# Fasttel Door Intecom

## Fasttel Door intercom - Interoperability

**Tested with:** ***Gigaset T300/T500 PRO:*** Software version 4.6.5.0
***Fasttel Wizard Elite***

### Create SIP account in Gigaset T300/T500

Go to: Configuration - Phones - Add additional Telephones

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Use the settings like in the example above. Use the Password generator to create a secure Password

### Open the Fasttel Wizard Elite door intercom web-interface

Go to Advanced Settings

**SIP Server:** IP address of the Gigaset T300/T500

**Outbound Server:** IP address of the Gigaset T300/T500

**SIP User ID:** Telephone name defined in Gigaset T300/T500

**Authenticate ID:** Telephone name defined in Gigaset T300/T500

**Authenticate Password:** Password defined in Gigaset T300/T500

**Send DTMF** Only activate the option via RTP(RFC2833)

**NTP Server** IP address of the Gigaset T300/T500

## Grandstream Device Configuration

STATUS | BASIC SETTINGS | ADVANCED SETTINGS

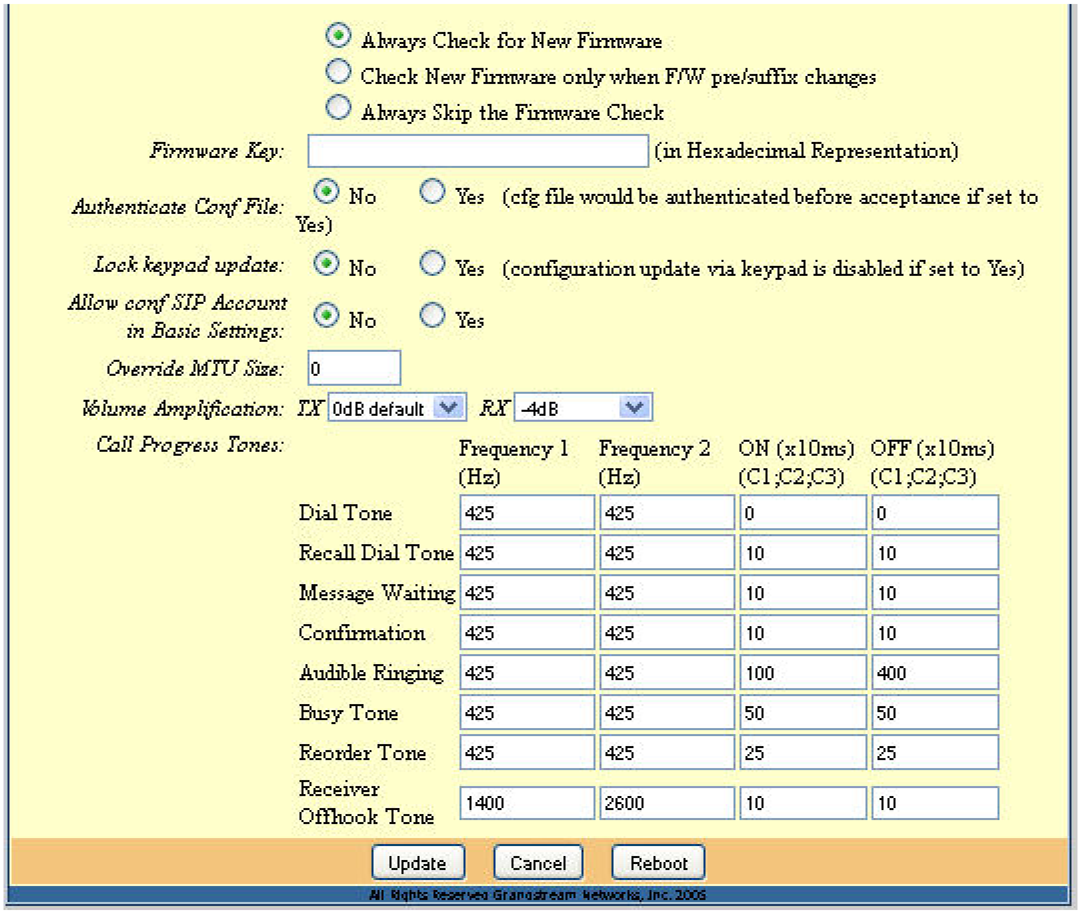
| | | |
|---|---|---|
| **Admin Password:** | | (purposely not displayed for security protection) |
| **SIP Server:** | 192.168.2.10 | (e.g., sip.mycompany.com, or IP address) |
| **Outbound Proxy:** | 192.168.2.10 | (e.g., proxy.myprovider.com, or IP address, if any) |
| **SIP User ID:** | fasttel | (the user part of an SIP address) |
| **Authenticate ID:** | fasttel | (can be identical to or different from **SIP User ID**) |
| **Authenticate Password:** | | (purposely not displayed for security protection) |
| **Name:** | Deurintercom | (optional, e.g., John Doe) |
| **Home NPA:** | | |

*Advanced Options:*

| | | |
|---|---|---|
| *Preferred Vocoder: (in listed order)* | choice 1: | current setting is "PCMA" |
| | choice 2: | current setting is "G723" |
| | choice 3: | current setting is "G723" |
| | choice 4: | current setting is "G729" |
| | choice 5: | current setting is "G726-32" |
| | choice 6: | current setting is "iLBC" |
| | choice 7: | current setting is "PCMU" |

| | |
|---|---|
| *G723 rate:* | (•) 6.3kbps encoding rate ( ) 5.3kbps encoding rate |
| *iLBC frame size:* | (•) 20ms ( ) 30ms |
| *iLBC payload type:* | 97 (between 96 and 127, default is 97) |
| *Silence Suppression:* | (•) No ( ) Yes |
| *Voice Frames per TX:* | 2 (up to 10/20/32/64 for G711/G726/G723/other codecs respectively) |
| *Fax Mode:* | (•) T.38 (Auto Detect) ( ) Pass-Through |
| *Layer 3 QoS:* | 48 (Diff-Serv or Precedence value) |
| *Layer 2 QoS:* | 802.1Q/VLAN Tag 0 802.1p priority value 0 (0-7) |
| *Allow incoming SIP messages from SIP proxy only:* | (•) No ( ) Yes |
| *Use DNS SRV:* | (•) No ( ) Yes |
| *User ID is phone number:* | (•) No ( ) Yes |
| *SIP Registration:* | (•) Yes ( ) No |
| *Unregister On Reboot:* | ( ) Yes (•) No |
| *Register Expiration:* | 3600 (in seconds. default 1 hour, max 45 days) |
| *Early Dial:* | (•) No ( ) Yes (use "Yes" only if proxy supports 484 response) |
| *Allow outgoing call without Registration:* | (•) No ( ) Yes |
| *Dial Plan Prefix:* | (this prefix string is added to each dialed number) |
| *No Key Entry Timeout:* | 1 (in seconds, default is 4 seconds) |
| *Use # as Dial Key:* | ( ) No (•) Yes (if set to Yes, "#" will function as the Dial key) |
| *local SIP port:* | 5060 (default 5060) |
| *local RTP port:* | 5004 (1024-65535, default 5004) |
| *Use random port:* | (•) No ( ) Yes |
| *NAT Traversal:* | (•) No |

| | |
|---|---|
| | Yes, STUN server is: (URI or IP:port) |
| *keep-alive interval:* | 20 (in seconds, default 20 seconds) |
| *Use NAT IP* | (used in SIP/SDP message if specified) |
| *Proxy-Require:* | |
| *SUBSCRIBE for MWI:* | No, do not send SUBSCRIBE for Message Waiting Indication<br>Yes, send periodical SUBSCRIBE for Message Waiting Indication |
| *Offhook Auto-Dial:* | (User ID/extension to dial automatically when offhook) |
| *Enable Call Features:* | No Yes (if Yes, Call Forwarding & Call-Waiting-Disable are supported locally) |
| *Use Bell-style 3-way Conference:* | No Yes (if Yes, *23 will be disabled) |
| *Disable Call-Waiting:* | No Yes |
| *Send DTMF:* | in-audio via RTP (RFC2833) via SIP INFO |
| *DTMF Payload Type:* | 101 |
| *Send Flash Event:* | No Yes (Flash will be sent as a DTMF event if set to Yes) |
| *Onhook Threshold:* | 800 ms |
| *FXS Impedance:* | 600 Ohm (North America) |
| *Caller ID Scheme:* | ETSI-FSK (France, Germany, Norway, Taiwan, UK-CCA) |
| *Onhook Voltage:* | 36V |
| *Polarity Reversal:* | No Yes (reverse polarity upon call establishment and termination) |
| *NTP Server:* | 192.168.2.10 (URI or IP address) |
| *Send Anonymous:* | No Yes (caller ID will be blocked if set to Yes) |
| *Anonymous Method:* | Use From Header Use Privacy Header |
| *Time to ring:* | 60 seconds |
| *Special Feature:* | Standard |
| *Syslog Server:* | |
| *Syslog Level:* | NONE |
| *Session Expiration:* | 180 (in seconds. default 180 seconds) |
| *Min-SE:* | 90 (in seconds. default and minimum 90 seconds) |
| *Caller Request Timer:* | Yes No (Request for timer when making outbound calls) |
| *Callee Request Timer:* | Yes No (When caller supports timer but did not request one) |
| *Force Timer:* | Yes No (Use timer even when remote party does not support) |
| *UAC Specify Refresher:* | UAC UAS Omit (Recommended) |
| *UAS Specify Refresher:* | UAC UAS (When UAC did not specify refresher tag) |
| *Force INVITE:* | Yes No (Always refresh with INVITE instead of UPDATE) |
| *Firmware Upgrade and Provisioning:* | Upgrade Via TFTP HTTP<br>Firmware Server Path: 192.168.13.200<br>Config Server Path: fm.grandstream.com/gs<br>Firmware File Prefix: Firmware File Postfix:<br>Config File Prefix: Config File Postfix:<br>Automatic Upgrade:<br>No Yes, check for upgrade every 10080 minutes (default 7 days) |




**Basic Settings**

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**Status**

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## Gigaset User account.

Without a Gigaset user account, the door intercom can be used to dial an internal number. Incoming and Outgoing calls are not possible.

Incoming calls to the door intercom are only possible when the door intercom is assigned to a user.

In the Gigaset T300/T500 Go to: Configuration - Users and create a new user, only to be used for the door intercom (user license)

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## Programming the Fasttel using DTMF.

Call the extension number of the Doorintercom.

The Fasttel will answer the call and will play DTMF tones.

Then you enter the programming access code: *1996*

But, the Gigaset T300/T500 already uses the code *1 for Call recording. This means when you press *1996*, directly after the *1, the PBX will start recording the call and you will not be able to enter the programming mode. You need to change the *1 code in the Gigaset T300/T500 to an other code.

How to change the *1 code.

- Login the PBX using SSH.
- Go to the directory /home/asterisk
- Open the file features.conf and change the automon => *1 to *4
- Restart the PBX services to activate your chang

```
[featuremap]

blindxfer => NONEXISTINGEXTENSION1 ; Blind transfer, default is #

;disconnect => *0              ; Disconnect

automon => *4                  ; One Touch Record

;atxfer => *2                  ; Attended transfer
```

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- Fasttel Door intercom - Interoperability
  - Create SIP account in Gigaset T300/T500
  - Open the Fasttel Wizard Elite door intercom web-interface
  - Gigaset User account.
  - Programming the Fasttel using DTMF.