	00:00 to 24:00	-			

Example of Sipgate Team Inbound routes.

Rule

Enter here a name for the according rule.

Date / Weekdays / Time

With these settings you can configure a time-controlled routing to different targets.

Pattern / Target

Sipgate Team

ATTENTION! The incoming number of our extension is not send in the default fields. The system sees only the username (in our example: **12345678t9**) of the account, which can also contain letters.

Therefore we have to forward the whole incoming 'number' to an existing extension !!!

For Sipgate team you have to forward the complete 'number' **^(.*)** to an internal extension (e. g. **678**).

Because the Sipgate Team informations contain the username, not the number, we do a 1:1 match between external and internal number.

In our example we forward incoming calls for username **12345678t9** directly to the extension **678**.

Outbound routes

In the Gigaset PBX go to "Administration" - "Routes" - "Outbound routes" activate the Advanced options by clicking it to 'ON' and then pressing **Show**.

Home

Menu

Administration

Users & extensions

System

Provisioning

Routes

Gateway groups

SIP gateways

TDM Gateways

Inbound routes

Outbound routes

Call forward

Outbound Routes

Advanced options

ON

Rule	Active	Weekdays	Time	Pattern	Group	Gateway group	Add prefix	
Sipgate Team general	ON	M T W T F S S	00:00 to 24:00	^0	[all]	Sipga		
						-		
						-		

Example of Sipgate Team Outbound routes.
Rule

Enter here a name for the according rule.

Date / Weekdays / Time

With these settings you can configure a time-controlled routing.

Pattern

In the pattern you define how the outside line is seized. In our example all dialled numbers starting with '0' will use the Gateway group Sipgate basic.

Multiple basic accounts
If you want to use multiple Sipgate Team accounts in the PBX, you have to create a permission group for each user.

The dedicated permission group has to be assigned to the user in the user-settings and then for the outbound routes you have to select the according group, too!

The default setting for groups ([all]) can't be used in this case.

!!! Preferably use the Sipgate trunking accounts for multiple numbers !!!

Fax support

Fax (30.05.2015) has been tested. These results are without a guarantee. Due to different end-devices, configuration of PBX or other settings the fax transmission might fail.

Receiving	Sending				
		Internal FXS	Internal T38-Fax	External T38-Fax	External machine-Fax
	Internal FXS	---	---	NOK	OK
	Internal T38-Fax	---	---	NOK	NOK

	External T38-Fax	OK	NOK	---	---
	External machine-Fax	OK	NOK	---	---

Used devices or services:

Canon Fax-L100 (internal FXS), www.minifax.de (external SW-Fax), Triumph Adler DCC 2725 (external machine-Fax)

We're currently working on an automatic fallback function, which should solve the remaining NOK constellations.