

# INTERRA

## INTERRA SIP SERVER INSTRUCTION MANUAL



INTERRA

## OVERVIEW

This guide includes required information for installation and making the settings of Sip Server product. Please read this manual carefully before using the program.

In case those information are ignored, please do not forget that Yonnet Bilisim shall not accept any reliability, and the device shall not be covered by the warranty.

Please keep your User Manual since it is an crucial source for the reliably and securely use of your device.

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## 1 USER LOGIN

It is enough to write server ip in order to login Interra Sip Server. When Interra Sip Server interface is appeared, a user name and password is requested from you.

Default values:

**Username** : admin

**Password** : yonnet

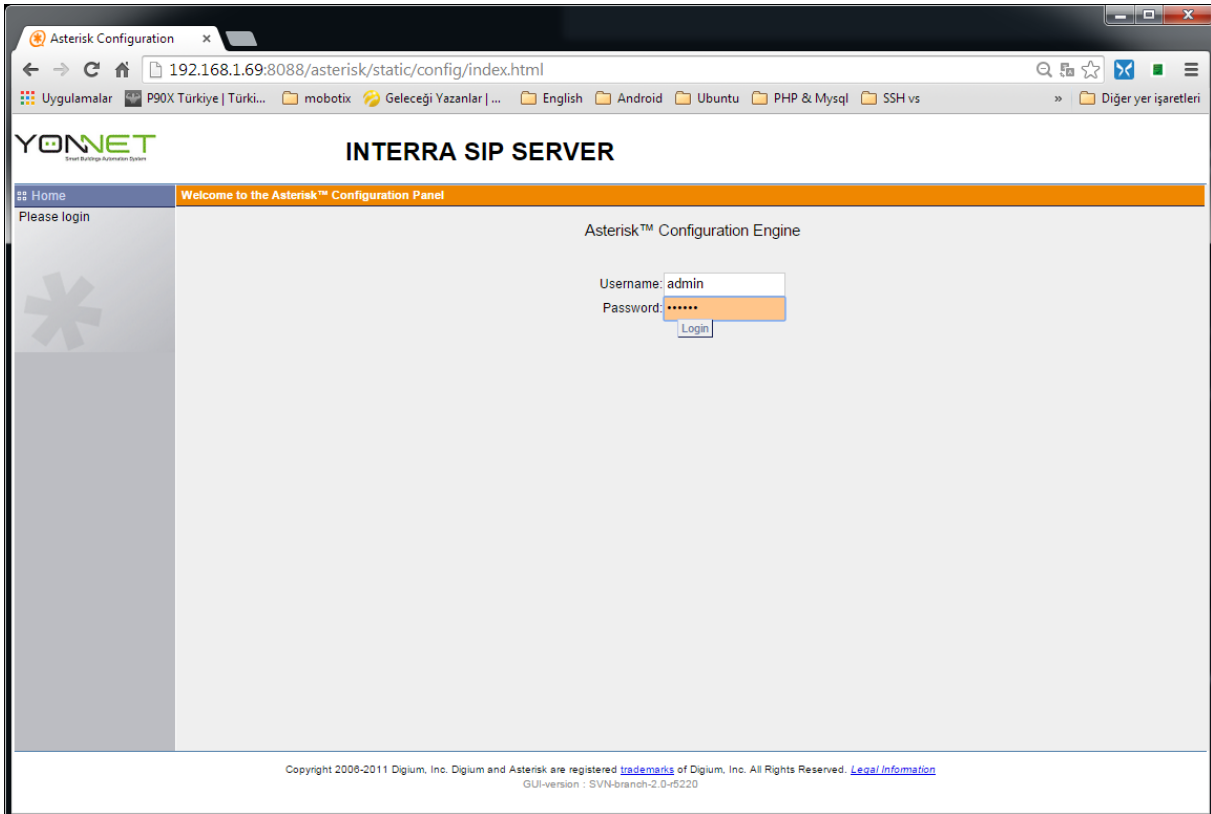


Figure 1 Interra Sip Server User Login

## 2 HOME PAGE– WELCOME SCREEN

You will be directed to System Status screen after login with username and password. You can see logged in users in sip server and their status in this screen.

The screenshot displays the 'System Status' page of the Interra SIP Server. The page is titled 'INTERRA SIP SERVER' and includes a navigation menu on the left. The main content area is divided into several sections:

- Trunks:** A table with columns for Status, Trunk, Type, Username, and Port/Hostname/IP.
- Extensions:** A table with columns for Extension, Name/Label, Status, and Type. The status column includes a legend: Free (green), Ringing (orange), Busy (red), and UnAvailable (grey).
- Queues:** A section with a dropdown menu.
- Conference Rooms:** A section with a dropdown menu.
- Parking Lot:** A section with a dropdown menu and a table for No Parked Calls.
- System Info:** A section with tabs for General, Network, Memory, and Disk. It displays system details such as Hostname, OS Version, Asterisk Build, Server Date & Timezone, and Uptime.

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Figure 2 Home Page

## 3 NETWORK

You will see NETWORK button enabling you to make network settings, on upper right corner of Home Page. You can change ip address, net mask, gateway and dns settings of sip server from network screen. Device should be restarted after modifications are performed.

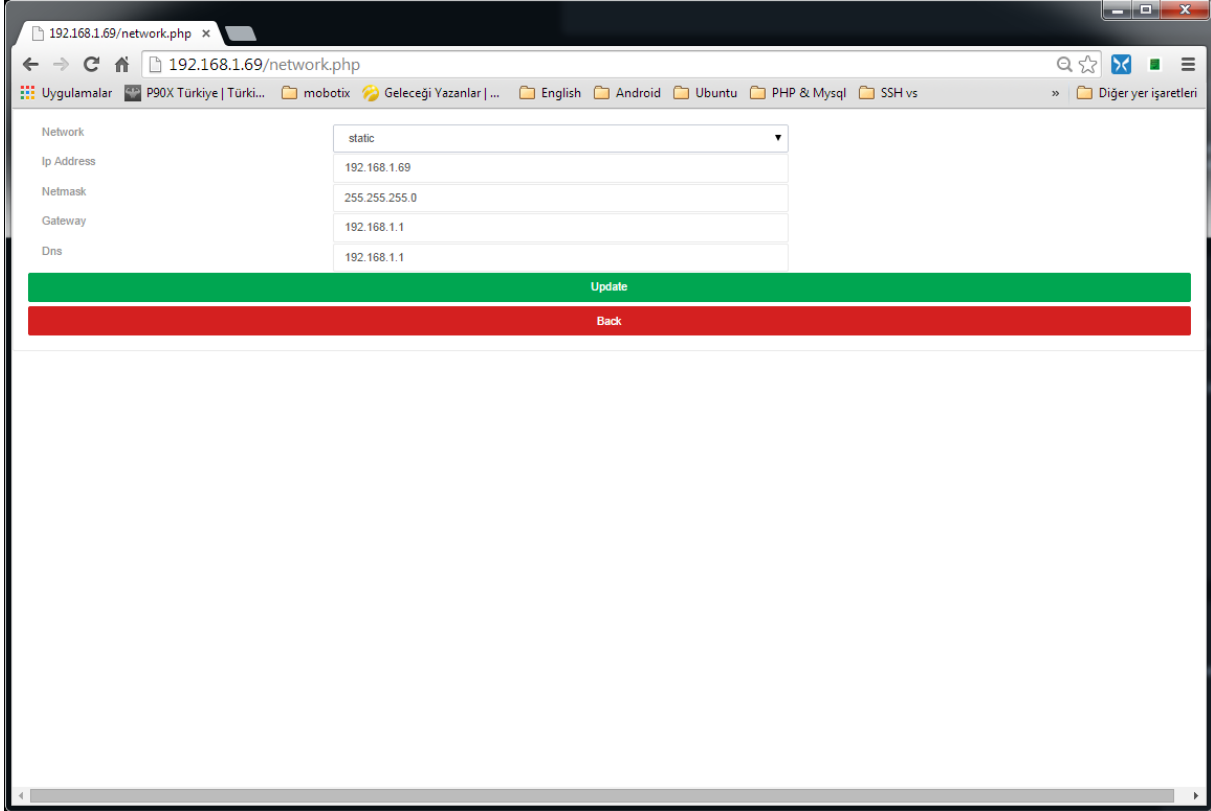


Figure 3 Network Settings

## 4 USERS

When you enter Users from left menu, you will see previously created users. You can add new users, edit or delete existing users in this screen.

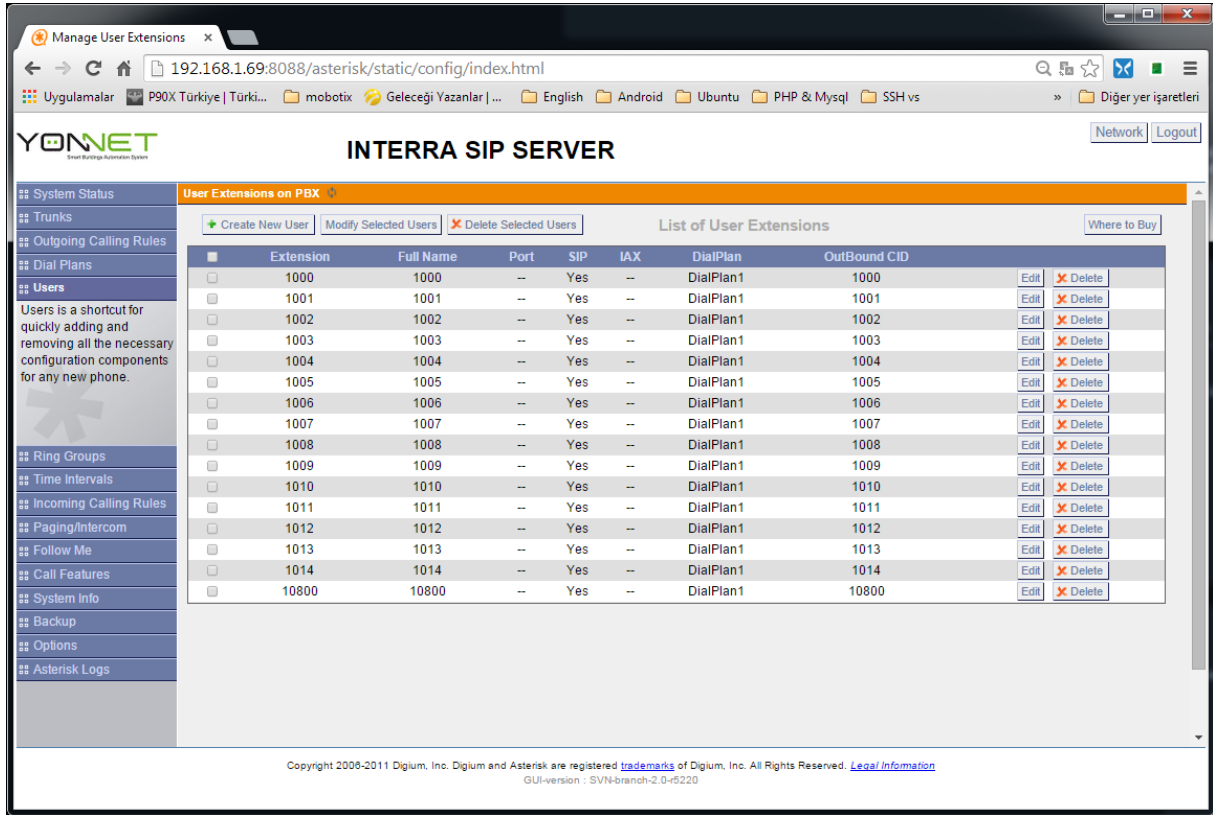


Figure 4 User Screen

Add New User page is displayed with Create New User button. You will have to fill the fields specified below.

Extension: User ID

CallerId Name : User name

CallerId No : User no

SIP : Active/Inactive status of SIP Protocol Make it active.

IAX : Active/Inactive status of IAX Protocol Make it inactive.

Codec Preference : Displays active codecs.

MAC Address : Mac adress of user. User no could be entered.

SIP/IAX Password : User's password.



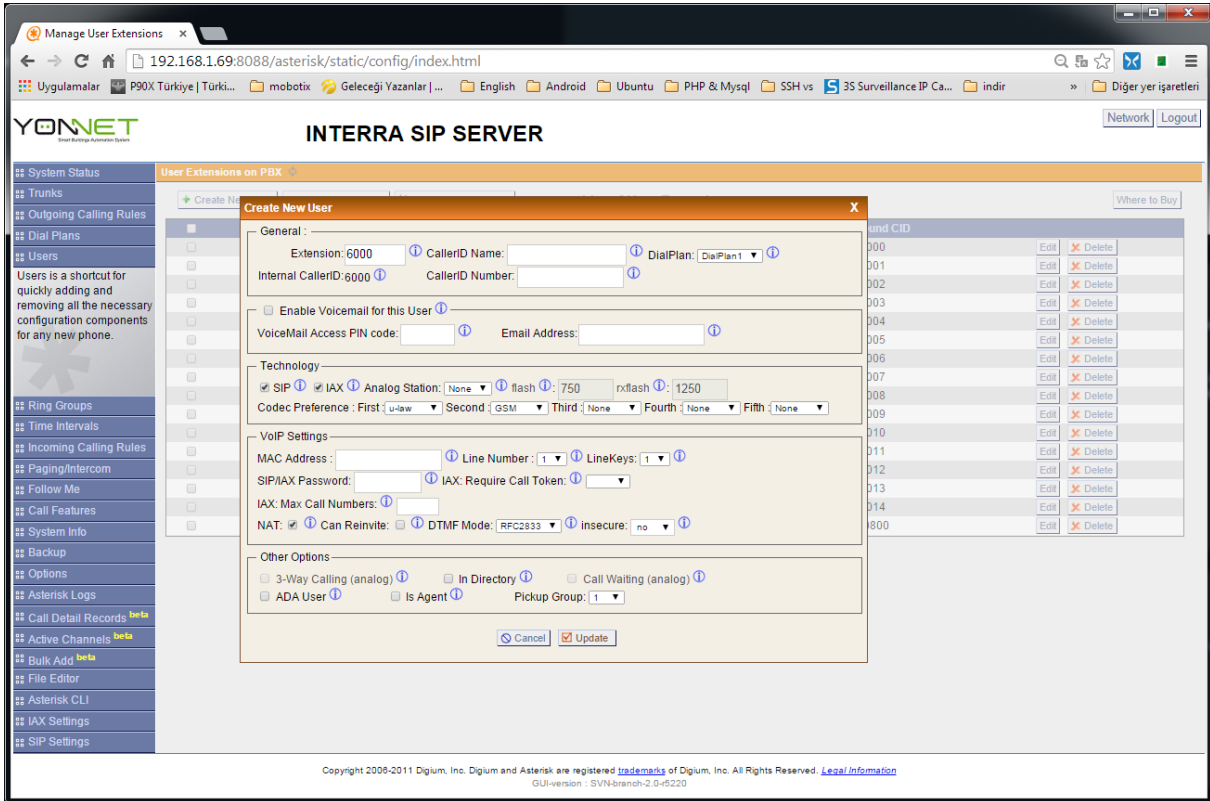


Figure 5 New User

An Example of User Settings:

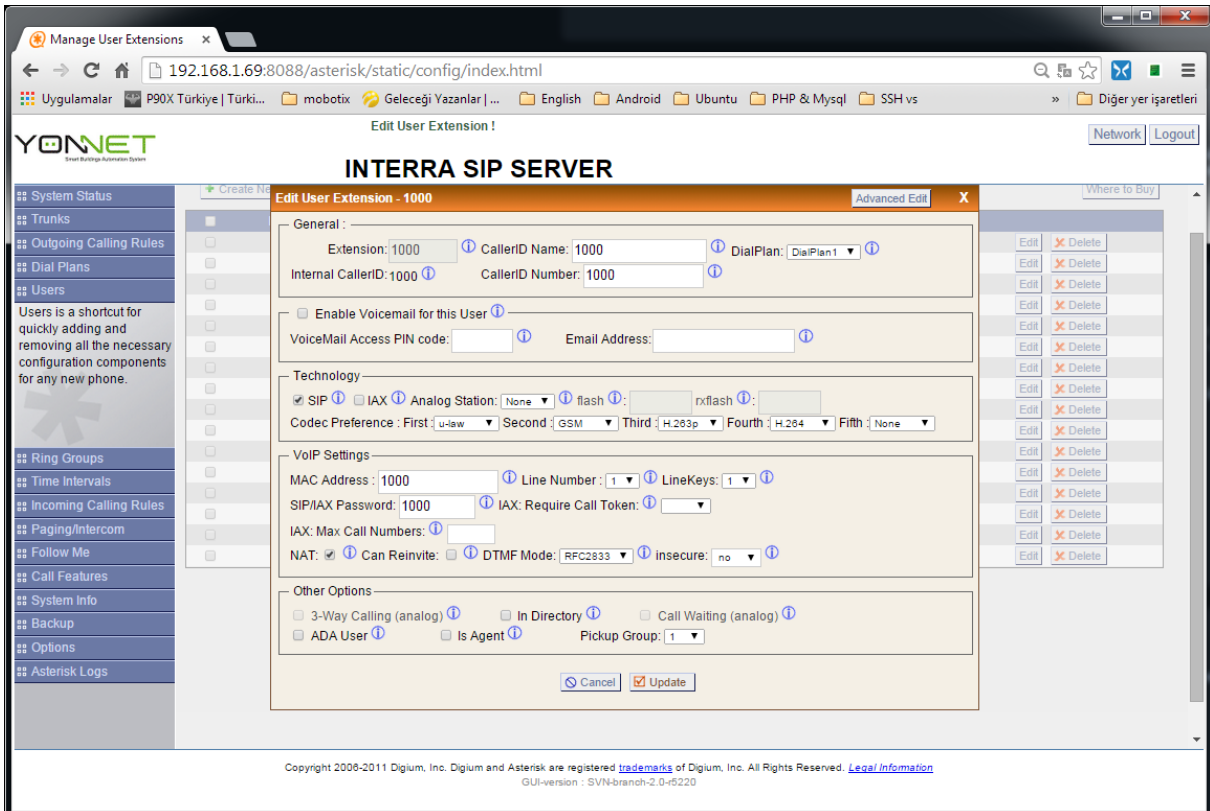


Figure 6 Sample User

When extra settings should be needed about users, those settings shall be performed by entering Advanced Edit in user edit screen.

The screenshot shows the 'Manage User Extensions' web interface for the INTERRA SIP SERVER. A modal window titled 'Edit User 1000 - Advanced' is open, displaying the following configuration parameters:

```

fullname=1000
registersip=no
hostedynamic
calgroup=1
qualify=yes
mailbox=1000
call-limit=100
type=peer
usertime=1000
transfer=yes
callcounter=yes
context=DLPN_DialPlan1
cid_number=1000
hasvoicemail=no
vmsecret=
    
```

Below the dialog, a table lists several users with their respective configurations:

Extension	CID	Context	Transfer	Call Counter	VM Mail	VM Secret	Actions
1012	1012	--	Yes	--	DialPlan1	1012	Edit Delete
1013	1013	--	Yes	--	DialPlan1	1013	Edit Delete
1014	1014	--	Yes	--	DialPlan1	1014	Edit Delete
10800	10800	--	Yes	--	DialPlan1	10800	Edit Delete

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Figure 7 User Details Screen

## 5 RING GROUP

It is used to make a certain ring group or a ringing order between the users created by you.

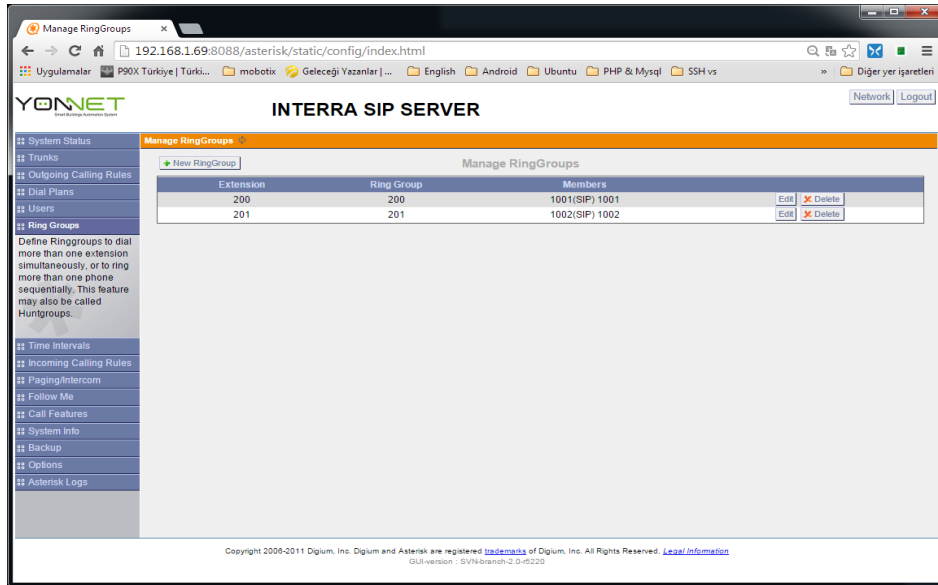


Figure 8 Ring Group Creation

You will be requested to enter Ring Group Name and user id of this group when you create a new group here. Users assigned to Ring Group Members by you shall be included in the group.

Strategy: You can determine the users to be rung in turn or simultaneously.

Seconds to ring each member: You can determine the duration to ring users in seconds.

If not answered Goto: You can determine the next action if not answered

It will be enough to ring group user ID that you gave from the user (IP Phone, Intercom) which will ring later.

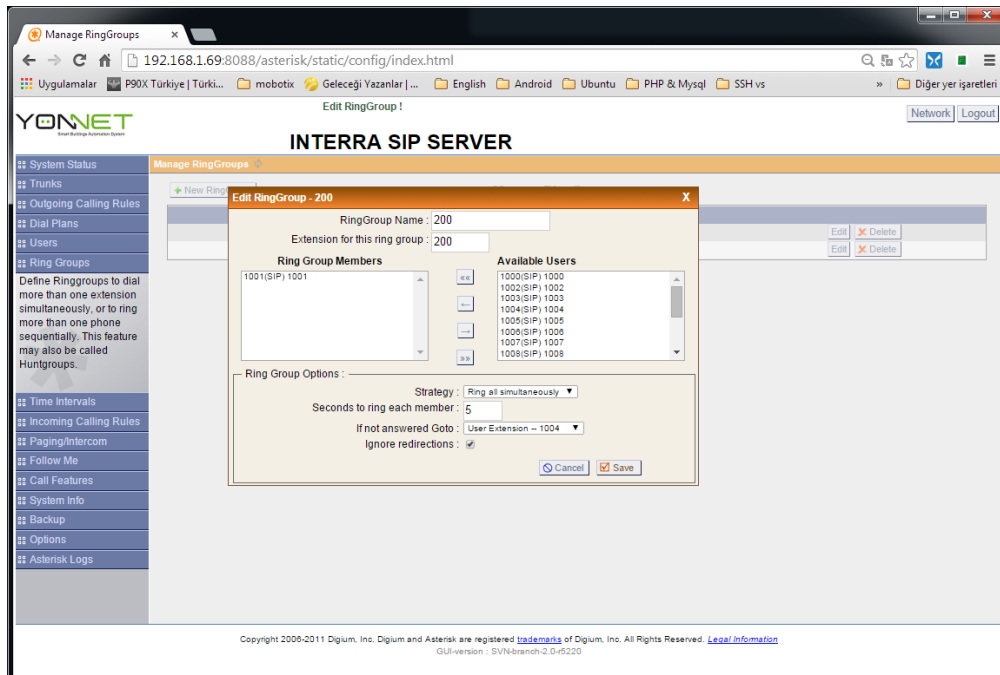


Figure 9 Ring Group Settings

## 6 DIAL PLAN

Dial Plan allows you to perform permission and authorization transactions among users.

The screenshot displays the 'Manage DialPlans' interface of the Interra SIP Server. The browser address bar shows the URL '192.168.1.69:8088/asterisk/static/config/index.html'. The page title is 'INTERRA SIP SERVER'. The sidebar on the left contains a navigation menu with items such as System Status, Trunks, Outgoing Calling Rules, Dial Plans, Users, Ring Groups, Time Intervals, Incoming Calling Rules, Paging/Intercom, Follow Me, Call Features, System Info, Backup, Options, and Asterisk Logs. The main content area is titled 'Manage DialPlans' and includes a 'New DialPlan' button. Below this, there is a descriptive text box explaining that a Dial Plan is a collection of Outgoing Call Rules. A table below the text lists the existing dial plans:

Default	Dial Plan	Calling Rules	Options
<input checked="" type="checkbox"/>	DialPlan1	default, parkedcalls, conferences, ringgroups, voicemenus, queues, voicemailgroups, directory, pagegroups, page_an_extension	Edit Delete
<input type="checkbox"/>	DialPlan2	default, parkedcalls, conferences, ringgroups, voicemenus, queues, voicemailgroups, directory, pagegroups, page_an_extension	Edit Delete

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Figure 10 Dial Plan

## 7 COMMAND SCREEN

You can see user IDs, IP addresses and their registration status of users which have been registered on sip server, by giving commands on command screen. You should follow **Options -> Advanced Options -> Show Advanced Options** order in order to be able to open command screen. Afterwards, **Asterisk CLI** menu shall be appeared.

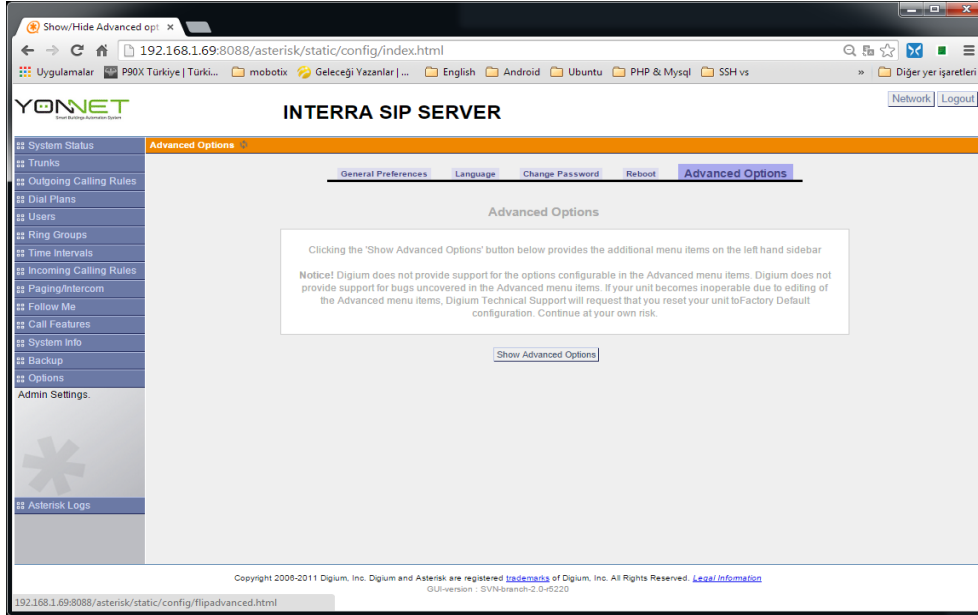


Figure 11 Command Screen

Command screen shall request a command from you.

**Sip show pers** is the command you will need most. You can follow the status of registered users by this command.

**INTERRA SIP SERVER**

Command: `sip show peers`

Name/username	Host	Dyn	Forcerport	ACL	Port	Status
1000/1000	192.168.1.202	D	N		5060	OK (7 ms)
1001/1001	192.168.1.65	D	N		32945	OK (1 ms)
1002/1002	192.168.1.119	D	N		47652	OK (1 ms)
1003/1003	(Unspecified)	D	N		0	UNKNOWN
1004/1004	(Unspecified)	D	N		0	UNKNOWN
1005/1005	192.168.1.207	D	N		45599	OK (17 ms)
1006/1006	192.168.1.138	D	N		43585	OK (321 ms)
1007/1007	192.168.1.140	D	N		50664	OK (2 ms)
1008/1008	192.168.1.138	D	N		41363	OK (14 ms)
1009/1009	(Unspecified)	D	N		0	UNKNOWN
1010/1010	192.168.1.67	D	N		41512	OK (34 ms)
1011/1011	(Unspecified)	D	N		0	UNKNOWN
1012/1012	192.168.1.171	D	N		43458	OK (67 ms)
1013/1013	(Unspecified)	D	N		0	UNKNOWN
1014/1014	(Unspecified)	D	N		0	UNKNOWN
10800/10800	(Unspecified)	D	N		0	UNKNOWN

16 sip peers [Monitored: 9 online, 7 offline Unmonitored: 0 online, 0 offline]

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GUI-version : SVN:branch-2.0-9220

Figure 12 Command Entry