

ptima SIM Saver

December 2017
Version 1.0.0

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Assalamu Alaikum! Welcome to Optima Sim Saver User Guide.

1. What is Optima SIM Saver **Optima SIM Saver** helps you to reduce your SIM blocking using two types call filtering system. E.g:

- A. **Filtering Callee Number** by sending repeatedly called phone numbers on same assigned port numbers.
- B. **Filtering Caller ID** by sending calls from same caller ID to same assigned port numbers.

Depending on blocking parameters or patterns of the Mobile Operator we need to select the appropriate filtering system. For that we need specific data of specific operator's blocking pattern e.g. Sims are blocking after how many minutes for which Operator?

Real Life Scenario After inserting new sims in your gateway as soon as you will send calls, call filter will start building its database and it will start binding Callee Numbers(Applicable for Callee Number filtering system) or Caller ID(Applicable for Caller ID filtering system) on each port number.

For callee number pattern, let's assume phone number 0987654321 was connected via port number 1. When this phone number 0987654321 will be dialed again, call filter will automatically connect that number using port 1.

For caller ID pattern, let's assume with caller ID "optima" a number was connected via port number 1. When from caller ID "optima", another call will come, our call filter will automatically connect the number with caller ID *optima* using port 1.

Callee Number /Caller ID Blacklist works efficiently using our call filter solution which will block unwanted Callee Numbers or Called IDs which will be added in the list.

Bulk/ Global Settings allows to to add your prefixes port wise in a moment with some specific values, which will save your time configuring your system.

Disclaimer : Our Solution does not provide any guarantee that sim will not be blocked. It will extend sim life. All Rules are not for all countries. It varies country to country, operator to operator.

2. Why Optima SIM Saver Optima SIM Saver Application intelligently builds it's Buckets with Callee Numbers and Caller IDs which helps to send same Callee numbers/ different numbers from same Caller IDS to the particular sims of the gateway, resulting extended sim life. Here are some key features:

- ★ Blacklists and whitelists of phone numbers/ Caller IDs to protect from the Operator's calls.
- ★ Improvised multiple Call Gap pattern technique between calls to simulate HB.
- ★ Monitoring number/Caller ID length pattern while receiving calls.
- ★ Building the list of preferred numbers for each sim.
- ★ Managing Performance filter for blacklisting as per necessity.
- ★ Auto Outgoing Call Generation to simulate HB.
- ★ Extending SIM lifetime with dual(Callee+Caller) filtering technology.
- ★ Optimizing Bandwidth Efficiently.

For Optimal Performance

- ★ To get satisfactory minutes and less sim blocking,
 - Use 64 sims to run 16 concurrent calls
 - Use 128 sims to run 32 concurrent calls.

Primary idea is you need 4 times more sims, than your concurrent calls.

Now we will demonstrate you about the panel configuration:

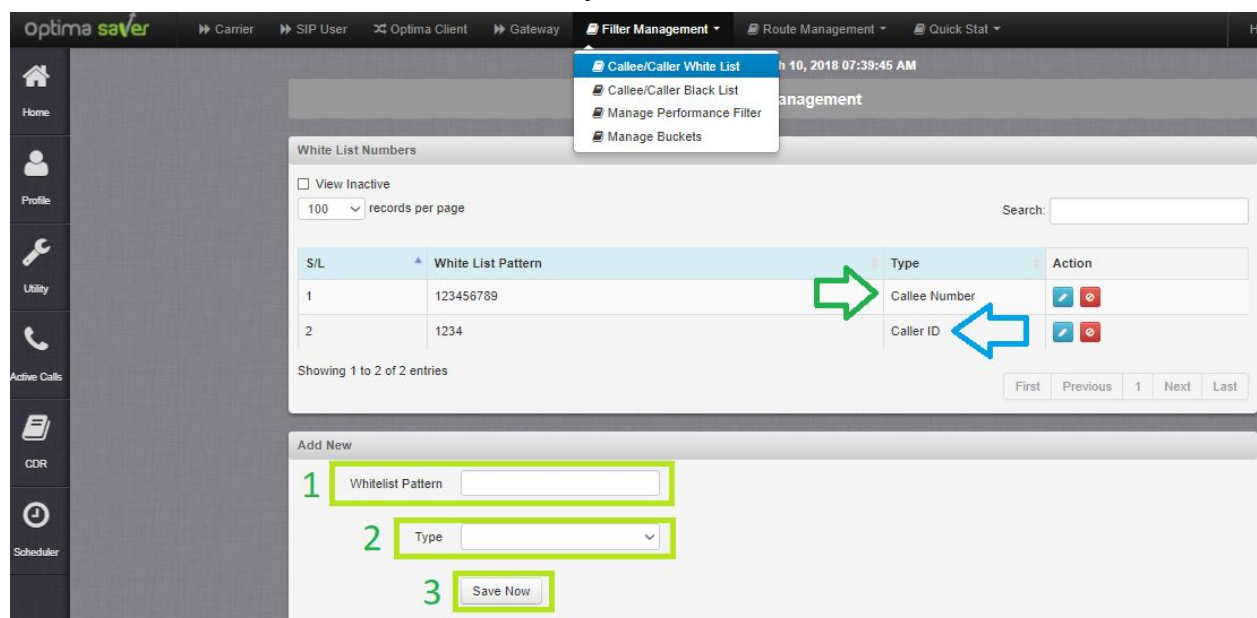
3. Filter Management Our First Segment is Filter Management. Under this segment there are four(4) options:

- a. Callee/ Caller Whitelist
- b. Callee/ Caller Blacklist
- c. Manage Performance filter
- d. Manage Buckets.

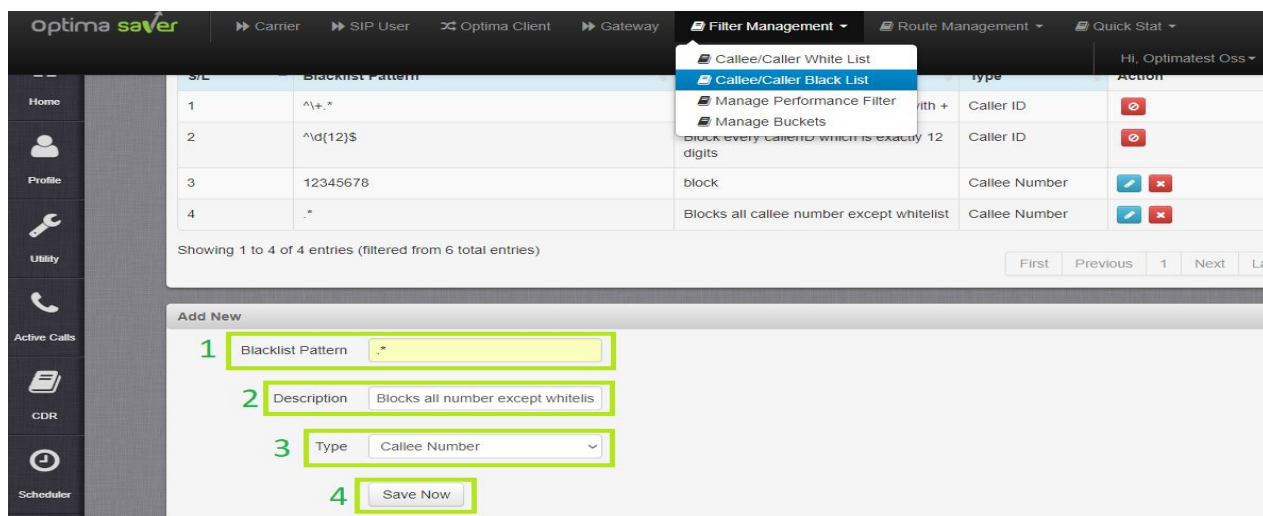
Below we will describe the functions of the options gradually:

a. Callee/ Caller Whitelist From Filter Management >> Callee/ Caller Whitelist option, you may add your desired whitelist numbers. Suppose, If you want that, calls will only pass from your whitelist numbers, that is also possible from our system. For that you need to config like below:

1. Need to add the whitelist numbers in Whitelist pattern and whitelist type(callee number/ caller ID) for manual entry or if you have bulk numbers request us to upload.
2. Need to set rules in Callee/ Caller Blacklist option for manual entry.
3. Save now to add whitelist manually.



4. Then add the regex value “ .* ” (dot followed by asterisk without semicolon) as blacklist regex pattern to block the calls and pass only whitelist numbers from Callee/ Caller Blacklist Option(pic below)



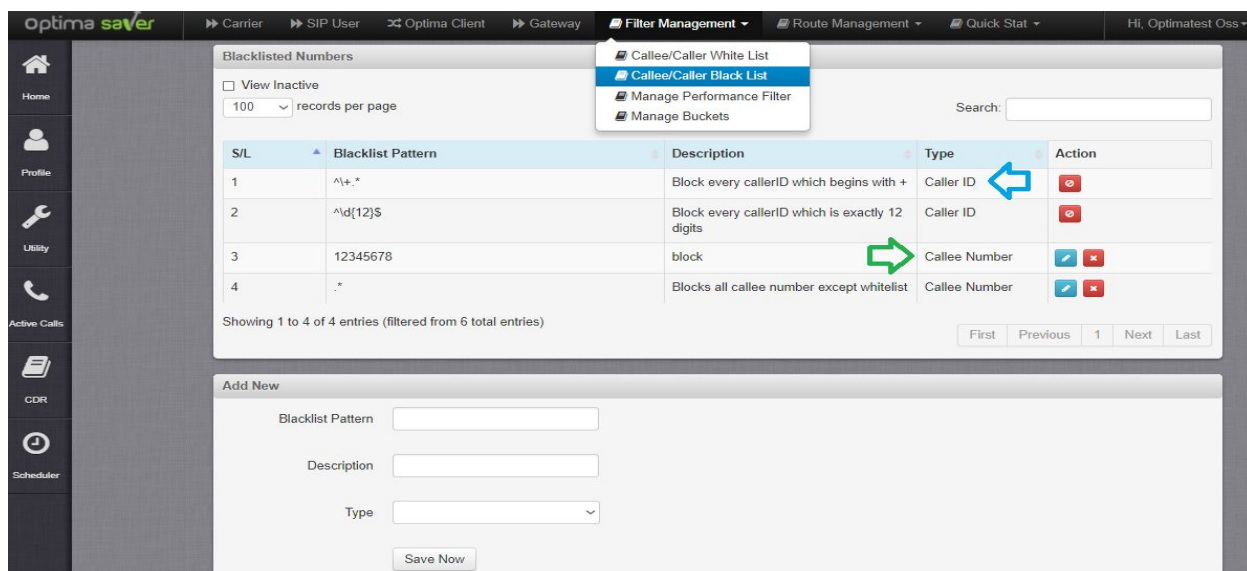
b. Callee/ Caller Blacklist

In Callee/ Caller Whitelist / Blacklist option, we may enable and disable some entries, which will Block Caller ID with + sign or caller id with 12 digit etc. also may block numbers for Callee Numbers.

Firstly, Need to entry Blacklist Pattern.

Secondly, Need to Provide Description.

Thirdly, need to select type, then save the entry.



Regex entry reference (<https://www.freeformatter.com/regex-tester.html>)

1. ^228.* - Block every callerID which begins with 228
2. ^+.* - Blocks every callerID which begins with + or any special character.
3. ^d{12}\$ - Block every callerID which is exactly 12 digits.
4. .* - Blocks All, and allow whitelist.

c. Manage Performance Filter

With Manage performance filter, you may sort out the numbers with bad stat and blacklist them with a single click. I will explain you how it works, below:

optima saver

Carrier SIP User Optima Client Gateway Filter Management Route Management Quick Stat Hi, Optimatest Oss

Manage Performance Filter

Performance Filter

Date From: 2018-03-10 00:00:00 1 2 Date To: 2018-03-10 08:47:48 3

Bucket Type: Callee Number 3

Minimum ACD (Seconds): 10 4 5 Minimum ASR (%): 40 6

Call Hit Threshold: 1 6

Please fill all the necessary fields

Show Data 7 Filter Data 8 Blacklist Filtered Data 9

Selected Performance Data

100 records per page Search:

S/L	Number	Out Prefix	Gateway	Total	Answered	Acd (Sec)	Asr (%)	Action
1	99230123	1380	goip10	13	5	8.2000	38.4615	
2	99230124	1390	goip10	7	1	33.0000	14.2857	
3	99230126	1400	goip10	1	1	32.0000	100.0000	
4	99230127	1410	goip10	2	1	18.0000	50.0000	

- First need to select the date range, then bucket type(caller/ callee), then if we press show data, all data will be shown below.
- Then we may filter the data upon 3 criterias:
 - Minimum Acd(Sec)-here we will put the minimum acd, we want to blacklist
 - Minimum ASR (%) - here we will put the minimum asr, we want to blacklist
 - Call hit threshold - here we we put the number , how many times the number was dialed and hit the system.
- Then we can see which data meets the criteria by clicking filter data.
- Blacklist selected data will immediately blacklist all the filter data and you may see those in the caller/ callee blacklist option under Filter management.

d. Manage Buckets

In the Show Bucket Details, we may see the **callee numbers** and **caller IDs** record stored against each prefix separately. This is only view mode.

→ **Bucket ID (BS,LT,CG)** , here for e.g 2050_goip20(25,20,301) means 2050 is the specific prefix for the port no 5 in goip name goip20 from the Gateway option, BS=Bucket Size=25 , LT= Lease Time=20 hours=1200 mins, CG=Call

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Carrier SIP User Optima Client Gateway Prefix Management Route Management Quick Stat

Select Bucket: All Buckets

Show Bucket Details Clear Bucket

Incoming Prefix
Outgoing Prefix
Callee/Caller White List
Callee/Caller Black List
Manage Performance Filter
Manage Buckets

Home Profile Utility Active Calls CDR Scheduler

Buckets: All records per

Here 25 is bucket size

Lease time = 20 hours = 1200 min

Call Gap = 301 sec

One Click instant Blacklist

Search:

S/L	Bucket ID (BS,LT,CG)	Callee/Caller Number	Last Call at	Total Calls	Answered	Duration	Action
1	2050_golp20 (25,20,240)		2 minutes ago	2628	93	20407	
2	3140_golp30 (25,20,240)		16 minutes ago	1486	419	127192	
3	3120_golp30 (25,20,240)			184	52441		
4	3060_golp30 (25,20,240)			117	37938		
5	1050_golp10 (25,20,240)		3 hours ago	257	127	48362	
6	3100_golp30 (25,20,240)		34 seconds ago	152	62	17693	
7	1060_golp10 (25,20,240)		4 hours ago	125	62	29340	

These signifies: portNumbers_gatewayName(BS,LT,CG)

Gap=301 Sec. This the view option for the entries in Outgoing Prefix Option under Prefix Management.

- **Callee/ Caller Number** will show Caller ID or Callee Number as per our filter type selection in the Incoming prefix option under Prefix Management.
- **Call Count** will show how many time numbers hit the port.
- **Last Calls** at show last calls time of hitting the port
- **Duration** show total duration of the numbers hitted the port.
- **Answers** shows how many calls were answered among **Call Count** Numbers

4. Route Management Our second segment is Route Management. This is very important segment of the solution. Here we will find 4 options:

a. Incoming Prefix

In Incoming Prefix option,

Firstly, we need to entry the Incoming Prefix for e.g 9230 , then

Secondly, need to enter the Allowed number length means the number length of the incoming prefix. If full number is 923026154910, then we can see there are 12 digits. So Allowed Number Length will be 12 here. Rule is, if any call comes with less number than 12 digit or more it will not pass.

Thirdly, we can see Bucket type which will be **Caller ID** or **Callee number**. Upon requirement we need to select the type, then press save to add the entry.

Server Time (UTC): December 18, 2017 05:35:03 AM

Incoming Prefix Management

List of Incoming Prefixes

100 records per page Search:

S/L	Incoming Prefix	Allowed Number Length	Bucket Type	Action
	9230	12	Callee Number	Edit Delete
	9234	2	Caller ID	Edit Delete

Showing 1 to 2 of 2 entries

First Previous 1 Next Last

Add New

Incoming Prefix

Allowed Number Length

Bucket Type

b. Outgoing Prefix

In Outgoing Prefix option we may add/edit the values which we will add in the callee/caller route mapping, but for the deletion of the value here, we need to first delete the same entry in the Callee/ Caller Route mapping.

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Carrier SIP User Optima Client Gateway Filter Management Route Management Quick Stat Hi, Optimatest Oss

4 1410 Callee Number 70 4320 1

Showing 1 to 4 of 4 entries

Incoming Prefix
Outgoing Prefix
Callee Route Mapping
Caller Route Mapping

First Previous 1 Next Last

Add New

Outgoing Prefix 1

Bucket Type 2

Bucket Size 3

Lease Time (Minute) 4

Call Gap (Second) 5

Allow in Gap 6

Concurrency 7

8

For Single Entry:

First, we need to provide entry to Outgoing Prefix, e.g 1010. To be noted, the prefix you will provide here will replace the incoming prefix, so if your incoming prefix is suppose 9230, your outgoing prefix will be **101030**. Here first digit **1** represents the first gw, next **01** represents the gw port no 1, then **030** is the suffix.

We will map this prefix in the Gateway port wise later, then we will guide with the Gateway Port Wise Prefix Configuration.

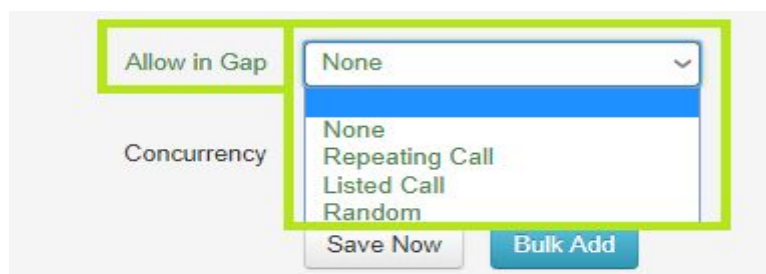
Second, select the Bucket Type as per requirement e.g: Callee Number, Caller ID

Third, Bucket Size, this is the list size of the Callee Numbers or Caller IDs means this is list of how many numbers or IDs we want to store against each prefix /port.

Fourth, Lease Time (Minutes), here we will set the max time duration to keep the numbers which will not be repeated within that time frame in the Bucket.

Fifth, Call Gap (Seconds) , here we will set the call hit interval time from the last call which passed through this prefix/ port. e.g If call gap set 301 sec, then when any call (Active/ Ring) pass through this prefix, next call will not pass before 301 sec of the last call pass time or Bucket entry time.

Sixth, Allow in Gap, means from here you may select how the call gap feature will function. There are 4 types of Call Gap functionality here:



- A. None - Call gap will applicable for all calls
- B. Repeating Call - Call gap will be ignored only for the last dialed call but for the new numbers and bucket list numbers , call gap will be applicable.
- C. Listed Call - Call gap will be ignored for only the numbers in the bucket list but for new numbers, gap will be applicable.
- D. Random - Call gap will be applicable for all calls but it will ignore for some random numbers in a random manner(more like human behavior).

Seventh, Concurrency , that means how many calls may pass with that specific prefix, it will be 1 always for 1 port vs 1 Prefix.

Bulk Add will be convenient in the Callee/ Caller Route Mapping, so it will be explained later in that particular segment below.

c. Callee Route Mapping

In Callee Route Management, we will map the Outgoing Prefixes with Incoming Prefix along with Gateway for Callee.

Firstly, we will select the Incoming Prefix for Callee number type, you will see the incoming prefix here if you assigned bucket type as callee number in the incoming prefix segment.

Secondly, we will select the particular Gateway/ For all gateways for the incoming Prefix for Callee

Thirdly, we will select the Outgoing Prefix according to the incoming Prefix for single or for all Buckets for Callee.

The screenshot shows the 'Route Management' section of the Optima SIM Saver software. The 'List of Callee Routes' table is displayed with the following data:

S/L	In Prefix	Out Prefix	Gateway	Num Length	Size	Lease Time	Allow in Gap	Concr.	Action
1	9	1380	golp10	0	70	4320	0	None	1
2	9	1390	golp10	0	70	4320	0	None	1
3	9	1400	golp10	0	70	4320	0	None	1
4	9	1410	golp10	0	70	4320	0	None	1

Below the table, the 'Add New' form is shown with the following steps:

1. Incoming Prefix (dropdown menu)
2. Gateway (dropdown menu: For All Gateways)
3. Outgoing Prefix (dropdown menu: For All Buckets)
4. Save Now (button) / Bulk Add (button)

Now i will explain you how Bulk Add callee route mapping :

- I. First we need to select the incoming from the incoming prefix option.
 - II. Then need to select the Gateway
 - III. Then we need to enter the value for how many prefixes we want to add, for example if you have 32 port gateway, then value will be 32 for number of prefix.
- Suppose our first prefix will be **1 38 0**
- IV. So, here value for start prefix will be **1**
 - V. Mid length will be 2 as **38** consists 2 digits.
 - VI. End prefix with **0**
 - VII. Assign value for bucket size as per necessity.
 - VIII. Assign value for Lease time
 - IX. Assign value for Call Gap as per necessity.
 - X. Allow in GAP criterias as per necessity (explained in outgoing section)
 - XI. Assign value for concurrency as per necessity.

The facility of adding bulk entries from Callee Route Mapping is, we may add prefixes for any range with any gateway easily from here but to edit any value we have to edit that from outgoing prefix Segment.

optima **saver** » Carrier » SIP User » Optima Client » Gateway » Filter Management » **Route Management** » Quick Stat

Home
Profile
Utility
Active Calls
CDR
Scheduler

Edit

Incoming Prefix: 9

Gateway: goip10

Number of Prefix: 4

Start Prefix with: 1

Mid Length: 2

Fill Mid with:

Start Mid from: 38

End Prefix with: 0

Bucket Size: 70

Lease Time (Minute): 4320

Call Gap (Second): 300

Allow in Gap: None

Concurrency: 1

Add Now Cancel

Dropdown menu:

- Incoming Prefix
- Outgoing Prefix
- Callee Route Mapping**
- Caller Route Mapping

Diagram: 1 38 0

d. Caller Route Management

In Caller Route Management, we will map the Outgoing Prefixes with Incoming Prefix along with Gateway for Caller ID type filtering.

Firstly, we will select the Incoming Prefix for Caller ID, you will see the incoming prefix here if only you assigned bucket type as Caller ID in the incoming prefix segment.

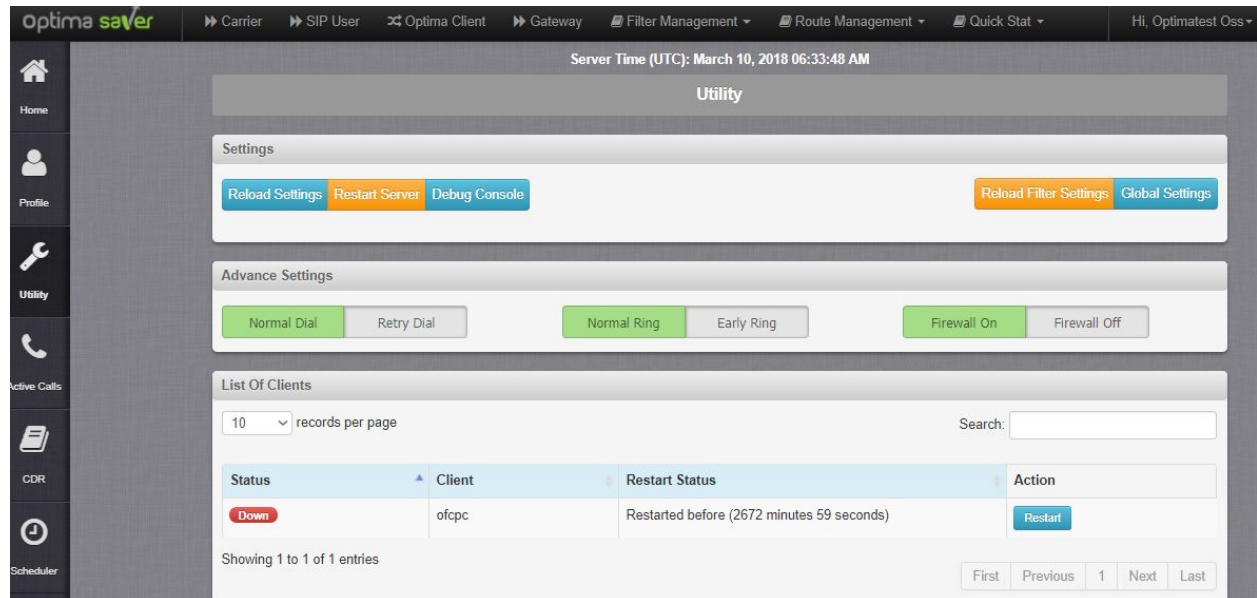
Secondly, we will select the particular Gateway for the incoming Prefix for Caller ID

Thirdly, we will select the Outgoing Prefix according to the incoming Prefix for Caller ID (pic above)

Bulk Add technique is same as callee Route Management, please check above for reference.

5. Utility:

From Utility options we may find:



A. **Reload Filter Settings** Reload all the rules of Call Filter System.

B. **Global Settings** Here the entries which you will save, some will be effective as preset entry in the outgoing prefix & Manage Filter Performance and you may change the values in the outgoing prefix & Manage Filter Performance segments by pressing Apply to All from here, also you may edit each entry to particular segment manually.

After Saving all individual entry we need to press **Apply to Callee** or **Apply to Caller** or **Apply to All**(for Callee and Caller both) as per necessity. (pic below)

- I. **Bucket Lease Time (Minutes)** - enter preset value for outgoing prefix
- II. **Bucket Size** - enter preset value for outgoing prefix
- III. **Call Gap (Seconds)** - enter preset value for outgoing prefix
- IV. **Call out at every sequential unique numbers** - Our system may generate auto outgoing calls if you set the value for unique calls. Here value 10 means, our system will generate one auto outgoing call after each 10 unique numbers are dialed which will to avoid sim blocking. Its a great feature for some countries to bypass sim blocking.

optima saver

Carrier SIP User Optima Client Gateway Filter Management Route Management Quick Stat Hi, Optimalest Oss

100 records per page Search:

S/L	Settings Name	Settings Value	Action
1	Bucket Lease Time (Minute)	4320	
2	Bucket Size	70	
3	Call Gap (Second)	300	
4	Call out at every sequential unique numbers	10	
5	Minimum ACD for a number to be blacklisted	60	
6	Minimum ASR for a number to get blacklisted	10	
7	Minimum hit count for a number to be considerable in PF		

Showing 1 to 7 of 7 entries (filtered)

First Previous 1 Next Last

Add New

Settings Name

Settings Value

Save Now

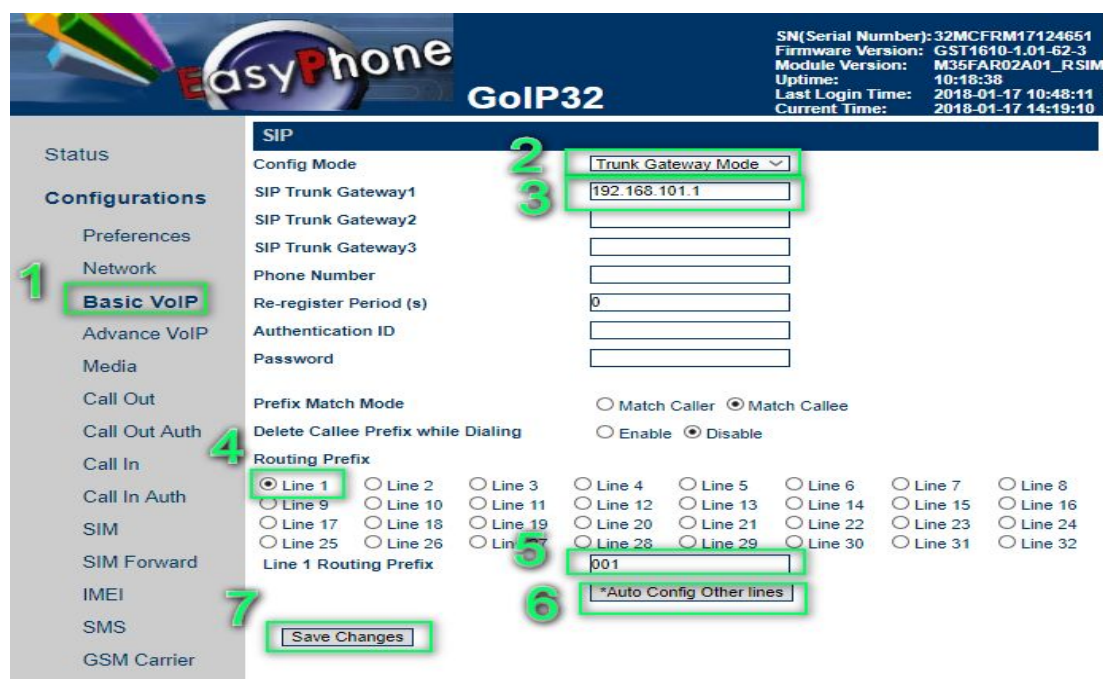
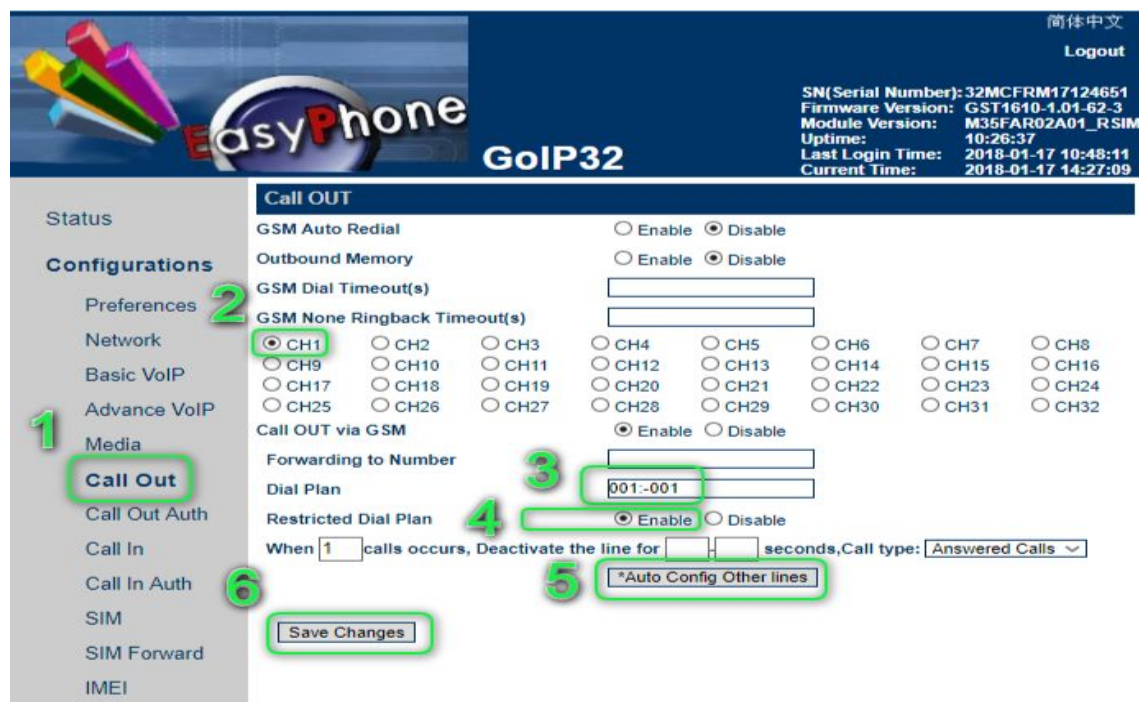
Auto Scheduler run interval (Minute)
Bucket Lease Time (Minute)
Bucket Size
Call Gap (Second)
Call out at every sequential unique numbers
Maximum Bucket Size (for Auto Scheduler)
Minimum ACD for a number to be blacklisted
Minimum ASR for a number to get blacklisted
Minimum hit count for a number to be considerable in PF

- V. Minimum ACD for a number to be blacklisted - enter present value for Manage Performance Filter
- VI. Minimum ASR for a number to get blacklisted - enter present value for Manage Performance Filter
- VII. Minimum hit count for a number to be considered in PF -enter present value for Manage Performance Filter

6. Gateway Configuration

Here we will guide you to configure your gateway according to outgoing Prefix to map the prefixes port wise:


a. Goip

Optima SIM Saver

Disclaimer : Our Solution does not provide any guarantee that sim will not be blocked. It will extend sim life. All Rules are not for all countries. It varies country to country, operator to operator.

b. Skyline



More Easy-communication


GoIP32/128 Version: 4.7.5.815

- Status Information
 - Call Status
 - Device Status
 - System Status
 - SMS Statistics
 - InterCall Statistics
- Gateway Settings
 - Network Setting
 - Phone Book
 - SIP Setting**
 - Port Setting
 - Base Station
 - IMEI Setting
 - Rules Setting
 - Mobile Setting
 - SMS Setting
 - USSD Setting
 - Automation
 - SIMPOOL Setting
 - InterCall Setting
 - Callback Setting
 - Callwait Setting
 - Call Dur Setting
 - SMS Ctrl Setting
 - Auto Recharge

Route By From: ☒ Disabled ☐ Enabled If enabled, only accept the call whose "From" header is matched.
Submit

SIP Accounts

Port	Allowed Prefix	Phone Number	Account	Password	Status
1	001				
2	002				
3	003				
4	004				
5	005				
6	006				
7	007				
8	008				
9	009				
10	010				
11					
12					
13					
14					
15					
16					
17					



More Easy-communication

GoIP32/128 Version: 4.7.5.815 CN | EN

- Status Information
 - Call Status
 - Device Status
 - System Status
 - SMS Statistics
 - InterCall Statistics
- Gateway Settings
 - Network Setting
 - Phone Book
 - SIP Setting
 - Port Setting
 - Base Station
 - IMEI Setting
 - Rules Setting**
 - Mobile Setting
 - SMS Setting
 - USSD Setting
 - Automation
 - SIMPOOL Setting
 - InterCall Setting
 - Callback Setting
 - Callwait Setting
 - Call Dur Setting
 - SMS Ctrl Setting
 - Auto Recharge

Prefix

Prefix Translation (GSM --> IP)
Add New Delete

<input type="checkbox"/>	Ports	Original Prefix	Translated Prefix	Operation
No Data				

Data Detail

Data Status: Add

Callee Prefix: 001030

Digits Stripped: 3

Digits Added:

Submit

Prefix Translation (IP --> GSM)
Add New Delete

<input type="checkbox"/>	Callee Prefix	Digits Stripped	Digits Added	Operation
No Data				

Callerid Hidden

Callerid Hidden: Disabled

Dial Prefix:

Submit

Black List

Black List
Add New Delete

Optima SIM Saver

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c. **Dinstar**
(Dinstar New Firmware) :

DINSTAR Web Management System

- System Information
- + Statistics
- + Network Configuration
- + Mobile Configuration
- + SMS and USSD
- Call Configuration
 - SIP Configuration
 - SIP Trunk Configuration
 - SIP Trunk Group Configuration
 - Port Configuration
 - Port Group Configuration
 - Digit Map
 - **IP->Tel Routing**
 - Tel->IP Routing
 - Service Parameter
 - Media Parameter
 - DBO Parameter
- + Advanced
- + Diagnostic
- + Tools

IP->Tel Routing Modify

Index: 45
 Description: ALL
 Source: Any
 Destination: port-group-0 <MTN>
 Call Restriction: Allow Call

Advanced Rules
 Source Prefix:
 Destination Prefix: 001
 Prefix to Add:
 Digits to be Deleted: 3

Note: NOTE: If the "Source IP" is "Any", Any IP can send traffic to this device!!!

Save Reset Cancel

(Dinstar Old Firmware) : Routing Configuration >> IP->Tel Routing

DINSTAR Web Management System

- System Information
- + Statistics
- + Network Configuration
- + Security Center
- + Mobile Configuration
- + SMS and USSD
- Routing Configuration
 - Routing Parameter
 - **IP->Tel Routing**
 - Tel->IP Routing
- + Manipulation Configuration
- + Operation
- + Port Group Configuration
- + IP Trunk Configuration
- + System Configuration
- + Human Behavior
- + Digit Map
- + Tools

IP->Tel Routing Modify

Index: 1
 Description: local030
 Source Prefix: any
 Source IP:

- ☒ IP 31 <local>
- ☐ IP Group
- ☐ SIP Server

 Destination Prefix: 001
 Destination:

- ☒ Port 1
- ☐ Port Group 0 <all>

NOTE: If the "Source IP" is "Any", Any IP can send traffic to this device!!!

OK Reset Cancel

(Dinstar Old Firmware) : Manipulation Configuration >> IP->Tel Destination Numbers

DINSTAR Web Management System

- System Information
- Statistics
- Network Configuration
- Security Center
- Mobile Configuration
- SMS and USSD
- Routing Configuration
- Manipulation Configuration**
 - IP->Tel Destination Numbers**
 - Tel->IP Source Numbers
 - Tel->IP Destination Numbers
- Operation
- Port Group Configuration
- IP Trunk Configuration
- System Configuration
- Human Behavior
- Digit Map
- Tools

IP->Tel Destination Numbers Modify

Index: 1
 Description: local030
 Source Prefix: any
 Source: ☒ IP 31 <local> ☐ IP Group ☐ SIP Server
 Destination Prefix: 001
 Destination: ☒ Port 1 ☐ Port Group 0 <all>
 Stripped Digits from Left: 3
 Stripped Digits from Right:
 Prefix to Add:
 Suffix to Add:
 NOTE: If you need route calls after manipulation, set the destination port to any.
 OK Reset Cancel

d. Addpac

Smart Web Manager www.addpac.com

- System
 - Language
 - WAN Setup
 - LAN Setup
 - NAT
 - NTP
 - Remote Access Controller
 - Remote SIM Server
 - VTO Service
 - System Time
 - File Browser
- Basic
 - Protocol
 - Server SIP
 - Server H.323
 - Mobile Extension
 - DTMF/CODEC
 - VoIP Dial Plan
 - Mobile Dial Plan**
 - Static Route
 - Hot Line
- Advanced
 - Port Control
 - Mobile PINs

Mobile Dial Plan / Prefix

Port Information

Port	P0	P1	P2	P3
SLOT 0	GSM	GSM	GSM	GSM
SLOT 1	GSM	GSM	GSM	GSM

FXS FXO/E&M E1/T1 Mobile

Plan Table

Rule Num	Digits to Insert	Digits to delete	Digit Pattern	Control
300		3	801030T	<input type="checkbox"/>
301		3	802030T	<input type="checkbox"/>
302		3	803030T	<input type="checkbox"/>
303		3	804030T	<input type="checkbox"/>
304		3	805030T	<input type="checkbox"/>
305		3	806030T	<input type="checkbox"/>
306		3	807030T	<input type="checkbox"/>
307		3	808030T	<input type="checkbox"/>

Delete Add

Information

AddPac Technology
 Model : GS708_G2
 H/W Version : 2.0
 S/W Version : 8.51.014
 Smart Web Version : 0.4
 Smart Web Build : Jul 22 2014
 Voice Interface
 G(4) : G(4)
 Protocol : SIP
 Status : Unregistered
 Current Calls : 1
 CallNetwork : Static
 192.168.101.50
 Mac Address: 0002.a409.5ef4
 Unread Message:

Description

Configure the settings for Mobile Dial Plan and Prefix table

Optima SIM Saver

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Advanced

- Port Control
- Mobile PINs
- Mobile USSD
- Fax
- Service
- Filtering
- Security
- Radius
- SNMP
- WEB Callback
- Mobile Callback

Miscellaneous

- Mobile Summary
- System Status
- Mobile Status
- Mobile Port Statistics
- Call Log
- System Log
- Ping
- Mobile Band
- BTS Selection
- GSM BTS Info
- SIM Traffic Monitor
- SIM Diagnosis

Add

PREFIX Table

Pots Num	Prefix	2nd Prefix	PlanIndex	Slot/Port	Control
4584	801030T		300	0/0	<input type="checkbox"/>
4585	802030T		301	0/1	<input type="checkbox"/>
4586	803030T		302	0/2	<input type="checkbox"/>
4587	804030T		303	0/3	<input type="checkbox"/>
4588	805030T		304	1/0	<input type="checkbox"/>
4589	806030T		305	1/1	<input type="checkbox"/>
4590	807030T		306	1/2	<input type="checkbox"/>
4591	808030T		307	1/3	<input type="checkbox"/>

N.A.

From : P0.0 To : P0.0

Delete

Apply

* Mobile Dial Plan - Assigned Translation-Rule Tag Number : 300 - 399

* Mobile Dial Plan - Assigned VoIP Tag Number : 4584 - 4683

e. E-Join

Ejoin

GolP32/128 Version: 4.7.7.826

GSM/CDMA/WCDMA/LTE

192.168.101.55 41:54:59

Basic Settings

SIP Protocol

Basic Settings

Channel Settings

STUN Settings

MNP Settings

Gateway Settings

SMS Settings

App Settings

Advanced Settings

System Settings

Running Status

Save and Reboot

Channel Settings

SIP Accounts

Multiple Port Support: Disabled


Use Best Matched Lines: Disabled

* If enabled, each account can use various port to register to server.

Port	Allowed Prefix	Phone Number	Account	Password	Status
1	001				
2	002				
3	003				
4	004				
5	005				
6					
7					
8					
9					
10					
11					
12					

Optima SIM Saver

Disclaimer : Our Solution does not provide any guarantee that sim will not be blocked. It will extend sim life. All Rules are not for all countries. It varies country to country, operator to operator.



Ejoin

GolP32/128 Version: 4.7.7.826

GSM/CDMA/WCDMA/LTE

192.168.101.55 44:56:36

- Basic Settings
- SIP Protocol
- Gateway Settings
- SMS Settings
- App Settings
 - Phone Book
 - Dial Plan
 - Num Translation
 - Inward Translation
 - Inward Black List
 - Inward White List
 - SIM Pool Settings
 - Auto Recharge
 - State Notification
- Advanced Settings
- System Settings
- Running Status
- Save and Reboot

Incoming Call Number Translation Settings

Translation List Collapse

Data Details

Data Status: Add

Callee Prefix: 001030

Digits Stripped: 3

Digits Added:

* Asterisk means match all digits

* 0 means not stripping prefix

* Space means not adding prefix

Submit

Data List Add New Delete

<input type="checkbox"/>	Callee Prefix	Digits Stripped	Digits Added	Operation
No Data				


CallerId Hidden Collapse

CallerId Hidden: Disabled

Dial Prefix:

Submit Reset

f. ETS (Etross)



ETS Administration Interface

- + Status
- + Sim Card
- Operator Config
- + Human Behavior
- + Port
- Trunk
- + Ussd
- + SMS
- + SMS BULK
- + Balance Manage
- + Auto Recharge
- + Call Limit
- Call Routing
- Route Config
- Blacklist Config
- + SBO
- + System
- + Network Settings
- + Tools


Call Routing Profile List

Profile Name	
sip-gsm	Delete
gsm-sip	Delete

Add

Optima SIM Saver

Disclaimer : Our Solution does not provide any guarantee that sim will not be blocked. It will extend sim life. All Rules are not for all countries. It varies country to country, operator to operator.



ETS Administration Interface

- Status
- Sim Card
- Operator Config
- Human Behavior
- Port
- Trunk
- USSD
- SMS
- SMS BULK
- Balance Manage
- Auto Recharge
- Call Limit
- Call Routing
- Route Config
- Blacklist Config
- SBO
- System
- Network Settings
- Tools

Modify Dial Profile

Description: sip-gsm

Digit Mapping 1 Delete

Number Translation: [d][d][d]030
Time Schedule: Disable Config

Service: Port
☐ All
 ☒ 1
 ☐ 2
 ☐ 3
 ☐ 4
 ☐ 5
 ☐ 6
 ☒ 7
 ☐ 8
 ☐ 9
 ☐ 10
 ☐ 11
 ☐ 12
 ☐ 13
 ☐ 14
 ☐ 15
 ☐ 16

Add Save Cancel

Digit map syntax:

Goip digit map supports: 'x', '[', ']', '-', '*', the digit.

Every rule always ends with a ';'.
 1:x
 The character 'x' as a wildcard, it can represent '*' and all digital.
 2:[-]
 Two digits separated by hyphen ('-') which matches any digit between and including the two.
 The subrange construct can only be used inside a range construct, i.e., between '[' and ']'.
 For Example, '[1-5]' mean the range of is 1 to 5.

Number translation syntax:

'[a:123]' expressed that add number '123' before the current location.
 '[m:6]' expressed that revises the current position digit 6.
 '[d]' expressed that delete the current digital.

Examples:

1: Modify the called number '123456' to '127893456', you can set as '12[a:789]'.
 2: Modify the called number '123456' to '183456', you can set as '1[m:8]'.
 3: Modify the called number '123456' to '12356', you can set as '123[d]'.

7. Sip User

Now you may create sip users directly from our Optima and test calls through any mobile sip dialer. Steps for creating sip users are:

1. Assign a username.
2. Assign a password
3. Assign Call Limit.
4. Assign Codec.
5. Save Now.

optima saver
Carrier SIP User Optima Client Gateway Prefix Management Route Management Quick Stat Hi, Optima Sim Saver OSS

- Home
- Profile
- Utility
- Active Calls
- CDR
- Scheduler

List Of User
 Manage Carrier Portal

☐ View Inactive
 Search:

10 records per page

Si/L	Username	Password	Protocol	Call Limit	Codec	Action
No matching records found						

Showing 0 to 0 of 0 entries (filtered from 1 total entries)
 First Previous Next Last

Add New

1

2

3

Port

Protocol

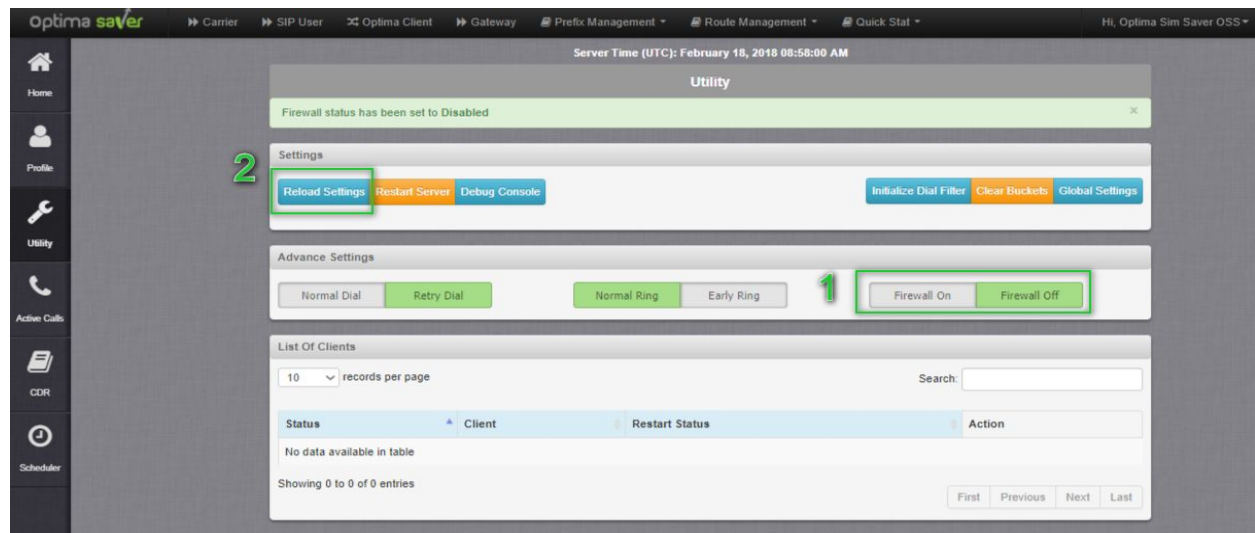
SIP

4

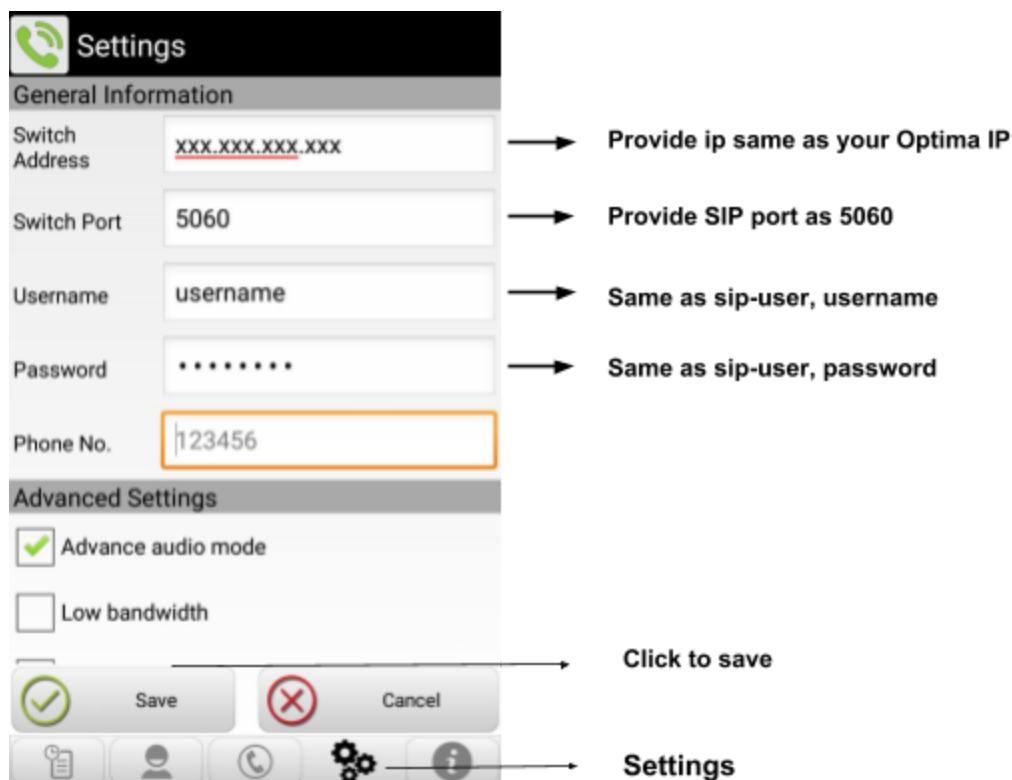
5
Save Now

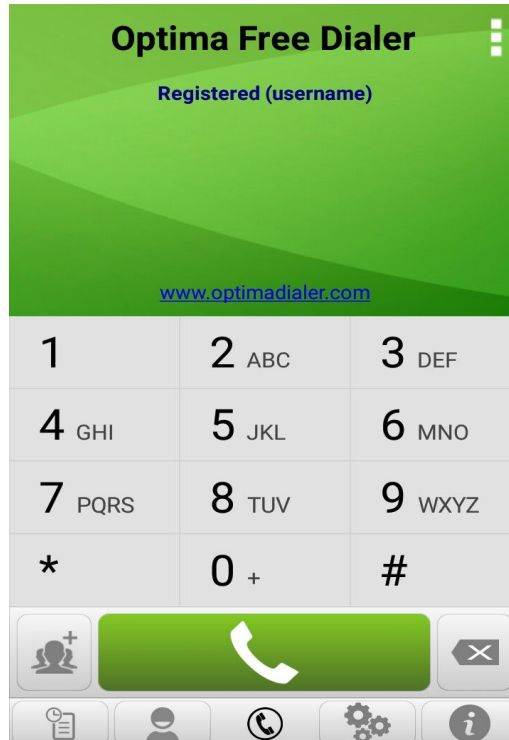
Now will explain steps for making calls:

1. From Utility , disable firewall.
2. Reload All Settings.



3. Now download the android application **Optima Free Dialer** from google play store , Open Optima free dialer, go to settings and provide info like below to test calls:





4. When Dialer got registered , then you may test call according to your dial plan in the panel. You may require VPN or BytePlex if your ISP blocks SIP Protocol.

8. TIPS AND TRICKS FOR OPTIMA SIM SAVER

- A. You should not turn off your GSM Gateway at your idle time and we recommend not to send calls after 12 PM as well start sending calls after 8AM as this is a human behavior, usually human sleeps at night.
- B. If your sims blocks or for new sim, try to change IMEI before inserting new sims as well use fixed IMEI.
- C. Do not send USSD code repeated times in a day, We recommend 3 times a day.
- D. We recommend not to recharge your account more than once in a day and use different types of recharging method.
- E. We recommend to keep your Base Station fixed from 12 AM to 9 AM
- F. We recommend to use retail traffic provider as well as you should not change traffic provider very soon.
- G. To get satisfactory minutes and less sim blocking, use 64 sims to run 16 concurrent calls or use 128 sims to run 32 concurrent calls. Primary idea is you need 4 times more sims, than your concurrent calls.
- H. Optima SIM Saver application needs to build its database slowly with repeatedly dialed phone numbers. 1st day, allow 2 numbers per port for new sims, then increase it slowly after 15 mins interval and at best allow 15 or 20 numbers per port for the whole day, then 2nd day increase 25 or 30. Keep increasing per port limit until you find out what is the best average range on your network operator. You need to run Optima SIM Saver for 4 days minimum to analyse the numbers and build our database with those numbers.

9. Call Filtering Hierarchy

★ Call Filter hierarchy for new number in bucket :

- Whitelist (if the number or Caller ID is Whitelisted, even though same number/ID was in the blacklist, it will ignore and pass the call)
- Blacklist (if the number or Caller ID is blacklisted and not in the whitelist, calls will not pass)
- Call Gap (within the Call Gap period calls will not pass, call Gap counts after a number hits the specific prefix for the port, after the Call Gap time, call will pass)
- Number length[ignore/ block] (will check the number length perimeter, will pass if number came with exact digits, otherwise will block)
- Bucket size limit (will check Bucket is full or not, if full, call will not pass, if there is available bucket space, then callee number or Caller ID will be stored in bucket and call will pass)

★ Call Filter hierarchy for existing number in bucket :

- Whitelist (if the number or Caller ID is Whitelisted, even though same number/ID was in the blacklist, it will ignore and pass the call)
- Blacklist (if the number or Caller ID is blacklisted and not in the whitelist, calls will not pass)
- Call Gap (within the Call Gap period calls will not pass, call Gap counts after a number hits the specific prefix for the port)
- Number Length[ignore/ block] (if the number/ Caller ID is already in the bucket list, will ignore number current number length restriction)
- Bucket size limit (call will hit the specific port now as the number is already in the bucket list)