



EnGenius DuraFon SIP System with ONSIP Sip Service User Guide

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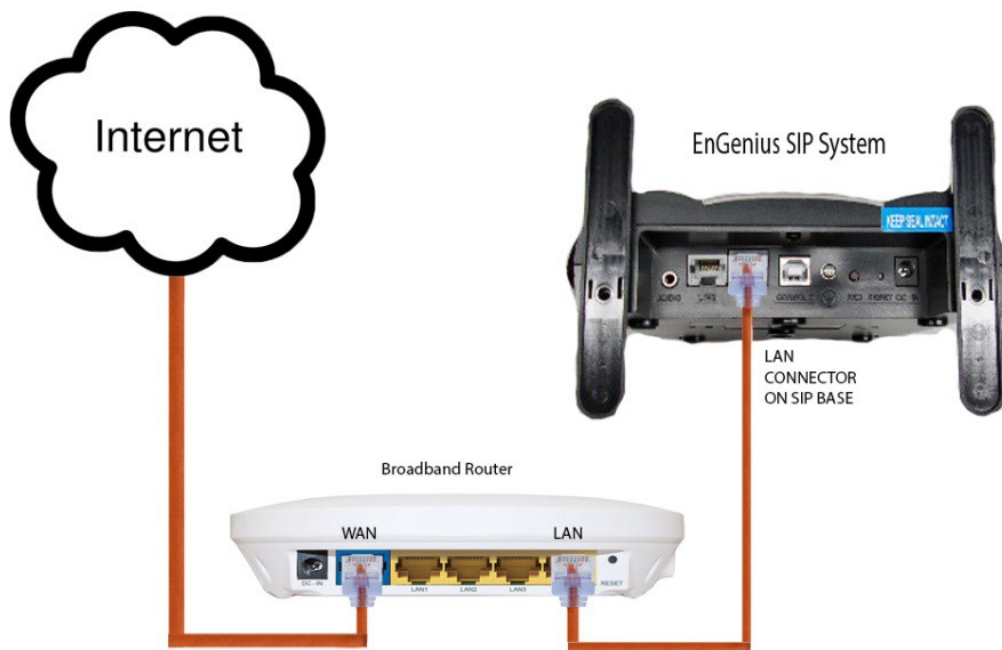


How to Configure an EnGenius DuraFon
SIP System with ONSIP Sip Service.



First, you will need the following Hardware Equipment.

1. EnGenius DuraFon SIP System



2. Broadband Router with Internet Access

Once everything is set up and connected, you are ready to set up the SIP Service.

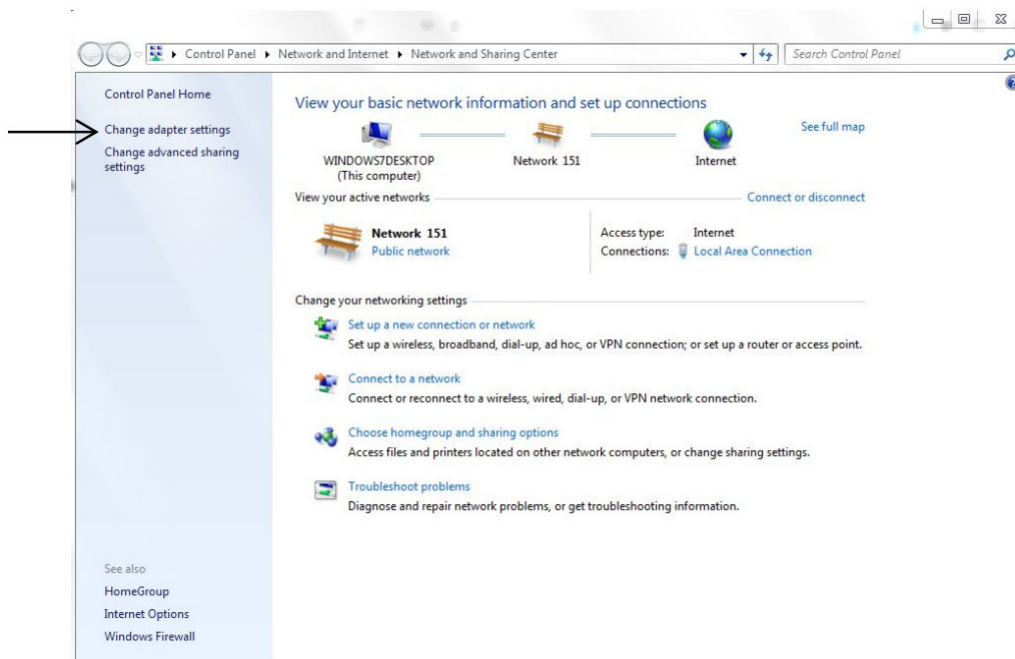
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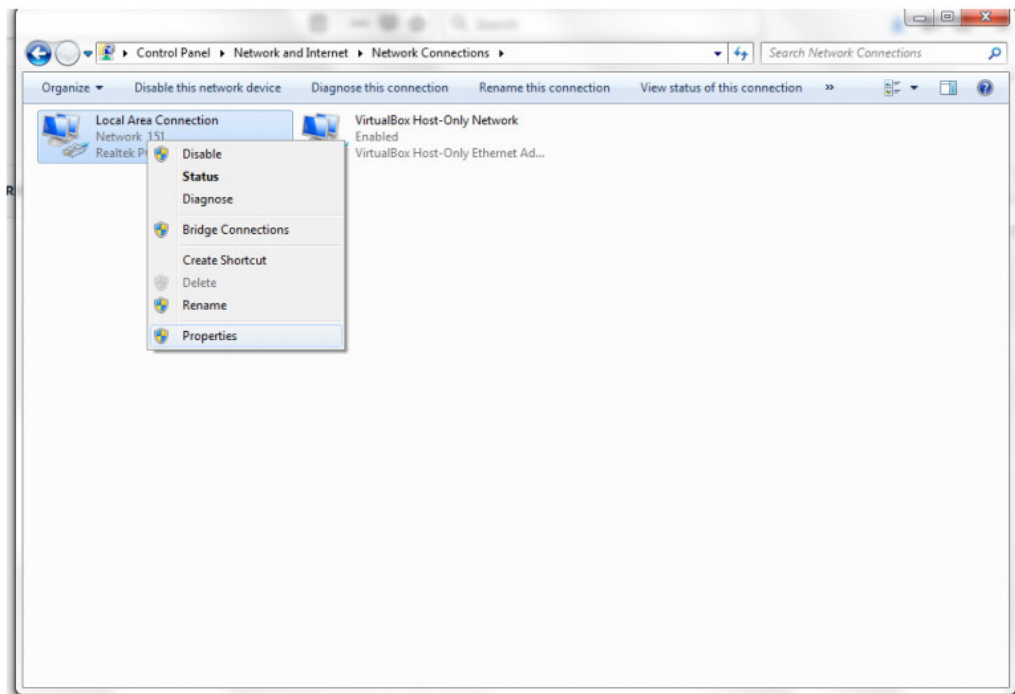
Logging into SIP Base unit Gui

FIRST, you will need to change the LAN settings on the computer that is going to be used to set up the SIP Base Station.

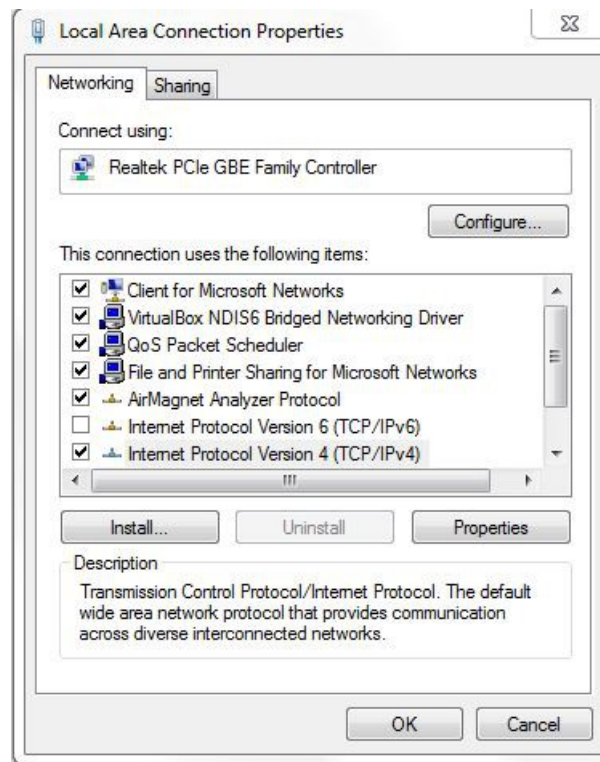
1. Go to the Network and Sharing Center and click on "Change adapter settings"



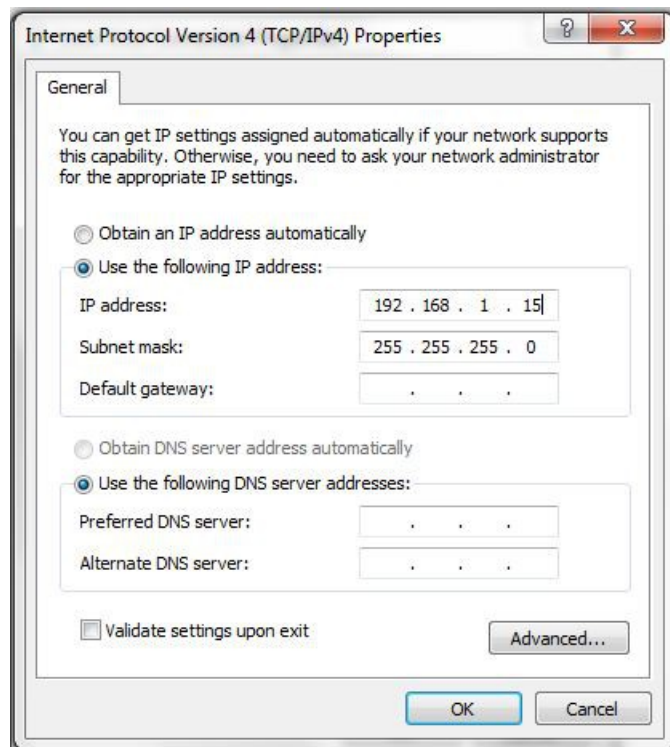
2. Right-click on Local Area Connection and go to Properties



3. Select the internet protocol version 4 (TCP/IPv4)



4. Select: Use the following IP address (also known as a static IP address)



Input: **192.168.1.15** for the IP address and **255.255.255.0** for the subnet mask and press OK.

You are now ready to configure the EnGenius DuraFon SIP System.

Registration of Handsets

Before setting the SIP configuration, the available handset(s) of the DuraFon-SIP must register to the base.

Register Handset:

1. Press and hold the register key on the base until the "INTERCOM" LED changes to a flashing status. The base

can perform the handset registration while the LED is flashing.

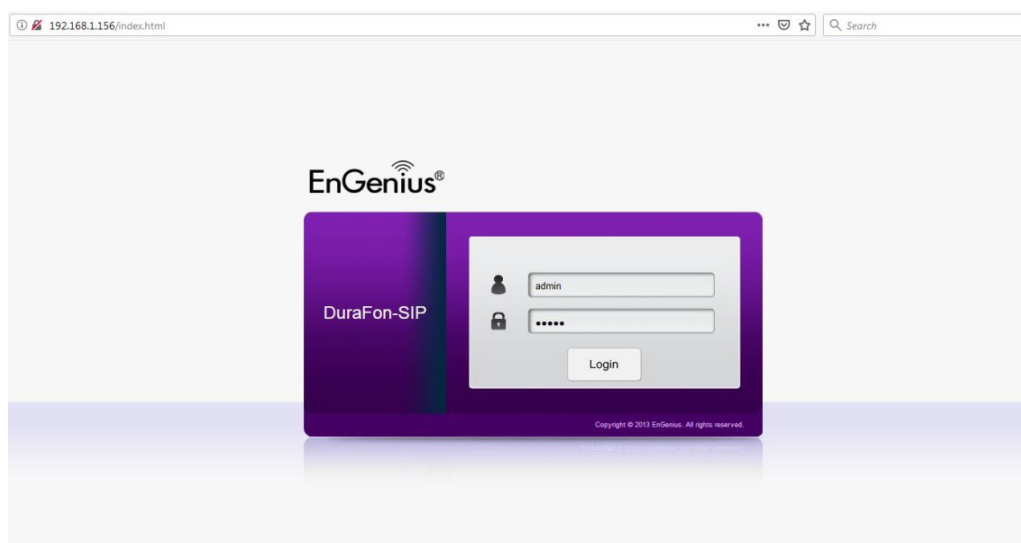
2. On the handset, enter “MENU, 7,1” to enter the registration.
3. The assigned ID (from 10 to 19) will be displayed on the handset LCD, indicating successful registration.
4. Repeat the above steps for all additional handsets.

Once you have successfully registered your handsets to the base unit, you can now go ahead and log in to the SIP Base Unit Go to any of your preferred Internet Browser (Internet Explorer/Firefox/Safari/Chrome) and enter the **IP Address: 192.168.1.156**

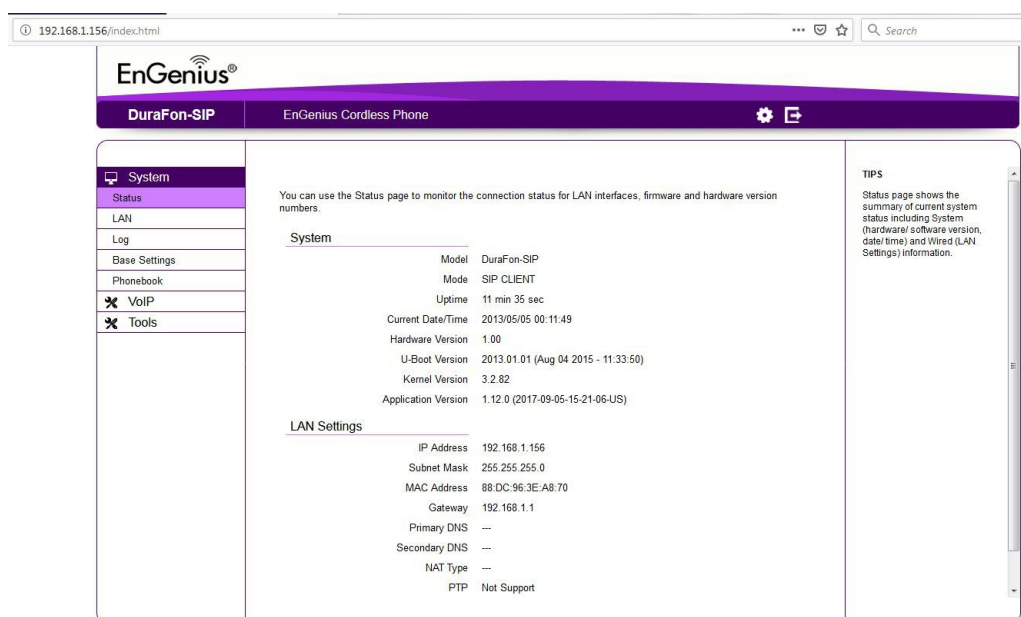
Once prompted to the EnGenius DuraFon SIP Log in page type:

Username: admin

Password: admin



Once you have entered the correct username and password, click the Login button to open the web-based configuration page.



Go to the LAN Tab settings

The screenshot shows the EnGenius DuraFon-SIP web interface. The left sidebar contains a menu with options: System, Status, LAN (selected), Log, Base Settings, Phonebook, VoIP, and Tools. The main content area is titled 'LAN IP' and shows the following settings:

- Mode: ☒ Dynamic IP (DHCP) ☐ Static IP
- IP Address: 192.168.1.156
- IP Subnet Mask: 255.255.255.0
- Default Gateway: 192.168.1.1
- DNS type: Static IP (dropdown)
- Primary DNS: (empty field)
- Secondary DNS: (empty field)
- VLAN: (empty field)
- VLAN Status: disable (dropdown)

At the bottom right of the settings area are 'Apply' and 'Cancel' buttons. On the far right, there is a 'TIPS' section with text about LAN settings.

As shown, its default setting is on the Static IP address.

It is recommended to set the LAN in DHCP mode

This screenshot shows the same EnGenius DuraFon-SIP web interface, but the 'Mode' has been changed to ☒ Dynamic IP (DHCP) ☐ Static IP. The 'DNS type' dropdown is now set to 'Dynamic IP'. The 'Apply' and 'Cancel' buttons remain at the bottom right.

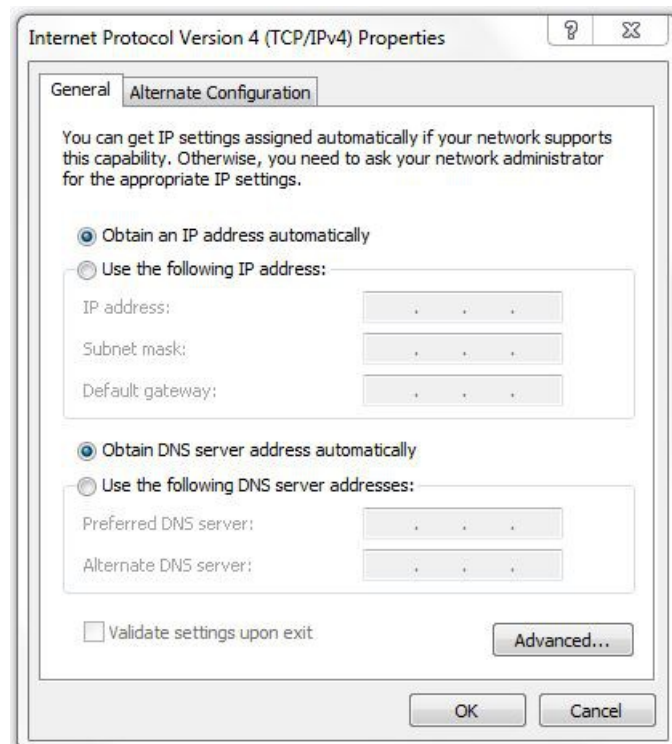
Once you click apply, it will reboot the device for 39 seconds

The screenshot shows the EnGenius DuraFon-SIP web interface after the settings have been applied. The main content area is a large white box with the text: 'System is rebooting, please wait for 38 seconds'. The sidebar and header remain the same.

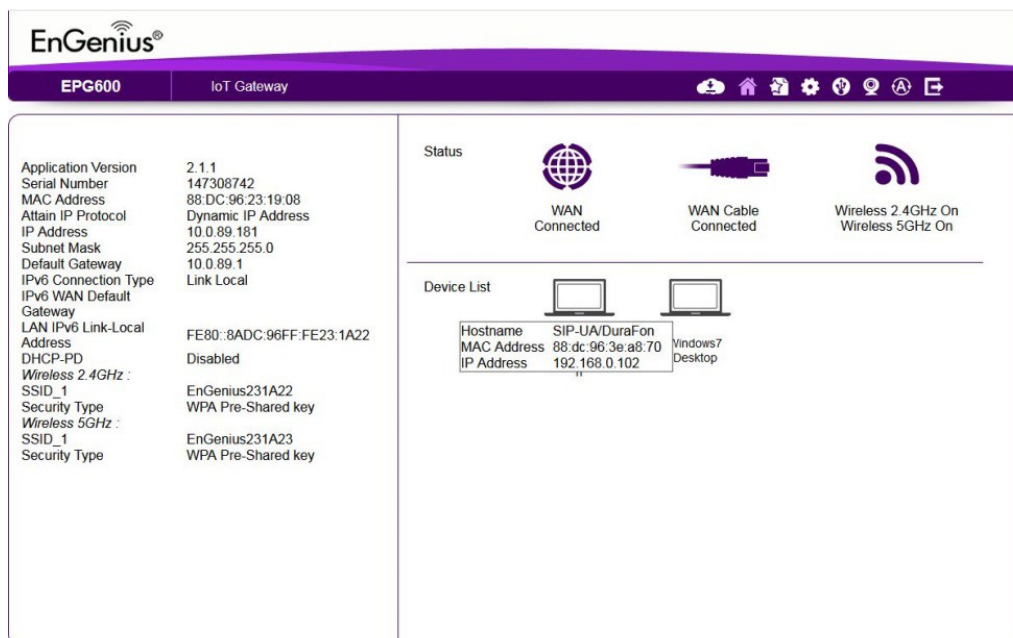
Note: When you change the LAN IP to DHCP, once you click Apply, the change will take effect. You will need to revise your new IP Address from the DHCP Clients on your network.

Go back to the TCP/IP properties tab and select

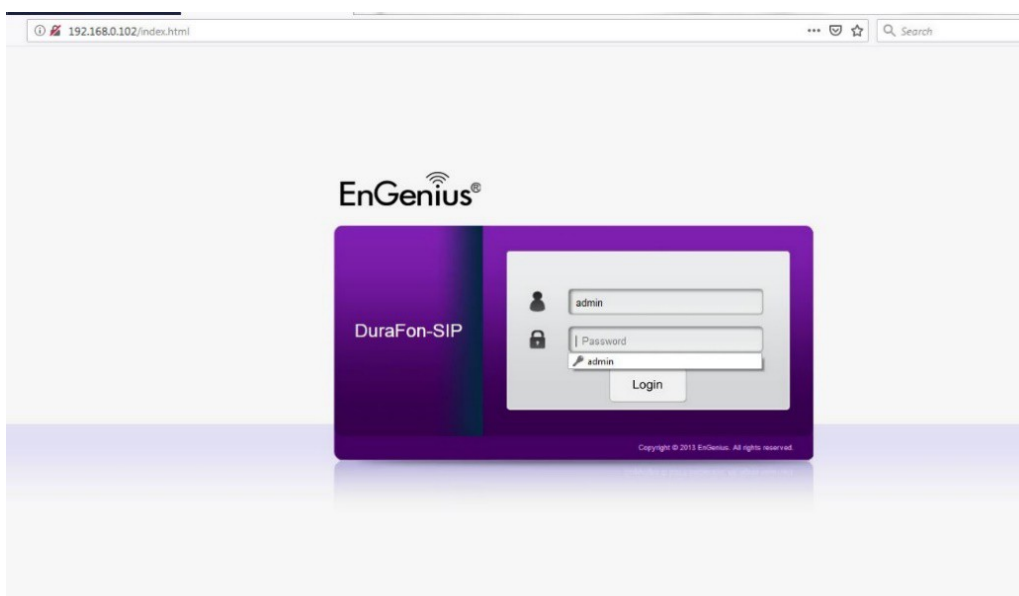
- Obtain an IP address automatically
- Obtain DNS server address automatically



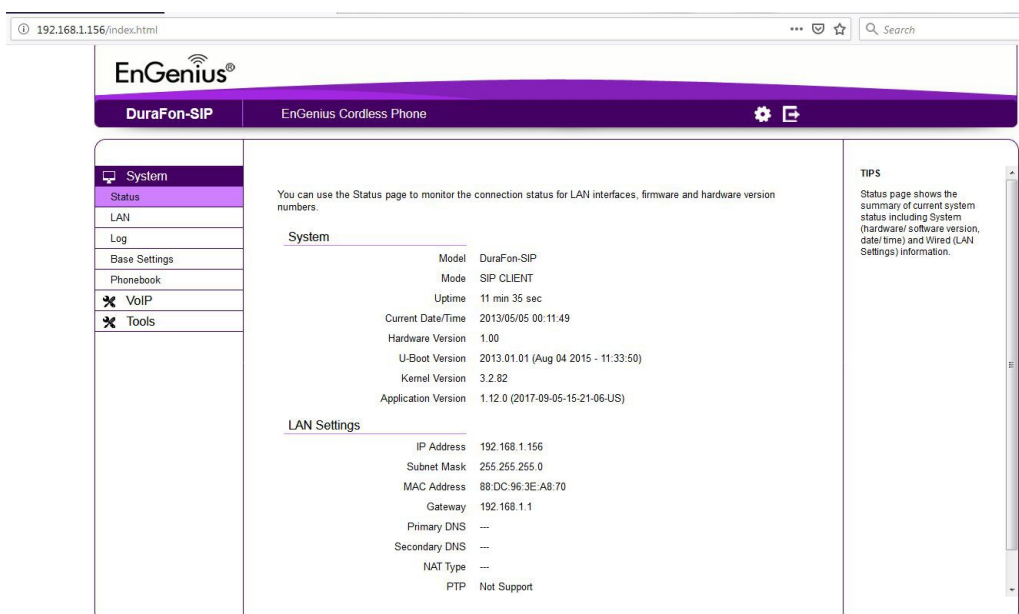
With this step, you will be able to log in to your EnGenius DuraFon SIP base through DHCP. For demonstration purposes, we have used an example of an EnGenius Router, where it showed us the DHCP Client list and our new DHCP IP address to access the DuraFon SIP base unit.



Once obtained the new IP address, we can log in and continue with our setup.



Once you are on the main menu, click on the VoIP Tab and click on the Basic Tab.



In this section, is where you will need to set up your SIP Account Service information, in this case, we will be using our ONSIP Service.

***The key information needed to establish a connection with the OnSip Service are the following:**

VoIP Server IP: engenius.onsip.com
 VoIP Server Port: 5060
 Local Sip Port: 5060
 SIP Outbound Proxy: sip.onsip.com
 SIP Outbound Proxy Port: 5060

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Single Base

VoIP Server IP: engenius.onsip.com
 VoIP Server Port: 5060 (5060-5080) ☒ Indicating Server Port
 VoIP Dial Mode: RFC 2833 ☒ Enable Terminate Key
 Primary Codec: G.711 u-law
 Secondary Codec: G.729
 SIP Transport: Automatic
 STUN: Off
 External IP:
 QoS: On
 DNS SRV: Off
 Allow SDP NAT Rewrite: Off
 Local SIP Port: 5060 (1-65535)
 Local RTP Port: 20000 (even number between 1024-65000)
 RTP Ptime: 20 ms
 SIP Outbound Proxy: sip.onsip.com
 SIP Outbound Proxy Port: 5060 (1-65535)
 User-Agent Headers: SIP-UA/DuraFon
 Registration Expire: 360 (30-65535 seconds)
 MWI Subscribe: Off
 Session Timer: On
 Call Hold Type: RFC 3264
 NAT Keep Alive Method: Disable
 NAT Keep Alive Interval: 15 (15-200 seconds)

Apply Cancel

TIPS
VoIP Server IP:
The destination IP address for VoIP service. You should check the firewall settings on server first if you have connection problem.
VoIP Server Port:
This is the port used for VoIP service. The default port for VoIP service is 5060.

***Everything else stays default, unless requires by the VoIP service provider**

Once you have entered the correct information, you can press APPLY.

***Please note that the information used in this section is for demonstration purposes, you will need to have a SIP Account Service Provider (In this case we used OnSIP Hosted PBX) or a SIP server to set this up.**

Now Go to the Account Setting Tab.

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User List

HS ID	BS-Reg Status	SIP Number	Display Name	SIP-Reg Status	Account Active	Action
10		10	10		Disable	Edit Release
11		11	11		Disable	Edit Release
12		12	12		Disable	Edit Release
13		13	13		Disable	Edit Release
14		14	14		Disable	Edit Release
15		15	15		Disable	Edit Release
16		16	16		Disable	Edit Release
17		17	17		Disable	Edit Release
18		18	18		Disable	Edit Release
19		19	19		Disable	Edit Release
Group Acc						
1		20	Group1		Disable	Edit Release
2		21	Group2		Disable	Edit Release
3		22	Group3		Disable	Edit Release

TIPS
 You can specify the SIP account according to SIP server for each handset. The handset ID from 10 to 19 is provided by the base automatically after doing registration. You can give one SIP account associated with the handset ID.
BS-Reg Status
Indication of the HS registers with BASE station or not.
SIP Number
This is the SIP number name displayed on VoIP user's SIP contact list. Administrator can modify the display name in this page.
Display Name:
This is the display name displayed on VoIP user's SIP contact list. Administrator can modify the display name in this page.
SIP-Reg Status
This item displayed the VoIP user connected status.
Account Active:
This item displayed the account active status.

In this section, is where your SIP Account Users (Extensions) will need to be registered.

Up to 10 Sip Accounts can be registered on an EnGenius DuraFon SIP Base Unit.

***By default, all accounts are disabled, as you add accounts, you will need to enable them as you go.**

Please follow the following steps to add SIP Accounts.

1. Press the edit tab under the “Action menu”.
2. Once you are in the user information settings, the fields that need to be filled are the following”

1. **SIP Number:** In this field, you will type in your “Username” given by the On Sip service provider.
2. **Display Name:** In this field, you can input any name you wish; this will be like the caller id name it will show on the recipient’s phone screen.
3. **Auth Name:** In this field, is where you input the Auth Username given by the SIP Provider.
4. **Password:** In this field, you will input the password supplied by the SIP Service, In this case the SIP PASSWORD on your OnSIP Account.

The screenshot shows the EnGenius DuraFon-SIP web interface. The left sidebar contains a menu with options: System, VoIP, Basic, Account Setting (highlighted), Audio Setting, Auto-Provision, and Tools. The main content area is titled 'User Information Settings' and contains the following fields:

- SIP Number: repair
- Display Name: repair
- Auth Name: engenius_doug
- Password: (masked with asterisks)
- Account Active: ☒ Enable ☐ Disable

Below these fields are 'Apply' and 'Cancel' buttons. On the right side, there is a 'TIPS' section with the following text:

TIPS
You can specify the SIP account according to SIP server for each handset. The handset ID from 10 to 19 is provided by the base automatically after doing registration. You can give one SIP account associated with the handset ID.

BS-Reg Status
Indication of the HS registers with BASE station or not.

SIP Number
This is the SIP number name displayed on VoIP user's SIP contact list. Administrator can modify the display name in this page.

Display Name:
This is the display name displayed on VoIP user's SIP contact list. Administrator can modify the display name in this page.

SIP-Reg Status
This item displayed the VoIP user connected status.

Account Active:
This item displayed the account active status.

In the window below, it shows the OnSIP account information setting.

The screenshot shows the OnSIP web interface. The left sidebar contains a menu with options: Dashboard, Users, Groups, Apps, Resources, Reports, and Account. The main content area displays the account information for a user named 'Repair'. The user's status is 'Online'.

NAME	EXTENSIONS	STATUS	MAILBOX	Eggs
Repair	x8845	Online	None	Disabled

Below the table, there are several sections for configuration:

- SIP Address:** repair@engenius.onsip.com
- Extensions, Phone Numbers, & SIP Addresses:** Extension: 8825
- Music On Hold:** Music Stream: Elevator
- Voicemail:** No voice mailbox assigned to user
- Eggs Emergency Response Location:** Eggs is disabled. Enable Eggs for this PBX.
- Maintenance:** SIP: 1 Registration (show details), Provisioning: None, Send Welcome Email, Email Voicemail Configuration Instructions, Send OnSIP app Password Reset Email.
- Contact Information:** Repair, EnGenius, 1250 scenic ave, costa mesa, CA 92627
- Group Membership:** (Group) Test 012
- OnSIP Trunking:** OnSIP Trunking is turned off for this user.
- Inbound Call Preferences:** Ring: forward
- Outbound Call Preferences:** PSTN Caller ID: use phone settings
- Phone Configuration:** Address of Record: repair@engenius.onsip.com, SIP Password: [masked], Auth Username: engenius_doug, Username: repair, Domain: engenius.onsip.com, Outbound Proxy: sip.onsip.com
- Permissions:** Queue Supervisor: No

Once you have inputted the correct Login information press **Apply** If you successfully inputted the information, you should get a green light on “**SIP- Reg Status**”. This indicates that the account is active.

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User List

HS ID	BS-Reg Status	SIP Number	Display Name	SIP-Reg Status	Account Active	Action
10	🟢	repair	repair	🟢	Enable	<button>Edit</button> <button>Release</button>
11	🟢	11	11	🟡	Disable	<button>Edit</button> <button>Release</button>
12	🟢	12	12	🟡	Disable	<button>Edit</button> <button>Release</button>
13	🟢	13	13	🟡	Disable	<button>Edit</button> <button>Release</button>
14	🟡	14	14	🟡	Disable	<button>Edit</button> <button>Release</button>
15	🟡	15	15	🟡	Disable	<button>Edit</button> <button>Release</button>
16	🟡	16	16	🟡	Disable	<button>Edit</button> <button>Release</button>
17	🟡	17	17	🟡	Disable	<button>Edit</button> <button>Release</button>
18	🟡	18	18	🟡	Disable	<button>Edit</button> <button>Release</button>
19	🟡	19	19	🟡	Disable	<button>Edit</button> <button>Release</button>

TIPS

You can specify the SIP account according to SIP server for each handset. The handset ID from 10 to 19 is provided by the base automatically after doing registration. You can give one SIP account associated with the handset ID.

BS-Reg Status
Indication of the HS registers with BASE station or not.

SIP Number
This is the SIP number name displayed on VoIP user's SIP contact list. Administrator can modify the display name in this page.

Display Name:
This is the display name displayed on VoIP user's SIP contact list. Administrator can modify the display name in this page.

SIP-Reg Status
This item displayed the VoIP user's registration status.

Scroll Down and Press “APPLY” to save all changes.

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13	🟢	13	13	🟡	Disable	<button>Edit</button> <button>Release</button>
14	🟡	14	14	🟡	Disable	<button>Edit</button> <button>Release</button>
15	🟡	15	15	🟡	Disable	<button>Edit</button> <button>Release</button>
16	🟡	16	16	🟡	Disable	<button>Edit</button> <button>Release</button>
17	🟡	17	17	🟡	Disable	<button>Edit</button> <button>Release</button>
18	🟡	18	18	🟡	Disable	<button>Edit</button> <button>Release</button>
19	🟡	19	19	🟡	Disable	<button>Edit</button> <button>Release</button>

Group Acc

1	🟢	20	Group1	🟡	Disable	<button>Edit</button> <button>Release</button>
2	🟢	21	Group2	🟡	Disable	<button>Edit</button> <button>Release</button>
3	🟢	22	Group3	🟡	Disable	<button>Edit</button> <button>Release</button>
4	🟢	23	Group4	🟡	Disable	<button>Edit</button> <button>Release</button>
5	🟢	24	Group5	🟡	Disable	<button>Edit</button> <button>Release</button>
6	🟢	25	Group6	🟡	Disable	<button>Edit</button> <button>Release</button>
7	🟢	26	Group7	🟡	Disable	<button>Edit</button> <button>Release</button>

Apply

SIP Number

This is the SIP number name displayed on VoIP user's SIP contact list. Administrator can modify the display name in this page.

Display Name:
This is the display name displayed on VoIP user's SIP contact list. Administrator can modify the display name in this page.


SIP-Reg Status
This item displayed the VoIP user connected status.

Account Active:
This item displayed the account active status.

Action:
Edit - To edit the VoIP account setting.
Release - Release this account to default settings.

You have successfully registered a SIP account, if you need to add more Sip Accounts extensions, follow the steps.

Documents / Resources

<div> <div>EnGenius</div> <div>How to Configure an EnGenius DuraFon SIP System with ONSIP Sip Service</div> <div>  </div> </div>	EnGenius EnGenius DuraFon SIP System with ONSIP Sip Service [pdf] User Guide EnGenius DuraFon SIP System with ONSIP Sip Service
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References

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[Powered by OnSIP](#)