Elastix Server(Free) with MV-374

Voip GSM Gateway

This is the configuration setting up Elastix with PORTech gateways

1. IP Setting

Elastix Server
IP Address : 192.168.0.6
Incoming port : 5060

Firmware : 2.4.0

MV-374 GSM Gateway
IP address : 192.168.0.100
Dialpeer port : 5060
Mobile_1 sip port :5064
Mobile_2 sip port :5066
Mobile_3 sip port :5068
Mobile_4 sip port :5070

Firmware : V10.206

SJ-phone
Register the Soft phone to Elastix Server Extension: 6000

2. Application example

Outbound:

The example is to register SJ-phone to Elastix Server Extension: 6000.
After registration, please enter any destination number and dial out via Elastix server to MV-374.
Then please select any free GSM channel from MV-374 Dial Peer to dial out.

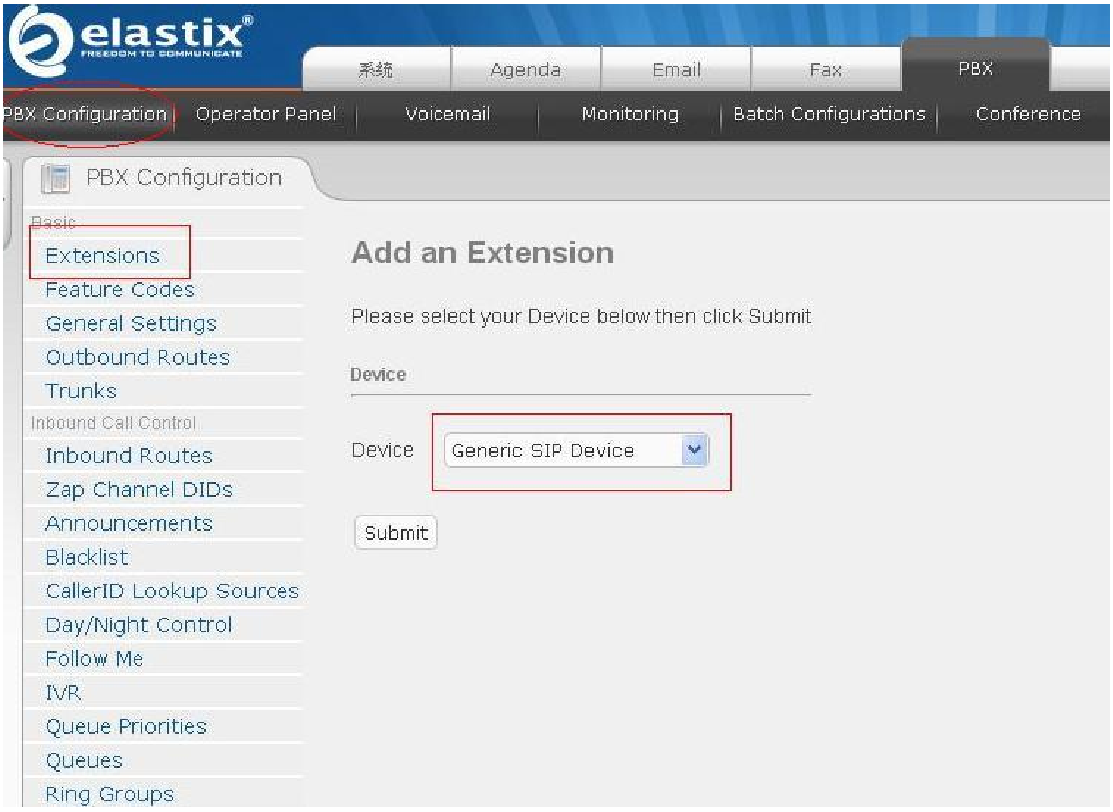
Inbound

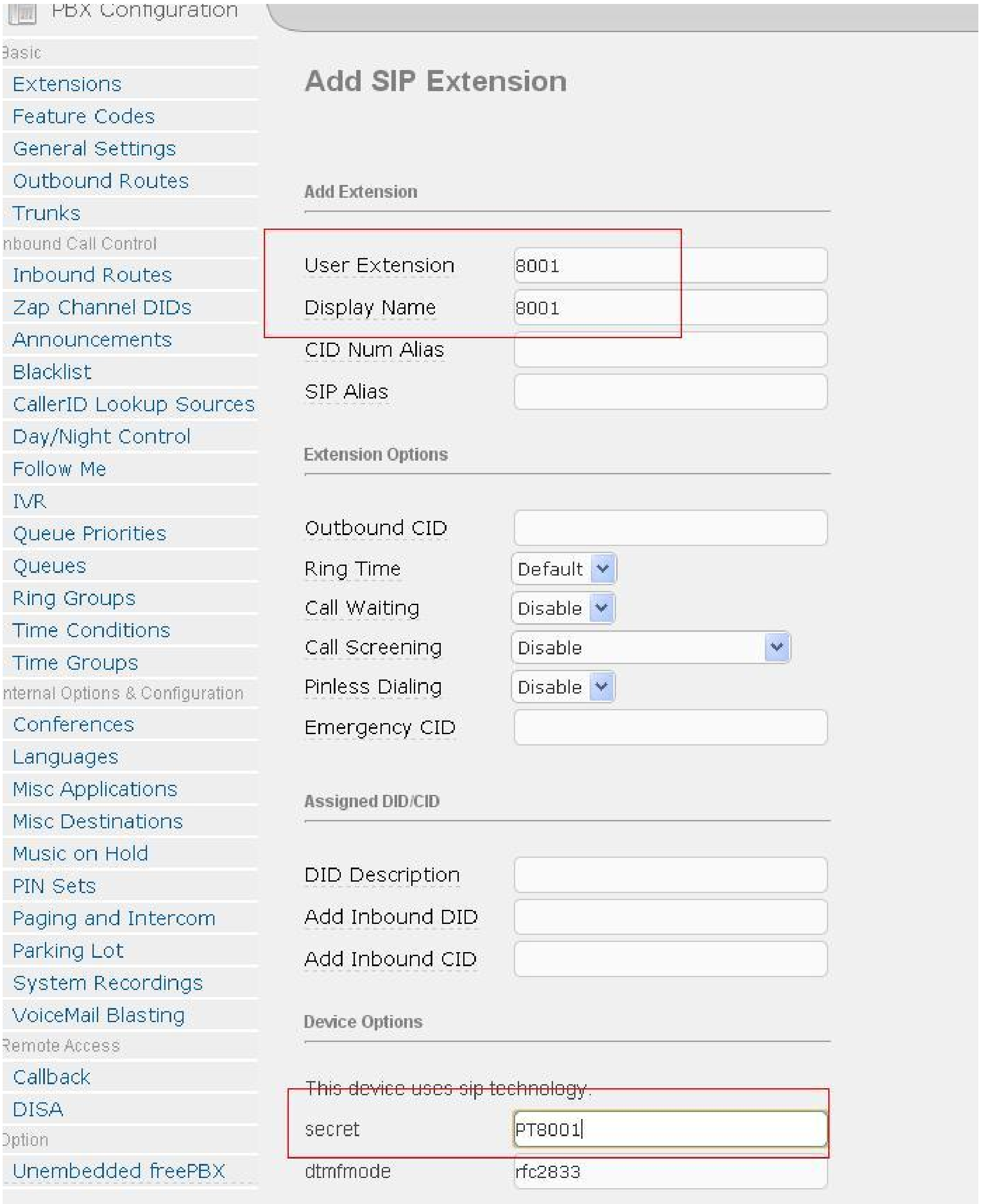
User use cell phone or land line to dial out any GSM number of MV-374.
MV-374 route the call via Elastix server Extension 6000 (SJ-phone) and Extension 6000 (SJ-phone) will ring and show the cell phone number or caller ID of land line

3. Elastix Server setup

Step1. Add an Extension

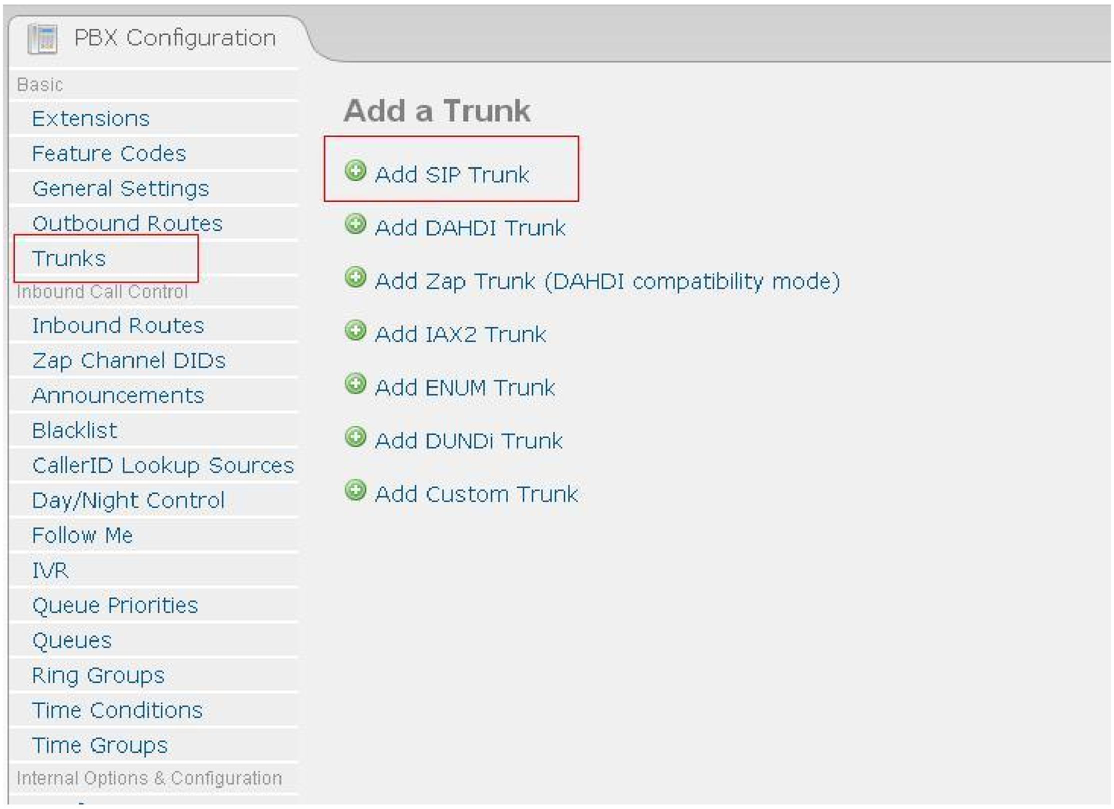
E.g. We create 5 Extension on Elastix server: "6000" "8001" "8002" "8003" "8004",
Please follow below diagram as Extension 8001
The main setting is showed in red circle; other settings are not necessary

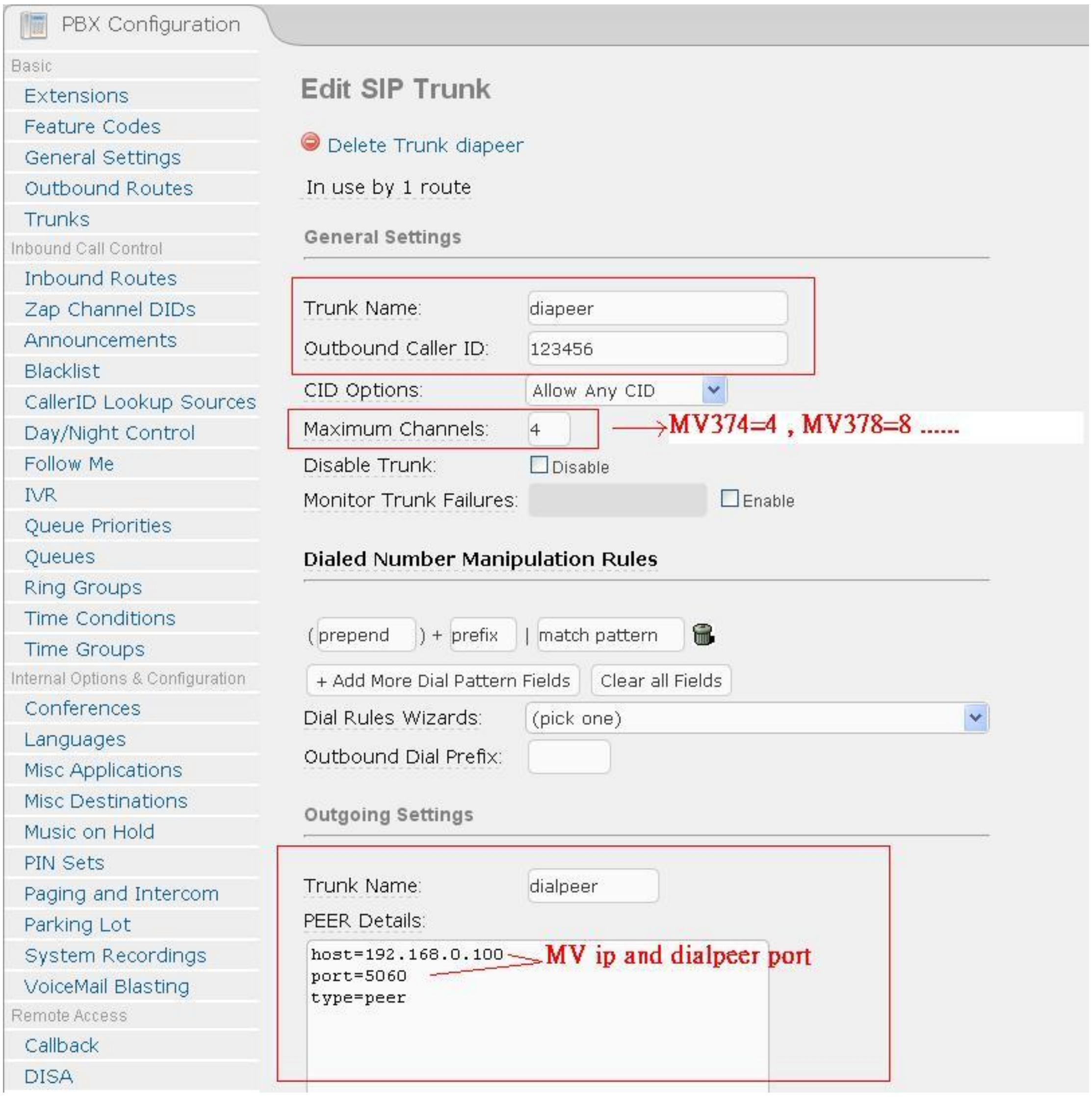




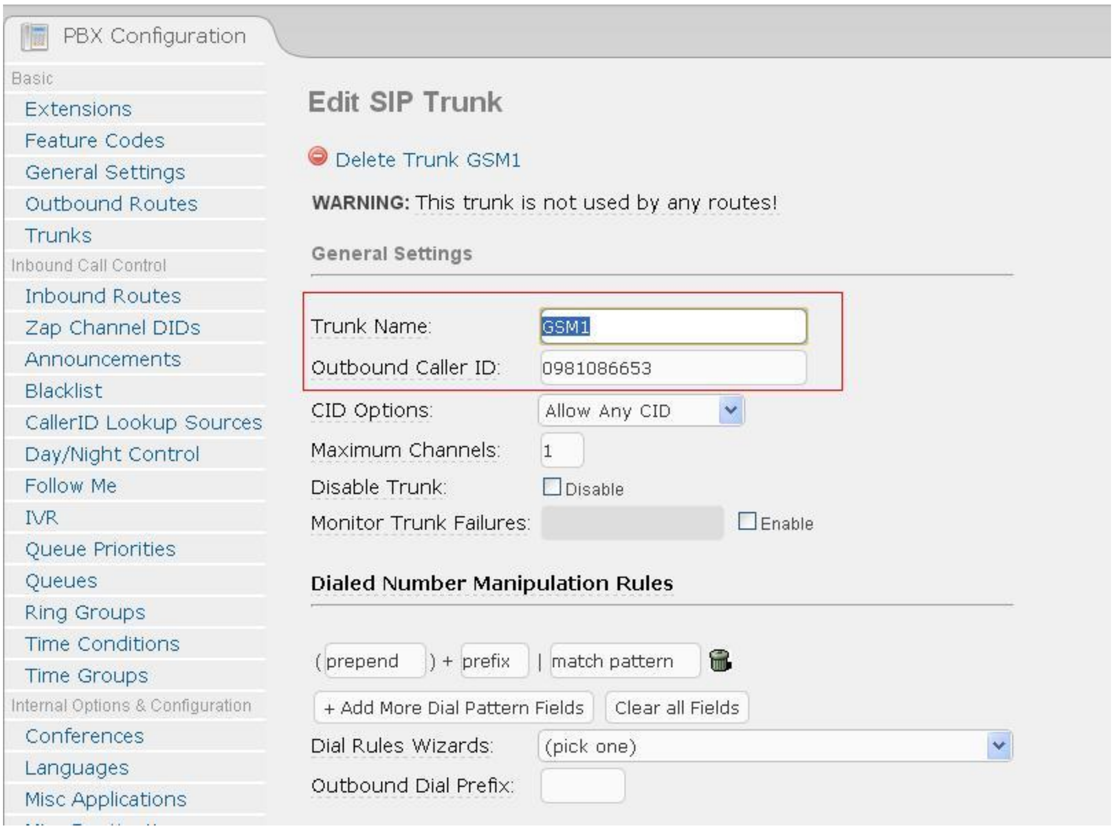
The following Extension setting (”8002” “8003” “8004” and ”6000”) is same as above setup.

Step2. Add a trunk



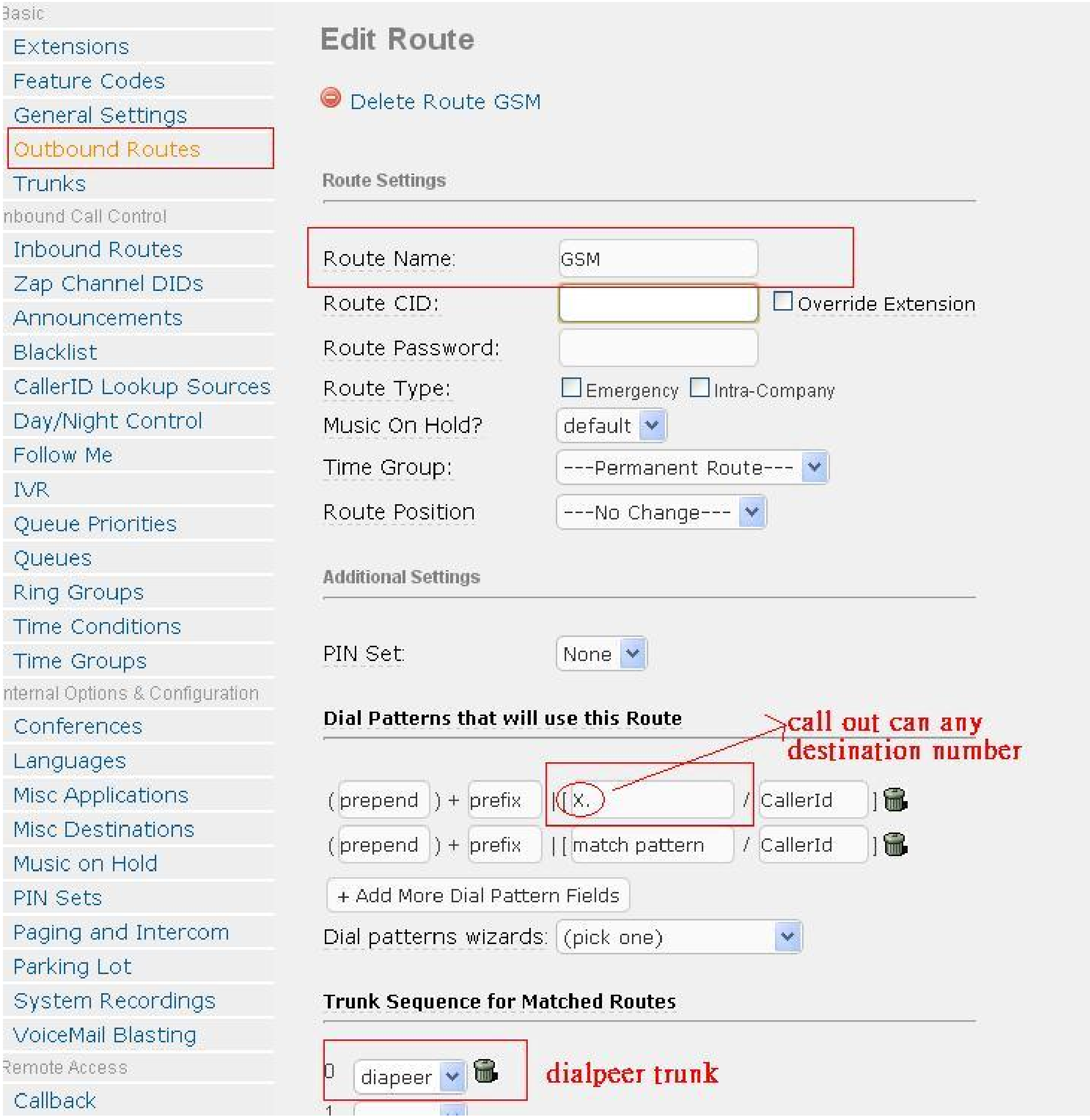

PBX Configuration
Basic
Extensions
Feature Codes
General Settings
Outbound Routes
Trunks
Inbound Call Control
Inbound Routes
Zap Channel DIDs
Announcements
Blacklist
CallerID Lookup Sources
Day/Night Control
Follow Me
IVR
Queue Priorities
Queues
Ring Groups
Time Conditions
Time Groups
Internal Options & Configuration
Conferences
Languages
Misc Applications
Misc Destinations
Music on Hold
PIN Sets
Paging and Intercom
Parking Lot
System Recordings
VoiceMail Blasting
Remote Access
Callback
DISA
Edit SIP Trunk
Delete Trunk diapeer
In use by 1 route
General Settings
Trunk Name: diapeer
Outbound Caller ID: 123456
CID Options: Allow Any CID
Maximum Channels: 4
MV374=4 , MV378=8 ......
Disable Trunk: Disable
Monitor Trunk Failures: Enable
Dialed Number Manipulation Rules
(prepend) + prefix | match pattern
+ Add More Dial Pattern Fields
Clear all Fields
Dial Rules Wizards: (pick one)
Outbound Dial Prefix:
Outgoing Settings
Trunk Name: dialpeer
PEER Details:
host=192.168.0.100
port=5060
type=peer
MV ip and dialpeer port

MV-374 is 4 ports GSM channels, and it require to be 4 GSM trunk (GSM 1, GSM 2, GSM3, GSM4)



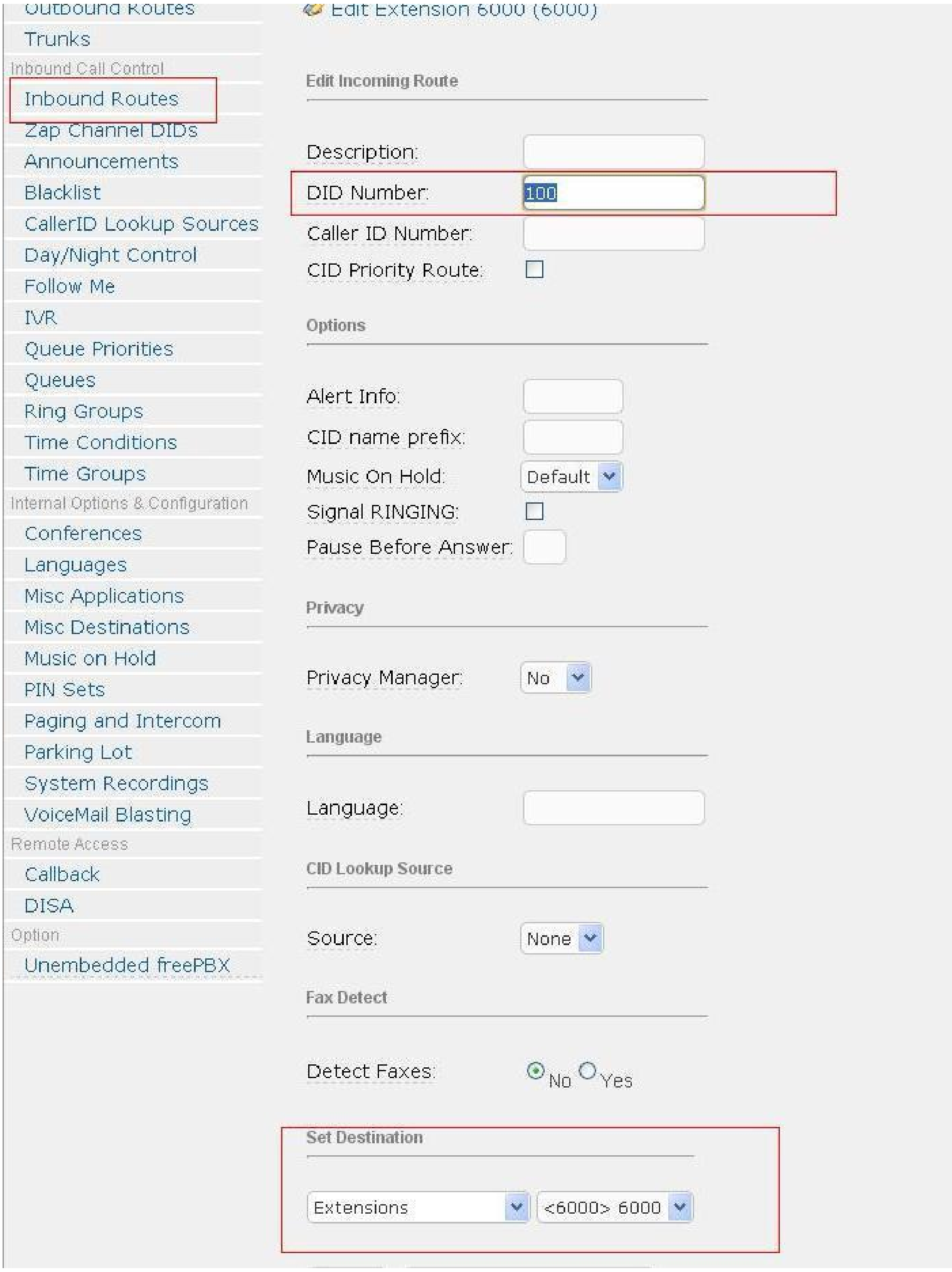
The following trunk setting (GSM2, GSM3 and GSM4) is same as above setup.

Step3. Outbound Routes



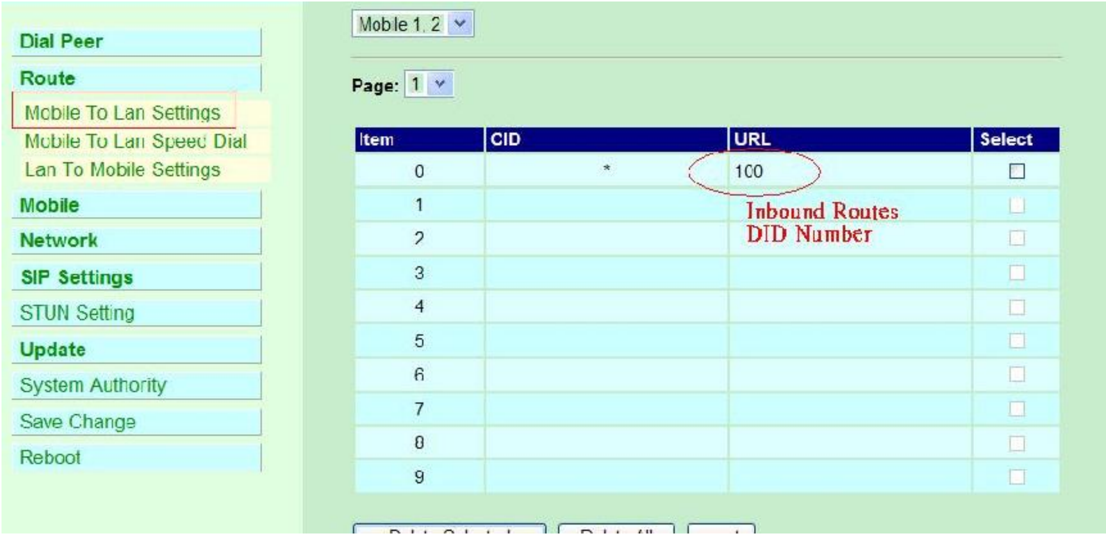
Step4. Inbound Routes

a. DID Number : 100
b. Set destination to Extension 6000

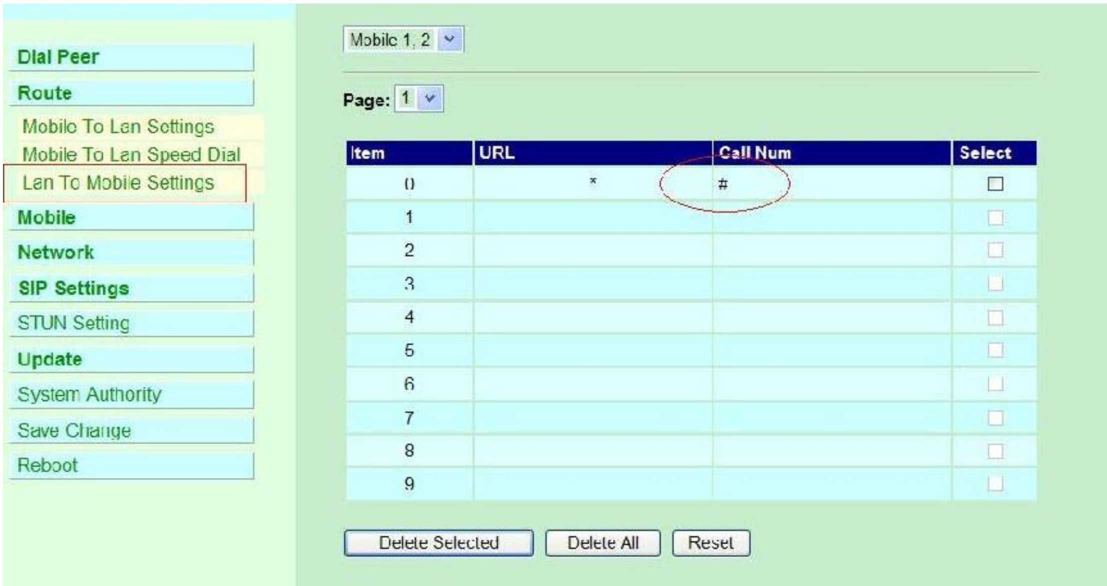


4. MV-374 GSM Gateway Setup

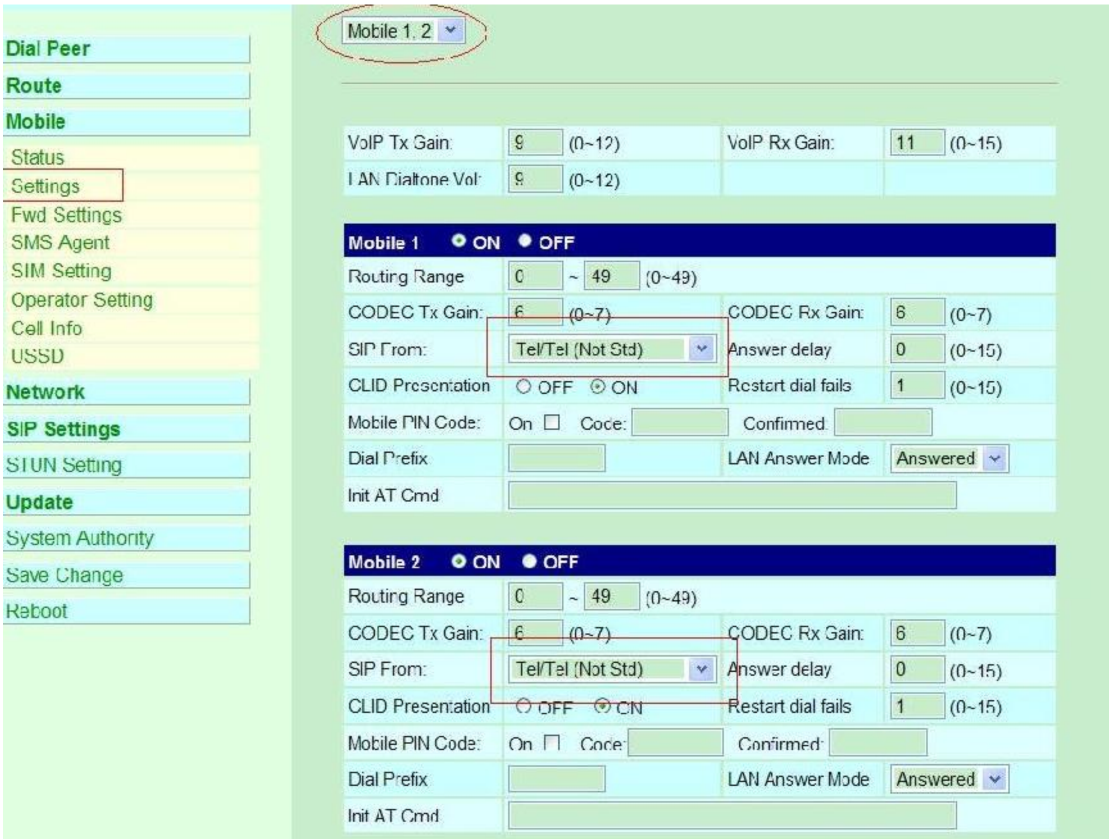
Step1. Mobile to Lan Settings

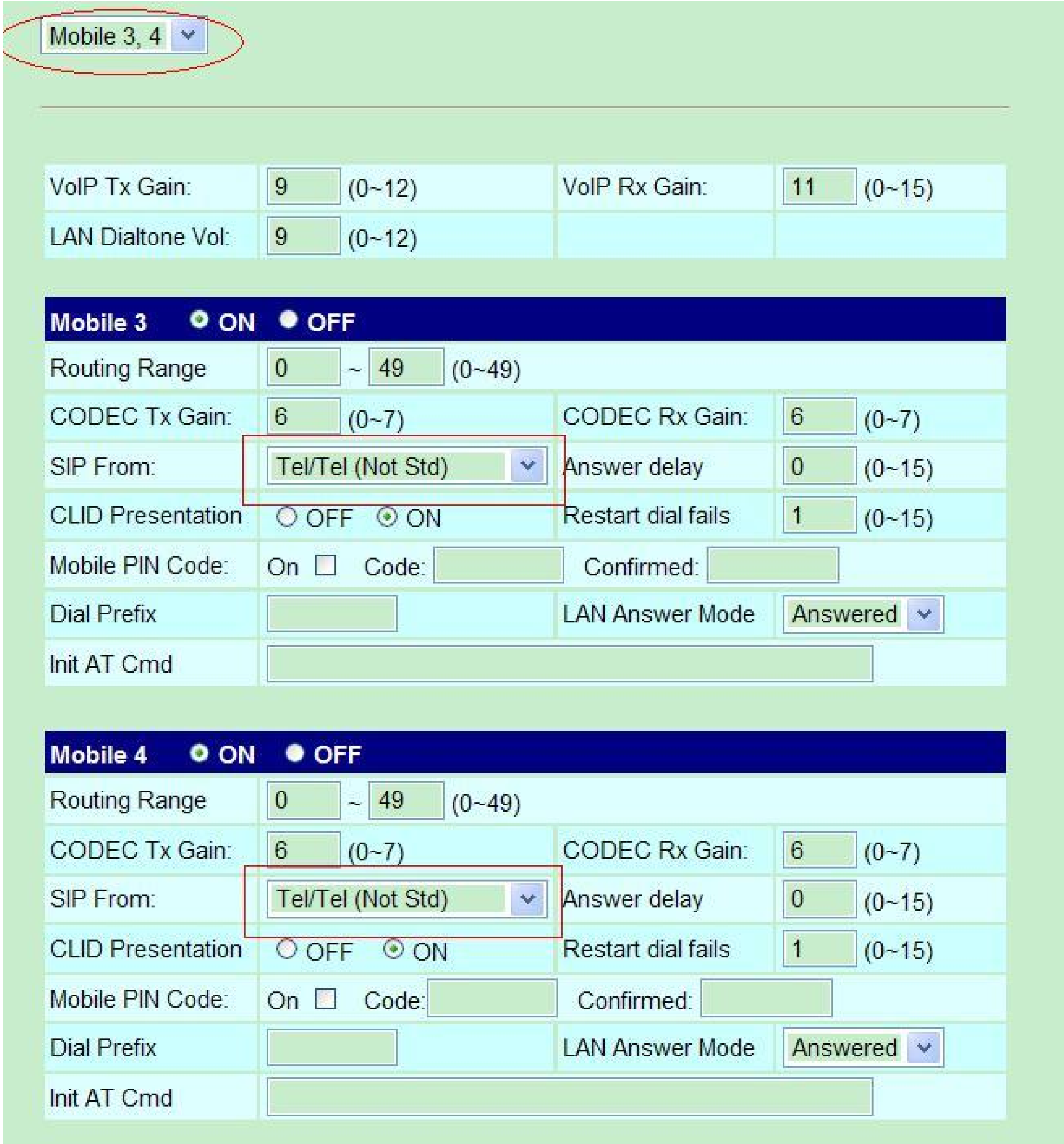


Step2. Lan to Mobile Route



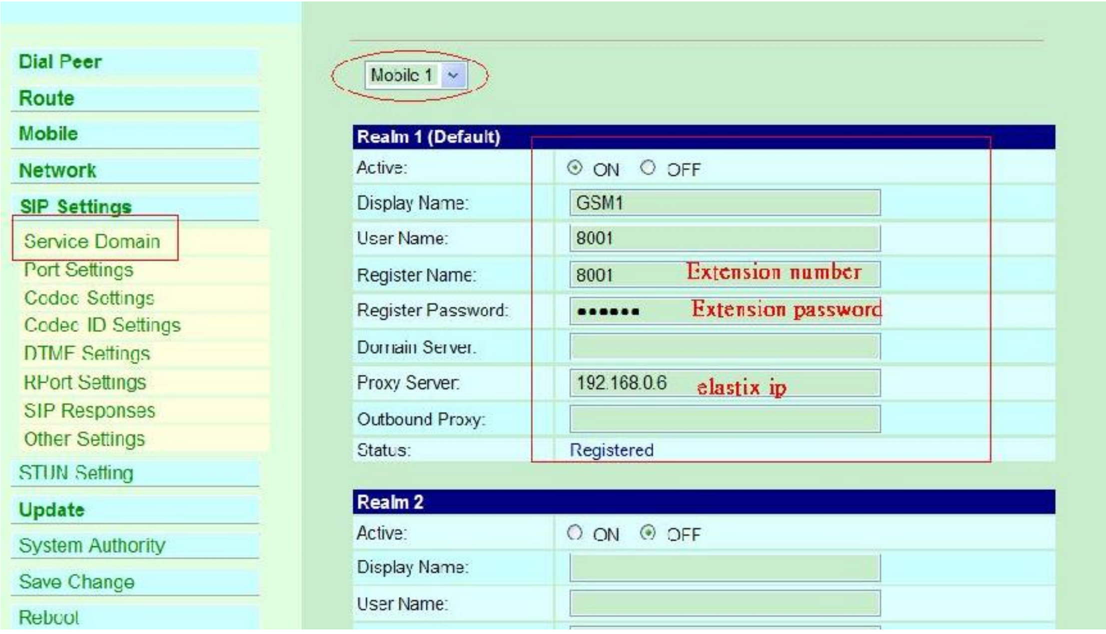
Step3. On mobile 1, 2, 3, 4, please edit the SIP From to ”Tel/Tel(Not Std)

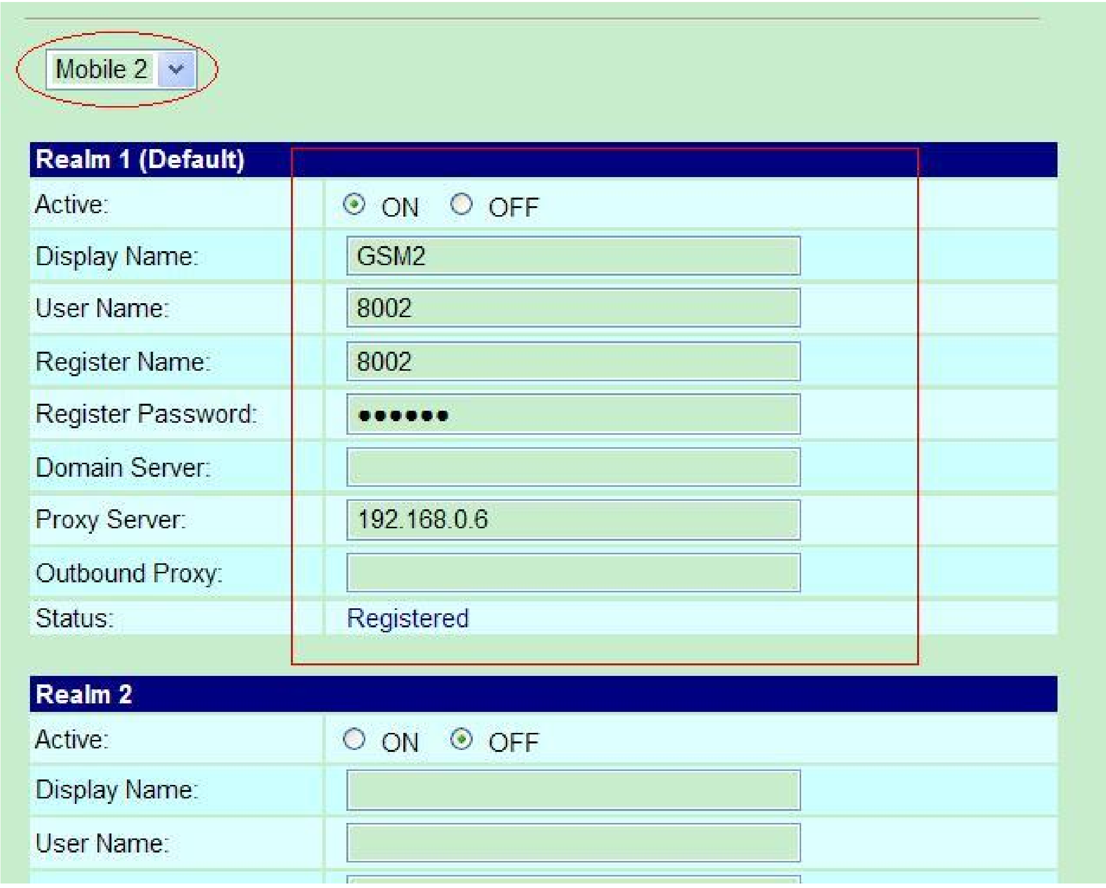


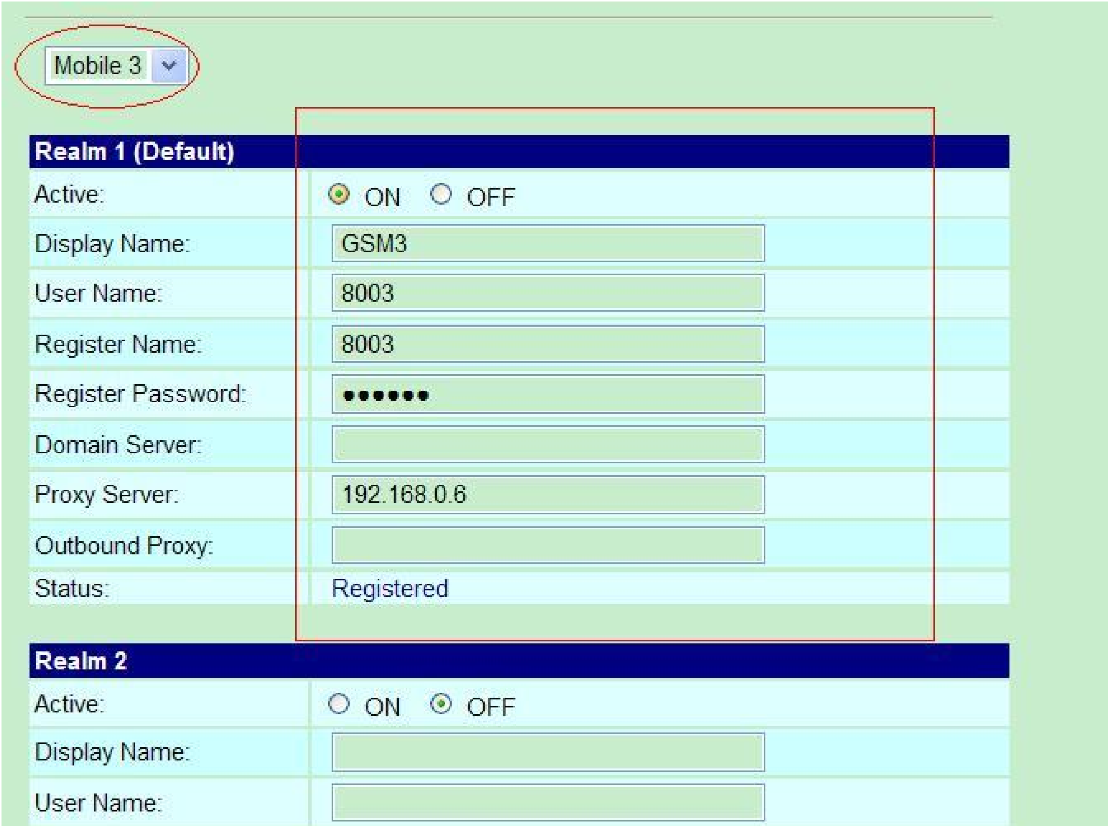

Mobile 3, 4
VoIP Tx Gain: 9 (0~12)
VoIP Rx Gain: 11 (0~15)
LAN Dialtone Vol: 9 (0~12)
Mobile 3 ON OFF
Routing Range 0 ~ 49 (0~49)
CODEC Tx Gain: 6 (0~7)
CODEC Rx Gain: 6 (0~7)
SIP From: Tel/Tel (Not Std)
Answer delay 0 (0~15)
CLID Presentation OFF ON
Restart dial fails 1 (0~15)
Mobile PIN Code: On Code: Confirmed:
Dial Prefix
LAN Answer Mode Answered
Init AT Cmd
Mobile 4 ON OFF
Routing Range 0 ~ 49 (0~49)
CODEC Tx Gain: 6 (0~7)
CODEC Rx Gain: 6 (0~7)
SIP From: Tel/Tel (Not Std)
Answer delay 0 (0~15)
CLID Presentation OFF ON
Restart dial fails 1 (0~15)
Mobile PIN Code: On Code: Confirmed:
Dial Prefix
LAN Answer Mode Answered
Init AT Cmd

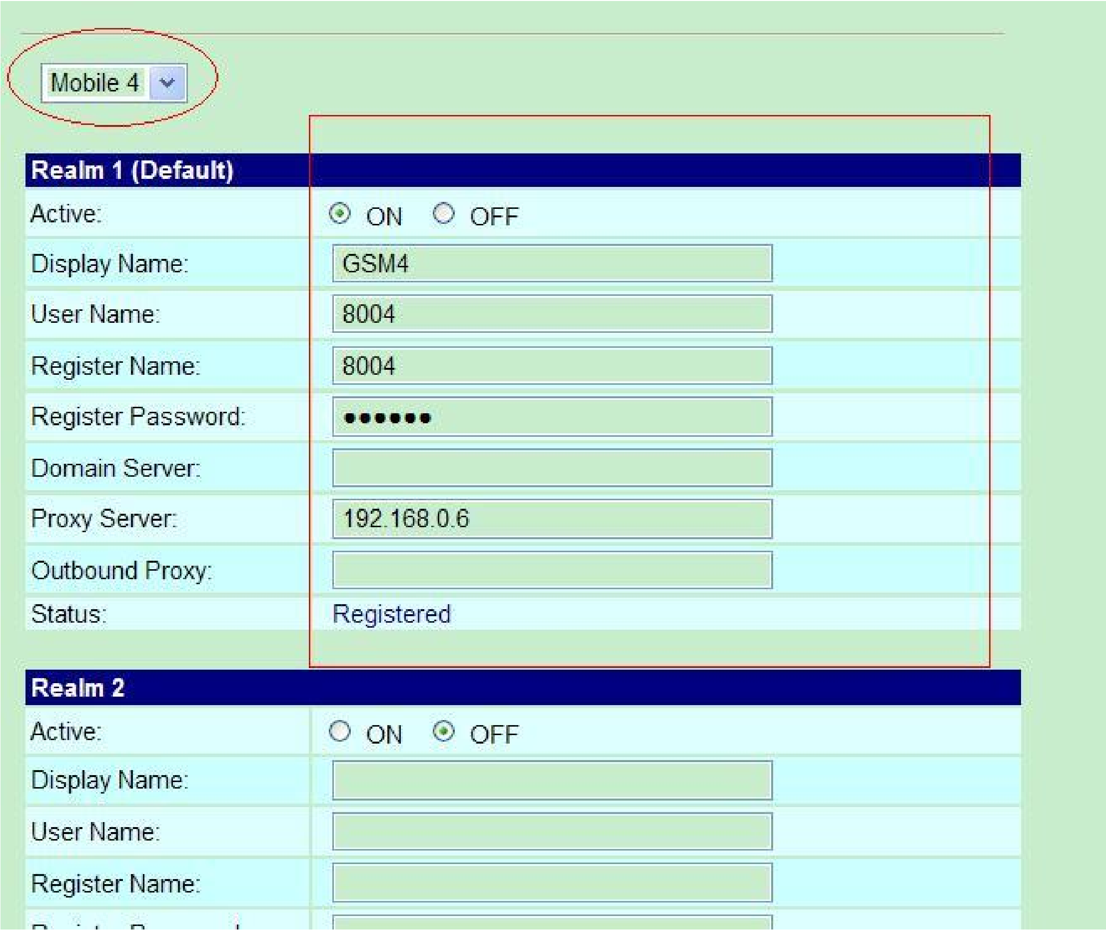
Step 4 . SIP Settings

On service domain, please register the Elastix server Extension to “8001” “8002” “8003” “8004”






Mobile 3
Realm 1 (Default)
Active: ON OFF
Display Name: GSM3
User Name: 8003
Register Name: 8003
Register Password: ●●●●●●
Domain Server:
Proxy Server: 192.168.0.6
Outbound Proxy:
Status: Registered
Realm 2
Active: ON OFF
Display Name:
User Name:


Mobile 4
Realm 1 (Default)
Active:
ON
OFF
Display Name:
GSM4
User Name:
8004
Register Name:
8004
Register Password:
Domain Server:
Proxy Server:
192.168.0.6
Outbound Proxy:
Status:
Registered
Realm 2
Active:
ON
OFF
Display Name:
User Name:
Register Name: