

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 setup and connected, you are ready to setup the SIP Service.

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 setup 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)

General	
You can get IP settings assigned this capability. Otherwise, you n for the appropriate IP settings.	d automatically if your network supports need to ask your network administrator
Obtain an IP address autor	natically
• Use the following IP addres	s:
IP address:	192.168.1.15
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address	automatically
• Use the following DNS serv	er addresses:
Preferred DNS server:	
Alternate DNS server:	· · ·
Validate settings upon exi	Advanced

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 handset, enter "MENU, 7,1" to enter the registration.
- (3) The assigned ID (from 10 to 19) will be displayed on 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 Login 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

0 🔏 192.168.1.156/index.html			ເ ☆	Q Search
	EnGenius®			
			_	
		admin		
	DuraFon-SIP			
		Login		
		Copyright @ 2013 EnGenius. All rights reserve	ed.	

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

EnGenius®			
DuraFon-SIP	EnGenius Cordless Phone	* E	
System Status LAN Log Base Settings Phonebook X VolIP X Tools	You can use the Status page to monitor the numbers. System Model Uptime Current Date/Time Hardware Version U-Bot Version Kernel Version Application Version LAN Settings IP Address Subnet Mask MAC Address Gateway	connection status for LAN interfaces, firmware and hardware version DuraFon-SIP SIP CULENT 11 min 35 sec 2013/06/J05 00:11:49 1.00 2013.01.01 (Aug 04 2015 - 11:33:50) 3.2 82 1.12.0 (2017-09-05-15-21-06-US) 192.168.1.156 255.255.0 88.DC:96.3E:A8.70 192.168.1.1	TIPS Status page shows the summary of current system status including system (hardware) software (LA Settings) information.
	Primary DNS Secondary DNS NAT Type PTP		

Go to the LAN Tab settings

DuraFon-SIP	EnGenius Cordless	Phone	* E	
Status Log Base Sattings Phonebook VolP Tools	Mode LAN IP IP Address IP Subnet Mask Default Gateway DNS DNS type Primary DNS Secondary DNS VLAN VLAN Status	Opynamic IP (DHCP) Static IP 192.168.1.156 255.255.0 192.168.1.1 Static IP disable Apply	Cancel	TIPS LAN Settings allows you to configure you may an entropy. Your outout iP is defined by IP DNS server to mate special from and to make any configure to the section. Please keep the default value in you are uncertain about these settings.

As shown, its default setting is on Static IP address. It is recommended to set the LAN in DHCP mode

DuraFon-SIP	EnGenius Cordless Pl	none	* E	
System Status LAN Log Base Settings Phonebook XolpP Xools	Mode DNS DNS type Primary DNS Secondary DNS VLAN VLAN Status	Dynamic IP (DHCP) Static IP Dynamic IP disable Apply Cal	ncel	TIPS LAN Settings allows you to configure your wired network address) field. For advanced users, you may also change DNS server to meet special requirement. Usually, you do changes on this section. Prease keep to dedaut value if you are uncertain about these settings.

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



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

eneral	Alternate Configuration				
You car this cap for the	n get IP settings assigned autor ability. Otherwise, you need to appropriate IP settings.	matically if ask your i	your n networ	etwork s 'k admini:	upports strator
() Oł	otain an IP address automatical	lly			
O Us	e the following IP address: —				
IP ac	ldress:	្ន	÷.	1	
Subr	iet mask:	,	•	÷	
Defa	ult gateway:		÷	5	
() O	otain DNS server address autor	natically			
O Us	e the following DNS server add	resses:			
Prefe	erred DNS server:	4	- 22		
Alter	nate DNS server:	1	÷		
V	alidate settings upon exit			Adva	nced

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.

EnGenius®		
EPG600	loT Gateway	📣 🎢 🗃 🌩 🥹 🖉 🔂
Application Version Serial Number MAC Address Attain IP Protocol IP Address Subnet Mask Default Gateway IPv6 Connection Type Default Gateway IPv6 Connection Type Ver WAN Default Gateway LAN IPv6 Link-Local Adress Default Gateway SID_1 Security Type Wireless 5GHz : SSID_1 Security Type	2.1.1 147308742 88.DC:96.2319.08 Dynamic IP Address 100.88,181 255.255.255.05 100.88,11 Link Local FE80: 8ADC:96FF:FE23:1A22 Disabled EnGenius/231A22 WPA Pre-Shared key EnGenius/231A23 WPA Pre-Shared key	Status WAN Connected WAN Cable Connected WAN Cable Connected WAN Cable Connected WAN Cable Connected Wareless 2.4CHz On Wreless 5GHz On Wreless 5GHz On Wreless 5GHz On Wreless 5GHz On Wreless 5GHz On Wreless 102 Post Paddress 88 dc 99 3e a8 70 Pestop

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

EnGeniius®		
admin admin		
Duration-SIP		
Logi	in	
Copy	right @ 2013 EnGenius. All rights reserved.	

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

DuraFon-SIP	EnGenius Cordless Phor	e	\$ ⊡
System System Source Setting Audo Setting Audo Setting Audo Provision Tools	Single Base VeP Sare IP VeP Sare IP VeP Dai Mode Pinnay Codec Seconday Codec SiP Tansport STW Estemal IP OoS DAS SRV Allos SCP HAT Remite Local KTP Port Local KTP Port Local KTP Port RTP Pinne SIP Outboard Proxy SIP Outboard Proxy SIP Outboard Proxy Port User Agent Headers	192.168.0.1 192.168.0.1 RFC 2833 ■ [2] Indicating Samer Port RFC 2	TIPS Was described by the desses for Val service. You should check the ferwal setting and check the ferwal setting and check the ferwal setting check the ferwal setting check the ferwal setting was a set of the fermal setting the fermal setting setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting setting the fermal setting the fermal setting setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal setting the fermal

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

*The key information needed to establish 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

EnGenius®			
DuraFon-SIP	EnGenius Cordless Phor	ne 🤹	F 🕒
System VoIP Basic Account Setting	Single Base	engerius.onsip.com	TIPS VoIP Server IP: The destination IP address for VoIP service. You should check the firewail settings on server first I/ you have
Auto-Provision Tools	VoIP Dial Mode Primary Codec Siendrary, Codec SIP Transport STUN External IP QoS DNS SRV Allow SDP NAT Rewrite Local SIP Port Local SIP Port RTP Prime SIP Outbound Proxy SIP Outbound Proxy SIP Outbound Proxy Port User-Agent Headers	RFC 2833 ▼ Image: Enable Terminate Kay C.711 u-lew ▼ Automatic ▼ Off ▼ Off ▼ Off ▼ Off ▼ 0ff ▼ 50600 (1-65535) 590-00 (1-65535) 590-00 (5-6503 seconds)	Web Server Port This is the port used for volP service. The default port for volP service is 5000.
	MWI Subscribe Session Timer Call Hold Type NAT Keep Aine Method NAT Keep Aine Internal	Off • On • Disable • 15 (15-200 seconds) Apply Cancel	

*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.

EnGenius®									
DuraFon-SIP	EnGenius C	ordless P	hone					⇔ ⊡	
 System VoIP Basic Account Setting 	User List HS ID	BS- Reg Status	SIP Number	Display Name	SIP- Reg Status	Account Active		Action	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
Audio Setting	10	0	10	10	0	Disable	Edit	Release	registration. You can give one SIP account associated with
Auto-Provision	11	0	11	11	0	Disable	Edit	Release	the handset ID.
K 100IS	12	0	12	12	0	Disable	Edit	Release	BS-Reg Status Indication of the HS registers
	13	0	13	13	0	Disable	Edit	Release	with BASE station or not.
	14	0	14	14	0	Disable	Edit	Release	SIP Number This is the SIP number name
	15	0	15	15	0	Disable	Edit	Release	contact list. Administrator can modify the display name in
	16		16	16		Disable	Edit	Delease	this page.
	10		17	10		Disable		Deleges	Display Name: This is the display name
	1/	0	1/	17	0	Disable	Edit	Release	displayed on VoIP user's SIP contact list. Administrator can
	18	0	18	18	0	Disable	Edit	Release	modify the display name in this name
	19	0	19	19	0	Disable	Edit	Release	SIP.Reg Status
	Group Acc								This item displayed the VolP
	1	0	20	Group1	0	Disable	Edit	Release	Account Active:
	2	0	21	Group2	0	Disable	Edit	Release	This item displayed the account active status
	3	0	22	Group3	0	Disable	Edit	Release	Action:

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.

EnGenius®			
DuraFon-SIP	EnGenius Cordless Phone		* E
System VoIP Basic Account Setting Audio Setting Audio Setting Audio Provision Tools	User Information S SIP Number Display Name Auth Name Password Account Active Apply Cancel	ettings repair engenius_doug 	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 doging the provided by the base automatically after doging the handset ID. SIP account as sociated with the handset ID. SIP account is the SIP number name displayed on VoIP user's SIP contact Ist. Administrator can modify the display name in this page. SIP Acg Status This is the display dog the VoIP user connected status. Action:

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

€ → ♂ û	🛈 🖲 🔒 https://admin.onsi	p.com/users		0	🛛 🚖 🔍 Search		± II\ ©		
onsıp					engenius.onsip.com	L doug .gen	igenius.onsip.com		
	Search	0							
Dashboard	NAME	EXTENSIONS	STATUS		MAILBOX	E911			
Jsers	Repair	×8825	Online		None	Disabled			
Groups	SIP Address repair@engenius.onsip.com		modify	Contact Information Repair EnGenius					
lesources	Extensions, Phone Number Extension: 8825	modify	1580 scenic ave costa mesa, CA 92627	1980 scenic ave costa mesa, CA 92627					
Reports	Music On Hold Music Stream: Elevator		modify	Group Membership			modify		
Account	Voicemail No voice mailbox assigned to r	Onsep Transing Onsep Transing Onsep Transing Onsep Transing							
	Eg11 Emergency Response Eg11 is disabled. Enable Eg11 R	Location or this PBX.		Inbound Call Preferences modify Outbound Call Preferences					
	Maintenance SIP 1 Registration (show details Provisioning: None	a la							
	Send Welcome Email Email Voicemail Configuration I Send OnSIP app Password Res	nstructions et Email		PSTN Caller ID: use phone settings modify					
				Phote Configuration Address of Receive: Income progenitus control com SP Pausawett: Not — Auglikit, Geggs Address Address', Geges, Auglikit, Geggs Address Address', Strangenitus, Address, Geges Domain: expense com Outbound Program composition					
				Permissions Queue Supervisor: No			modify		
	Peter	×8845	Online		None	Disabled	delete disable		
	SIP Address			Contact Information					

Once you have inputted the correct Log In 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.

DuraFon-SIP	EnGenius Cordless Phone					* E					
System VolP Basic Account Setting	User List HS ID	BS- Reg Status	SIP Number	Display Name	SIP- Reg Status	Account Active		Action	TIPS You can specify the SIP account according to SIP server for each handset. The handset ID from 50 to 19 is provided by the base systematically after one		
Audio Setting	10	0	repair	repair	0	Enable	Edit	Release	registration. You can give one SIP account associated with		
Auto-Provision	11	0	11	11	0	Disable	Edit	Release	the handset ID.		
K Tools	12	0	12	12	0	Disable	Edit	Release	BS-Reg Status Indication of the HS registers with BASE station or not		
	13	0	13	13	0	Disable	Edit	Release	SIP Number		
	14	0	14	14	0	Disable	Edit	Release	displayed on VoIP user's SIP contact list. Administrator can		
	15	0	15	15	0	Disable	Edit	Release	modify the display name in this page.		
	16	0	16	16	0	Disable	Edit	Release	Display Name: This is the display name		
	17	0	17	17	0	Disable	Edit	Release	displayed on VoIP user's SIP contact list. Administrator can		
	18	0	18	18	0	Disable	Edit	Release	modify the display name in this page.		
	19	0	19	19	0	Disable	Edit	Release	SIP.Reg Status This item displayed the VolP		

Scroll Down and Press "APPLY" to save all changes.

13 0 14 0 15 0 16 0 17 0 18 0	13 14 15 16 17	13 14 15 16	000	Disable Disable Disable	Edit Edit	Release Release	SIP Number This is the SIP number name displayed on VoIP user's SIP contact list. Administrator car
14 @ 15 @ 16 @ 17 @ 18 @	14 15 16 17	14 15 16	000	Disable Disable	Edit	Release	displayed on VolP user's SIP contact list. Administrator car
15 @ 16 @ 17 @ 15 @	15 16 17	15 16	0	Disable	Edit		
16 @ 17 @ 18 @	16 17	16	0			Release	modify the display name in page.
17 @	17			Disable	Edit	Release	Display Name: This is the display name
18		1/	0	Disable	Edit	Release	displayed on VoIP user's SIP contact list. Administrator car
	18	18	0	Disable	Edit	Release	page.
19 🙆	19	19	۲	Disable	Edit	Release	SIP-Reg Status This item displayed the VoIP
Group Acc							user connected status.
1 🧿	20	Group1	0	Disable	Edit	Release	Account Active: This item displayed the
2 🧿	21	Group2	0	Disable	Edit	Release	Action:
3 🧿	22	Group3	0	Disable	Edit	Release	Edit - To edit the VoIP accoursetting.
4 🙆	23	Group4	0	Disable	Edit	Release	Release - Release this account to default settings.
5 🧿	24	Group5	0	Disable	Edit	Release	
		Group6	0	Disable	Edit	Release	
6 🧿	25						

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