

# *How to connect gsm gateway with FreePBX*

## — configured environment

1. IP --- GSM gateway: 192.168.1.17    FreePBX: 192.168.1.120
2. SIP Port --- GSM gateway: 5060      FreePBX: 5060
3. Connection method: peer-to-peer (ip-to-ip / unregister)

## 二 configuration

### 2.1 Call Configuration on FreePBX

#### 1. SIP Configuration on FreePBX

host=192.168.1.17

username=1002

secret=1002

port=5060

type=friend

context=from-trunk

**Edit Trunk**

In use by 1 route

General    Dialed Number Manipulation Rules    sip Settings

Outgoing    Incoming

Trunk Name

PEER Details

```
host=192.168.1.17
username=1002
secret=1002
port=5060
type=friend
context=from-trunk
```

Submit    Duplicate    Reset    Delete

#### 2. Outbound and Inbound rules on FreePBX

Edit Route: GSM-OUT: GSM-OUT

Route Settings | Dial Patterns | Import/Export Patterns | Additional Settings

Route Name: GSM-OUT

Route CID: [ ]

Override Extension: Yes No

Route Password: [ ]

Route Type: Emergency Intra-Company

Music On Hold?: default

Time Match Time Zone: Use System Timezone

Time Match Time Group: ---Permanent Route---

Route Position: ---No Change---

Trunk Sequence for Matched Routes: + 1002

Optional Destination on Congestion: Normal Congestion

Submit Duplicate Reset Delete

Note: Extension Routes is not registered

Outbound Routes

Edit Route: GSM-OUT: GSM-OUT

Route Settings | Dial Patterns | Import/Export Patterns | Additional Settings

Dial Patterns that will use this Route

Pattern Help +

prefix: 9

Dial patterns wizards

prepend | 9 | . | CallerID +

prepend | prefix | match pattern | CallerID +

Submit Duplicate Reset Delete

Inbound Routes

Route: GSM-IN

Edit Extension 8001 (8001)

General | Advanced | Privacy | Fax | Other

Description: GSM-IN

DID Number: 8001

CallerID Number: ANY

CID Priority Route: Yes No

Alert Info: None

Ringer Volume Override: None

CID name prefix: [ ]

Music On Hold: Default

Set Destination: Extensions  
8001 8001

Submit Reset Delete

## 2.2 Call Configuration on GSM gateway

### 1.SIP configuration on GSM gateway

**Edit SIP Endpoint "1002"**

▼ Main Endpoint Settings

Name:	<input type="text" value="1002"/>
User Name:	<input type="text" value="1002"/> <input type="checkbox"/> Anonymous
Password:	<input type="password" value="...."/>
Registration:	None ▼
Hostname or IP Address:	<input type="text" value="192.168.1.120"/>
Transport:	UDP ▼
NAT Traversal:	Yes ▼

### 2.Outbound rules and Inbound rules on GSM gateway

**VoxStack** WIRELESS GATEWAY

SYSTEM | MODULE | VOIP | **ROUTING** | SMS | NETWORK | ADVANCED | LOGS

Call Routing Rules | Groups | MNP Settings

**ROUTING** DETAILS

**Free Communication** OpenVox Solution

**Modify a Call Routing Rule**

▼ Call Routing Rule

Routing Name:	<input type="text" value="freepbx-out"/>
Call Comes in From:	1002 ▼
Send Call Through:	gsm-1.1 ▼

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**ROUTING** DETAILS

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**Modify a Call Routing Rule**

▼ Call Routing Rule

Routing Name:	<input type="text" value="freepbx-in"/>
Call Comes in From:	gsm-1.1 ▼
Send Call Through:	1002 ▼

▼ Advance Routing Rule

Dial Patterns that will use this Route

(prepend) + prefix | match pattern / Callerid ✕

+ Add More Dial Pattern Fields

Time Patterns that will use this Route

Time to start: - : -

Week Day start: -

Month Day start: -

Month start: -

Time to finish: - : -

Week Day finish: -

Month Day finish: -

Month finish: -

+ Add More Time Pattern Fields

Change Rules

Set the Caller ID Name to

Set the Caller ID Number to

Forward Number 10086

Custom Context

Random Delay: OFF

Match DID on your FreePBX

