

# T440/T640 Simplecall Business

## Simplecall Business

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	-



- Simplecall Business
  - Gigaset T440/T640 PRO settings.
  - Prerequisites
  - SIP Gateway
  - Gateway Group
  - Inbound Routes
  - Outbound Routes
  - sip.conf File

**i Important**

If outbound CLI is required then from Version 1.0.1 only

## Gigaset T440/T640 PRO settings.

When configuring a SIP trunk into the T640/440 you must complete the following settings:

1. Prerequisites
2. SIP Gateway
3. Gateway Group
4. Inbound Routes
5. Outbound Routes
6. Amend sip.conf file

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## Prerequisites

Simplecall SIP trunks are an IP authenticated connection.

This will require that the installation site has a permanent public IP address, and that the router with this address has port forwarded 5060 to the T640/440.

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## SIP Gateway

The SIP Gateway are the settings to connect to your ISP, for Simplecall

The SIP Gateway setting can be found in Administration/Routes/SIP gateways

### **Title**

Information only, enter Simplecall

### **Name**

Created by the T640/440

### **Registrar**

The IP address of Simplecall = 91.146.112.10

### **Proxy**

Not needed

### **User**

IP authenticated account therefore N/A

### **Password**

IP authenticated account therefore N/A

### **Allow outbound calls**

Enable, assuming you wish to dial out.

### **Register**

IP authenticated account therefore off

### **Language**

en - English(en-US)

### **Dial command**

SIP/{prefix}{number:1}@{gateway}

Remove {prefix} if no prefix is configured in Outbound routes

Remove :1 if no trunk access digit is configured in Outbound routes

### **Source of Destination number**

INVITE request line

## Group

Gateway group configured for this account

## Port

5060

## NAT

yes

## Redirect RTP stream

Do not reroute RTP stream

## Check availability

Off

## Simultaneous calls

set to limit the number of calls, 0 = unlimited

## DTFM mode

rfc2833-RTP meta data

## From user

If you wish to send anonymous CLI, set this option to anonymous.

This is a global setting and cannot be turned off/on on a per user basis

## From Domain

The dedicated Public IP address the account has been allocated to.

## T38 support

On

## Insecure

no - deactivated

## Update remote party ID (CLIP)

Use P-Asserted-Identity header

Simplecall also authenticate on your CLI via the P-Asserted-ID

## Trust remote party ID

no - deactivated

## Codecs

Select your requirements

## Allowed IP subnet

Simplecall's IP address 91.146.112.10/0

Always limit this setting to your ISP's IP address

## Advanced Parameters

Simple call requires a session timer for calls longer than 30 minutes.

session-timers = originate

session-expires = 1800

Title	Simplecall
Name	gw_2_simplecall
Registrar	91.146.112.10
Proxy [1]	
User [2]	
Password	
Allow outbound calls	<input checked="" type="checkbox"/> ON
Register	<input type="checkbox"/> OFF
Language	en - English (en-US)
Dial comand [3]	SIP/(number:1)@(gateway)
Source of destination number	INVITE request line
Group [4]	Simplecall
Port [5]	5060
NAT	yes
Redirect RTP stream	Do not reroute RTP stream (default)
Check availability	<input type="checkbox"/> OFF
Simultaneous calls	0 0 for unlimited (default)
DTFM mode	rfc2833 - RTP meta data
From user	
From Domain	Your Public IP
T38 support	<input checked="" type="checkbox"/> ON
Insecure	no - Deactivated (default)
Update remote party ID (CLIP)	Use P-Asserted-Identity 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.711a <input type="checkbox"/> G.711u <input type="checkbox"/> GSM <input type="checkbox"/> H.261 <input type="checkbox"/> H.263 <input type="checkbox"/> H.263+
Allowed IP subnet	91.146.112.10 / 0

### Advanced parameters

Value	
session-timers = originate	<input type="button" value="🗑"/>
session-expires = 1800	<input type="button" value="🗑"/>

Value

## Gateway Group

The Gateway group amends the inbound/outbound CLI and number received.

For inbound calls the Gateway group receives the call from the SIP gateway

For outbound calls the Gateway group receives the call from the Outbound routes

The Gateway group setting can be found in Administration/Routes /Gateway groups

### Title

Information only, enter Simplecall

### Permit inbound calls

Enable, assuming you wish to receive calls

### Outbound caller ID

Whatever you receive you wish to send, therefore

S/^(.\*)/\$1/

### Asserted Identity

Whatever you receive you wish to send, therefore

S/^(.\*)/\$1/

### Inbound DIDs

Whatever you receive you wish to send, therefore

S/^(.\*)/\$1/

### Inbound caller ID

Whatever you receive you wish to send, therefore

S/^(.\*)/\$1/

If you are using a trunk access code insert it here for redial access on the handsets.

For example if you dial 9 for an outside line:

S/^(.\*)/9\$1/

### Gateways

The Simplecall SIP gateway allocated to this Gateway group

### Outgoing caller IDs

Set the specific CLI for each extension here

Title	Simplecall
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="\$1"/> /
Asserted Identity	Search/replace pattern for asserted identity (1) s/ <input type="text" value="^(*)"/> / <input type="text" value="\$1"/> /
Inbound DIDs	Search/replace pattern to cut prefixes (2) s/ <input type="text" value="^(*)"/> / <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="9\$1"/> /
Gateways	SIP - Simplecall

### Outgoing caller IDs

Extension	Caller ID	
Extension <input type="text"/>	Caller ID <input type="text"/>	<input type="button" value="+"/>

## Inbound Routes

The inbound routes maps the the DDI number you receive to a destination within the T640/440

The Inbound route setting can be found in Administration/Routes /Inbound routes

### Gateway Group

Which Gateway group you wish to configure, select Simplecall

Rule	Active	Date	Weekdays	Time	Profile	Pattern	Target
all	<input checked="" type="checkbox"/>		M T W T F S S	00:00	-	Received number	Destination
		to		to			
				24:00			

### Advanced options

Enable to see all options

### Rule

Information only, name for this inbound route

### Active

Displays if rule is active.

Route can be turned off/on

### Date

Date range for rule to be active

### Weekdays

Day of week for rule to be active

### Time

Time for rule to be active

### Profile

Which profile is the rule active

### Pattern

The DDI number you have been sent from the ISP.

For Simplecall this will be the full number beginning with 0

### Target

The Extension number of the user/ Hunt Group/ Queue/ IVR you wish to route the call to.

## Outbound Routes

The outbound routes match the digits you dial to an external trunk.

The Outbound routes setting can be found in Administration/Routes /Outbound routes

### Advanced Options

Enable to see all options

### Rule

Information only, name for this outbound route

### Active

Enable/Disable rule

### Weekdays

Select which day the rule is active

### Time

Select what time the rule is active

### Pattern

Rule	Active	Weekdays	Time	Pattern	Group	Gateway group	Add prefix
sp	<input checked="" type="checkbox"/>	M T W T F S S ☐ ☐ ☐ ☐ ☐ ☐ ☐	00:00 to 24:00	*90*	BH	Simp	

The number dialed

For example all numbers beginning with 0:

^0.\*

For trunk access of 9:

^90.\*

### Group

Permission group allocated to this rule

### Gateway Group

The Gateway group for the call to be presented to up to a maximum of three.

### Add Prefix

Digits to add to the number dialed (local STD), this will be inserted in the SIP gateway dial command if it has {prefix}

## sip.conf File

For correct operation with Simplecall the sip.conf file needs additional configuration

The sip.conf file can be found:

opt/galilei/etc/asterisk/

Under the [general] insert:

externip=<the public IP address>

localnet=<x.x.x.x/x> the local subnet for example localnet=192.168.1.0/24

This amends the SDP message contact information to be the public address for all traffic apart from traffic to the localnet setting

Once you have amended the file either reboot the T640/440 or use the Asterisk CLI and the reload command

```
[general]
;callerid=asterisk                ; default "asterisk"
callerid=galilei                 ; Default context for incoming calls
context=default                 ; Allow or reject guest calls (default is yes)
;allowguest=no                    ;
;allowguest=no                    ; Disable overlap dialing support. (Default is yes)
autocreatepeer=no               ; Disable all transfers (unless enabled in peers or users)
;allowoverlap=no                 ; Default is enabled
;allowtransfer=no                ; Realm for digest authentication
;realm=mydomain.tld              ; defaults to "asterisk". If you set a system name in
;                                ; asterisk.conf, it defaults to that system name
;                                ; Realms MUST be globally unique according to RFC 3261
;                                ; Set this to your host name or domain name

realm=galilei.local              ; UDP Port to bind to (SIP standard port is 5060)
bindport=5060                    ; bindport is the local UDP port that Asterisk will listen on
;udpbindaddr=0.0.0.0             ; IP address to bind UDP listen socket to (0.0.0.0 binds to all)
;                                ; Optionally add a port number, 192.168.1.1:5062 (default is port 5060)

#exec /opt/galilei/etc/asterisk/bindaddr.conf.php sip

externip= Your public IP address
localnet= Your local subnet
```



This is a global setting and will effect all SIP gateways