

WiFi/Zigbee Gateway user manual

Mode:GWZ2100

Manual overview

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Handbook amendments

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Directory

Product overview

Specification.....	4
Context.....	5
System.....	5
Function.....	5

Installation (for quickly setting)

Gateway connection set	6
Gateway basic group State set	7
WIFI wireless network established	8
Zigbee sensor pairing	9
WAN Internet set	10
Config backup set	11
camera setting	11

Detailed function

HES Settings (HES Gateway basic parameter).....	12
ZigBee (Zigbee wireless signals).....	14
IP Camera Settings (IP camera set).....	16
Wireless (Wi-Fi wireless network).....	16
IPv4 Network Settings (IPv4 network set).....	19
VPN Settings (Agent server set).....	22
Management (State Management).....	22
Logout (cancellation).....	27

Product overview

Package contents

Gateway Host, power supplies adapter DC12V/1A X1, and 3dB Antenna X2, the instructions say this

Function overview

Through Zigbee smart management architecture based on the agreement, which applies to indoor advantage, integration of TCP/IP concepts, using Wi-Fi through wireless data collector link Ethernet to cloud background, offering users surveillance, monitoring, calculation, analysis services, and then with the HMI Interface, smart device zero interaction with the user, a smart home management system distribution, however.

Features

- Via Ethernet, local area network, WLAN, and LAN Ethernet complete IPv4/IPv6 network connection
- This device is looking forward to cure network commands and Web user interface support
- Secure server identity authentication and connection
- Reliable control and rapid response program logic controls
- Keep 32 nodes in wireless sensor networks, maximum expandable up to 64 nodes
- Pairing simplified Network Setup for wireless sensor networks
- ActiveSync to manage data and status between the WAN and local managers
- Support USB PORT can connect pen drive

Installation (for quickly setting)

Gateway Connect DC power supply after about 30 seconds: normal operation, **Please note the following new devices what time :**

1. Wi-Fi functionality **is not turned on** , use a cable way to do set up for the first time.
2. LAN 's factory default IP to **192.168.5.1**
3. User ID:**Admin** / password:**123456**

First, Gateway connection setting

1. Use a CAT5 **network cable** , one end connected **Gateway LAN**, connect one end of your **network card** .
2. Open up your Control Panel > network and sharing Center > change adapter settings > you are connected to the network card > right mouse button.
3. Confirm that your network card is the IPv4 DHCP (**Automatic IP**, Gateway distribution).
4. Or manually set to **the 192.168.5.X** segments (**the x** stands for any number, not with the same equipment, such as**2~199**).
5. Open your **browser** (IE or Chrome)
6. At the URL input **192.168.5.1**(Gateway IP), and press Enter.
7. Show login authentication screen, enter your account number:**Admin** password:**123456**
8. Login complete show Gateway present information, as well as set menus.

Second, theGateway basic configuration settings

※HES Settings > Basic Settings

Product Name : This way you can freely enter the **project name** (limited English and Arabic numerals)

Location : **Improved narrative installation** (limited English and Arabic numerals)

Site contents:

- HES Settings
- Basic Settings
- Server Settings
- ZigBee
- IP Camera Settings
- Wireless
- IPv4 Network Settings
- VPN Settings
- Management
- Logout

Basic Settings

This page allows you to change the configuration of HES (Home Energy Saving) daemon which is a bridge to transparently transmit commands between HES server and sensor nodes.

Gateway Common Information:

Product Name:	HES-Gateway	(31 chars)
Location:		(63 chars)
Gateway ID:	202	
Firmware Version:	1.0.0b1(DC22800.00)-20130523-en 2013-05-23 23:27:13 +0800	
Current Time:	2012-7-1 1:20:45	

Gateway Transmission Information:

Transmission Mode: ☒ Single mode ☐ Multi mode

Threshold:	10	(1~20 records)
Time Limitation:	60	(5~60 seconds)
Resend Timer:	6	(5~60 seconds)
Max Resend Times:	10	(5~30 times)

※HES Settings > Server Settings

Enable Management Server (this option **Select the checkbox** to enable this feature)

Auto Account Generation (**not checked** , logged in using a personal account)

Username : Service and enter your **registered account** (31 chars)

Password : Enter your service provider **registration password** (31 chars)

Server Address : **60.251.200.67** or **eHome.sensingtek.com**

Server Listen Port : **3000**



Third, the WIFI wireless network set up

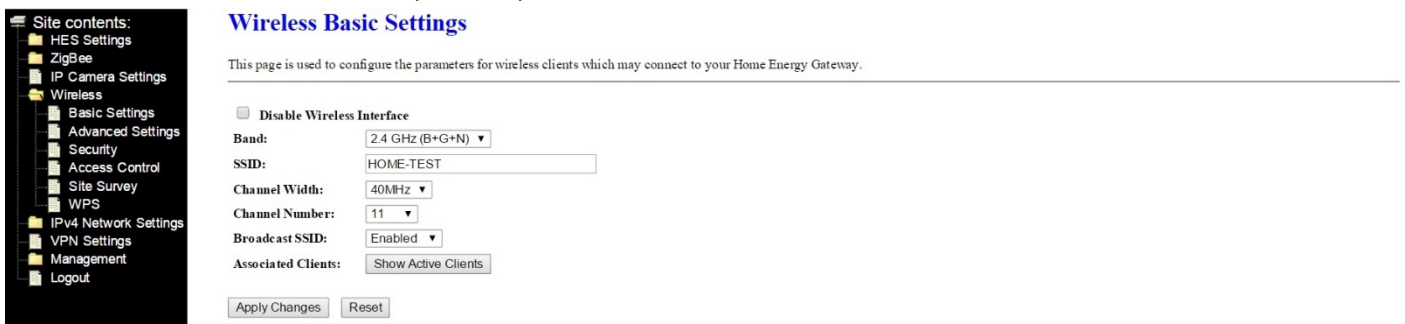
※Wireless Basic Settings

Disable Wireless Interface (this option checked and turned off the Wi-Fi function, **Please check the open Wi-Fi**)

Band :: **2.4 GHz (B+G+N)** (using different modes)

SSID : **Set you want to use Wi-Fi name (letters and numbers)**

Channel Width : **40MHz** (power options)



※Wireless Security Setup

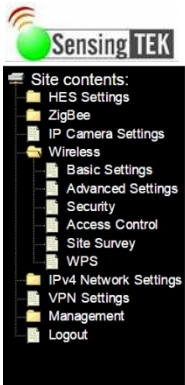
Encryption : **WPA2**

Authentication Mode : **Personal** (Pre-Shared Key)

WPA2 Cipher Suite : **AES**

Pre-Shared Key Format : **Passphrase** (password-sharing system, necessary)

Pre-Shared Key : **Set your wireless network password (secret keys to a total of ten characters)**



Wireless Security Setup

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

HOME-TEST ▼ Apply Changes Reset

Encryption: WPA2 ▼

Authentication Mode: ☐ Enterprise (RADIUS Key) ☒ Personal (Pre-Shared Key)

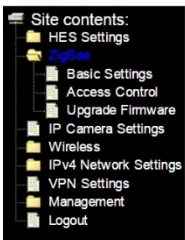
WPA2 Cipher Suite: ☐ TKIP ☒ AES

Pre-Shared Key Format: Passphrase ▼

Pre-Shared Key:

Four,Zigbee sensor pairs

- ※ Zigbee sensor (temperature, humidity, smart Sockets, alarms, smoke detectors, carbon monoxide detection,PIR And so on).
- ※ The new sensor has not been paired, while operating in the power transmission for the first time automatically with your Gateway pairing, pairing simply follow the steps again to reconnect the sensor Rester can match mode is entered automatically, and to complete the pairing.
- ※ The match started advising you to Gateway with a sensor is placed in your hand, in order to facilitate confirmation information.
- ※ The pairing process begins first Gateway transmission operation , login to Zigbee Access Control page .
- ※ Reference sensors Sensor Reset ,Reset transmission will take place automatically after pairing.



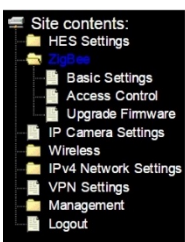
ZigBee Access Control

This table shows the sensor nodes' MAC address and signal strength nearby. You can select any nodes (at most 32) in the list so as to control and manage them by the remote server implicitly. This table will tell you the neighbour nodes nearby (up to 64).

Refresh Interval: None ▼ Refresh Now

No	MAC Address	Uplink LQI	Downlink LQI	Allow
Apply Changes Reset				

- ※ Use the Refresh Now to update the page and check the sensor MAC Address confirm pairing is successful or not.



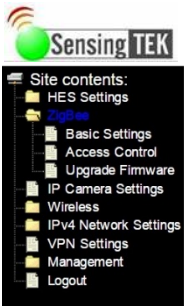
ZigBee Access Control

This table shows the sensor nodes' MAC address and signal strength nearby. You can select any nodes (at most 32) in the list so as to control and manage them by the remote server implicitly. This table will tell you the neighbour nodes nearby (up to 64).

Refresh Interval: None ▼ Refresh Now

No	MAC Address	Uplink LQI	Downlink LQI	Allow
1	00:15:8d:00:01:a6:e:b4	connected	connected	☒
Apply Changes Reset				

- ※ Matched Sensor, at this point in the Allow column check enabled (uncheck the causes APP program does not display), and then click Apply Changes Store settings, you can complete all the matching operation.



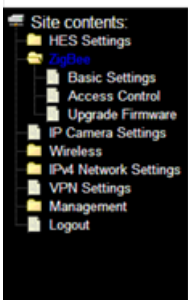
ZigBee Access Control

This table shows the sensor nodes' MAC address and signal strength nearby. You can select any nodes (at most 32) in the list so as to control and manage them by the remote server implicitly. This table will tell you the neighbour nodes nearby (up to 64).

Refresh Interval:

No	MAC Address	Uplink LQI	Downlink LQI	Allow
1	00:15:8d:00:00:1a:6e:b4	connected	connected	☒

※ Each row in the list represents the sensor, pairing complete recall checked Allow and press Apply Change completed.



ZigBee Access Control

This table shows the sensor nodes' MAC address and signal strength nearby. You can select any nodes (at most 32) in the neighbour nodes nearby (up to 64).

Refresh Interval:

No	MAC Address	Uplink LQI	Downlink LQI	Allow
1	bc:4b:79:02:00:00:08:b8	not connected	not connected	☒
2	bc:4b:79:02:00:00:07:5b	not connected	not connected	☐
3	bc:4b:79:02:01:00:00:11	not connected	not connected	☐

Five, WAN Internet setting

※ Gateway Ethernet settings through DHCP (floating IP), and Static IP (fixed IP), and PPPoE (dial)

※ Please choose one according to your Internet habits online.

※ Gateway is a substitute home AP external connected device.



IPv4 WAN Interface Setup

This page is used to configure the parameters for Internet network which connects to the WAN port of your Home Energy Gateway. Here you may change the access method to static IP, DHCP or PPPoE by click the item value of WAN Access type.

Physical Media Type:

WAN Access Type:

Host Name:

MTU Size: (576~1500 bytes)

IPv4 WAN Interface Setup

This page is used to configure the parameters for Internet network which connects to the WAN port of your Home Energy Gateway. Here you may change the access method to static IP, DHCP or PPPoE by click the item value of WAN Access type.

Physical Media Type:

WAN Access Type:

IP Address:

Subnet Mask:

Default Gateway:

MTU Size: (576~1500 bytes)

※ Recommended regardless of the connection mode selection, we recommend you the following features enabled all checked.

Enable Ping Access on WAN

Enable Web Server Access on WAN

Enable Middle Gateway Daemon Access on WAN

Enable FTP Access on WAN



Five, Config configuration file backup sets

※ You can backup all your saved settings, to facilitate response to demand to use it again.

Management options select Save/Reload Settings > Save Settings To File: click SAVE path selection screen appears in the box, you select path and press the store button to complete the backup operation.



Six, camera setting

※ Please refer to the camera's manual through the Wi-Fi settings and Gateway online.

※ The online way to use WPS quickly online, enter the camera changed to a fixed IP, and the date is automatically updated.

※ To go back to Gateway settings page of IP Camera Settings you set the login account and password for the camera to fill

Username: (31 chars) / Password: (31 chars) Click Apply Changes store settings, you can finish setting, set successful camera will appear in the list.



Site contents:

- HES Settings
- ZigBee
- IP Camera Settings
- Wireless
- IPv4 Network Settings
- VPN Settings
- Management
- Logout

IP Camera Settings

This page show the IP cameras nearby up to 16. The username and password is used for authentication to access the resource on cameras, for instance image capturing, video recording, etc. Per camera information is shown, such as IP address, MAC address, device name and alias name. If the camera failed to get IP address from gateway, there will be no detail icon for you to test the function of capturing. Each camera can have its own alias name assigned by you for being recognized easily.

Username: (31 chars)

Password: (31 chars)

Scan

#	IP Address	MAC Address	Device Name	Alias Name	Detail
1	192.168.5.199	28:10:7B:02:36:30	DCS-932L		

Apply Changes

Reset

Detailed function

SensingTEK Gateway

Site contents :

1. HES Settings (HES Gateway basic parameters)

1.1. Basic Settings (basic settings)

This page allows you to change the HES(Home Energy Saving) the basic configuration settings, Gateway is a bridge designed to transport HES server and Sensor sensor commands among the nodes.

Site contents:

- HES Settings
- Basic Settings
- Server Settings
- ZigBee
- IP Camera Settings
- Wireless
- IPv4 Network Settings
- VPN Settings
- Management
- Logout

Basic Settings

This page allows you to change the configuration of HES (Home Energy Saving) daemon which is a bridge to transparently transmit commands between HES server and sensor nodes.

Gateway Common Information:

Product Name: (31 chars)

Location: (63 chars)

Gateway ID: 202

Firmware Version: 1.0.0b1(DC22800.00)-20130523-en | 2013-05-23 23:27:13 +0800

Current Time: [2012-7-1 1:20:45](#)

Gateway Transmission Information:

Transmission Mode: ☒ Single mode ☐ Multi mode

Threshold: (1~20 records)

Time Limitation: (5~60 seconds)

Resend Timer: (5~60 seconds)

Max Resend Times: (5~30 times)

☉Gateway Common Information:

Product Name : (Product name, you can enter 31 chars except for special symbols)

Location : (Install location, you can enter a 63 chars except for special symbols)

Gateway ID : (The Gateway ID number, the factory default and cannot be modified)

Firmware Version : (Firmware version)

Current Time : (System time)

☉Gateway Transmission Information:

Transmission Mode : Single mode (stand-alone mode, the factory default) Multi mode (multiple models)

Threshold : (Factory default, no modification)

Time Limitation : (Factory default, no modification)

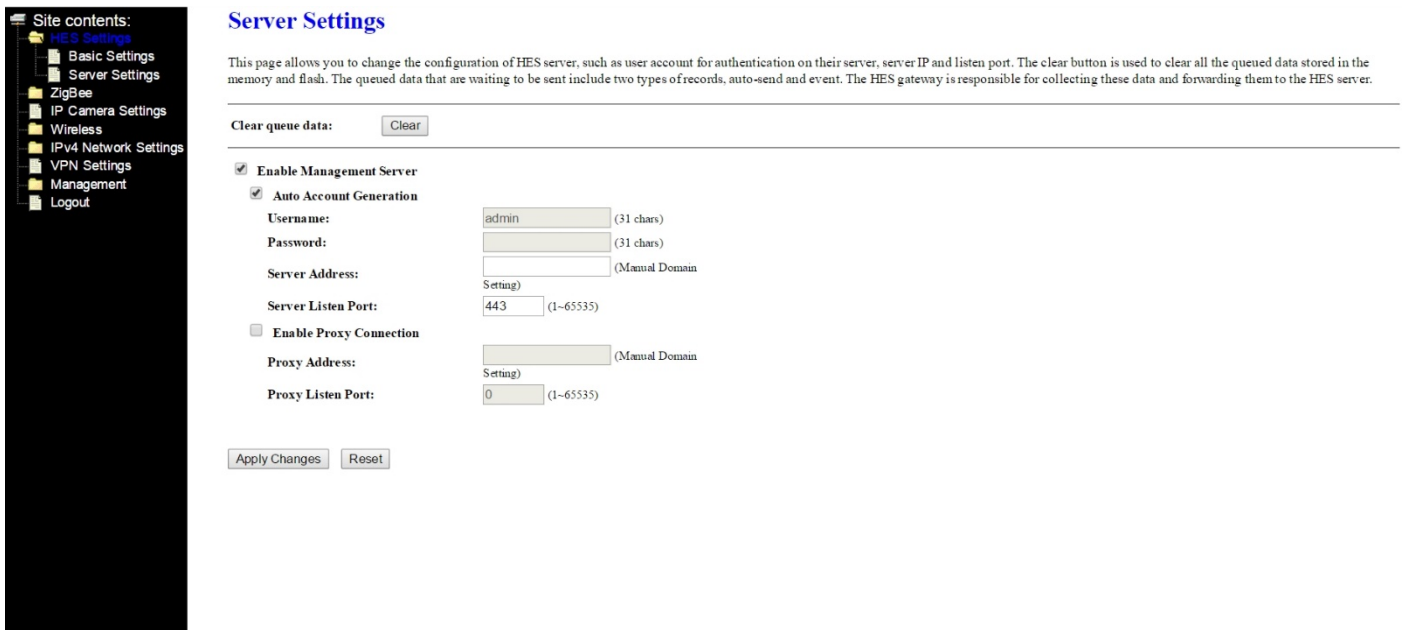
Resend Timer : (Reverberation time again, the scope of 5~60 seconds, default 6)

Max Resend Times : (Maximum feedback time, range 5~30 times, default 10)

1-2.Server Settings (server settings, upload their data to the cloud)

This page allows you to change the basic configuration settings for connecting to the server, such as a user through the server's authentication configuration data to the server in the cloud measured is recorded and utilized.

For example: Wireless socket power consumption data upload to the server in the cloud through software can be recorded into history data in the cloud, a calculation of the cost of the electricity bill. Clear button to clear the stored in the memory and all sensors record data in Flash memory.



Site contents:

- HES Settings
- Basic Settings
- Server Settings
- ZigBee
- IP Camera Settings
- Wireless
- IPv4 Network Settings
- VPN Settings
- Management
- Logout

Server Settings

This page allows you to change the configuration of HES server, such as user account for authentication on their server, server IP and listen port. The clear button is used to clear all the queued data stored in the memory and flash. The queued data that are waiting to be sent include two types of records, auto-send and event. The HES gateway is responsible for collecting these data and forwarding them to the HES server.

Clear queue data:

☒ **Enable Management Server**

☒ **Auto Account Generation**

Username: (31 chars)

Password: (31 chars)

Server Address: (Manual Domain Setting)

Server Listen Port: (1~65535)

☐ **Enable Proxy Connection**

Proxy Address: (Manual Domain Setting)

Proxy Listen Port: (1~65535)

Before enabling this data back to the cloud feature, and must be obtained from the service provider registration uses the account and password.

Enable Management Server (whether to return data to the cloud server is enabled)

Auto Account Generation (If the owner of the server cloud accounts, this option is not checked)

Username : (Account number, you can enter 31 chars)

Password : (Password, you can enter 31 chars)

Server Address : (Server domain or IP,Manual Domain Setting, the default eHome.sensingtek.com)

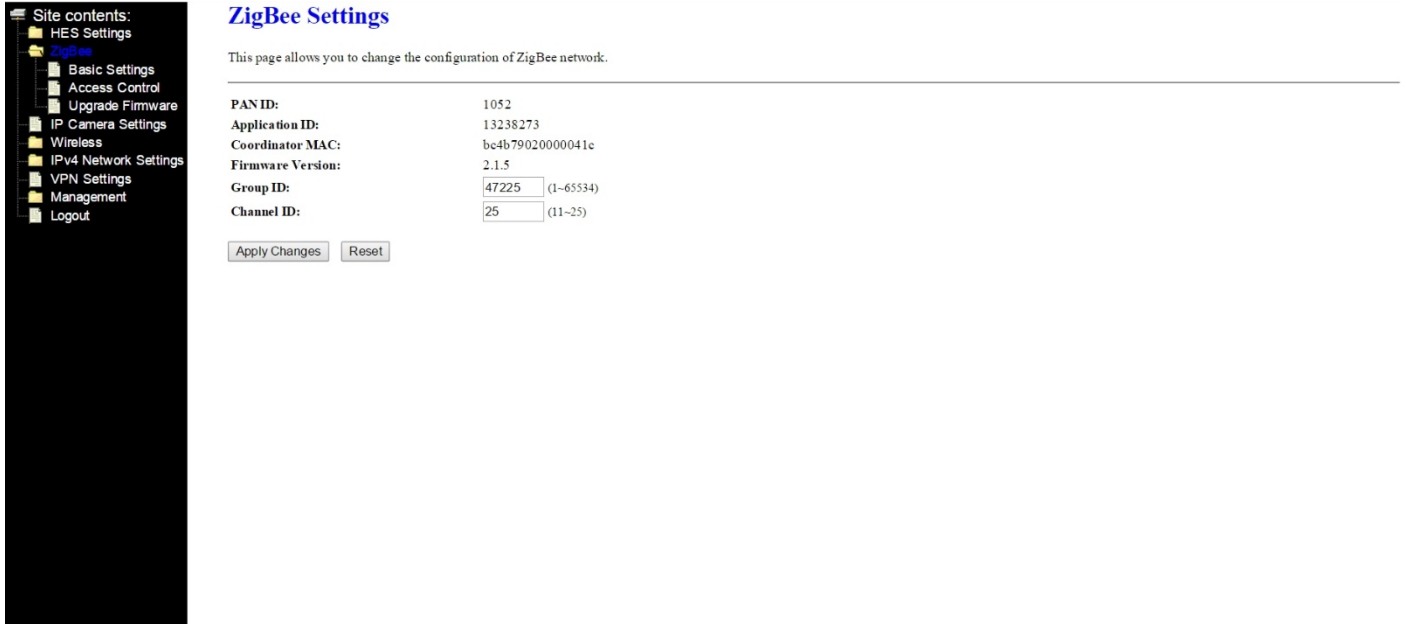
Server Listen Port : (Datagram sockets, 1~65535, default 3000, no proposed changes)

(Cloud server socket port 3000, tampering will cause information to be normal, then fax it to the cloud server.)

2. ZigBee (Zigbee wireless signals)

2-1. Basic Settings (ZigBee basic configuration settings)

This page allows you to change the ZigBee network configuration.



ZigBee Settings

This page allows you to change the configuration of ZigBee network.

PAN ID:	1052
Application ID:	13238273
Coordinator MAC:	bc4b79020000041c
Firmware Version:	2.1.5
Group ID:	47225 (1~65534)
Channel ID:	25 (11~25)

PAN ID : (Factory default / no modification)

Application ID : (Factory default / no modification)

Coordinator MAC : (Factory default / no modification)

Firmware Version : (Firmware version)

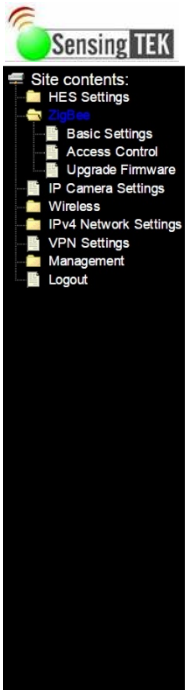
Group ID : (1~65534), and(**using the factory default can be subject to change sensor needs to match what has been paired.**)

Channel ID : (11~25), and(**using the factory default can be subject to change sensor needs to match what has been paired.**)

2-2. Access Control (Zigbee pairing settings)

The table displayed in the vicinity of the sensor node's MAC address and signal strength. You can select any node in the list (up to 32), in order to control and manage them by the remote server. The table will tell a neighbor near you (up to 64).

Pairing successful Zigbee sensor included in the table, **pairing process can use Refresh Now to update to see if the new success, new device if you want displayed in the APP must be in the unit Allow tick option is enabled.**



ZigBee Access Control

This table shows the sensor nodes' MAC address and signal strength nearby. You can select any nodes (at most 32) in the list so as to control and manage them by the remote server implicitly. This table will tell you the neighbour nodes nearby (up to 64).

Refresh Interval:

No	MAC Address	Uplink LQI	Downlink LQI	Allow
1	00:15:8d:00:00:1a:6e:b4	connected	connected	☒
2	bc:4b:79:02:00:00:06:68	195	192	☒

2-3.Upgrade Firmware (Zigbee firmware version update)

This page allows you to upgrade the ZigBee firmware version.

Update procedure make sure that the Gateway cannot have power failure happens, in order to ensure normal operation of the system.



Upgrade ZigBee Firmware

This page allows you to upgrade ZigBee firmware (it could be for a specific type of sensor according to the firmware you provide or coordinator. For instance, uploading a meter firmware will upgrade all the online meters but not include the other type of sensors, such as Siren, PIR, ... etc.) to newer version. Please note, do not power off the device during the update because it may be harmful to the ZigBee system.

Select File:

3.IP Camera Settings (IP camera settings)

This page displays and supports 10 IP cameras online, which IP camera should first of all as a matched set, such as a user name and password for authenticated access to resources of the camera.

This table displays the IP address,MAC address, device name, and alias. If the camera is not in this successful pairing in the APP to use its functionality.

Site contents:

- HES Settings
- ZigBee
- IP Camera Settings**
- Wireless
- IPv4 Network Settings
- VPN Settings
- Management
- Logout

IP Camera Settings

This page show the IP cameras nearby up to 16. The username and password is used for authentication to access the resource on cameras, for instance image capturing, video recording, etc. Per camera information is shown, such as IP address, MAC address, device name and alias name. If the camera failed to get IP address from gateway, there will be no detail icon for you to test the function of capturing. Each camera can have its own alias name assigned by you for being recognized easily.

Username: (31 chars)

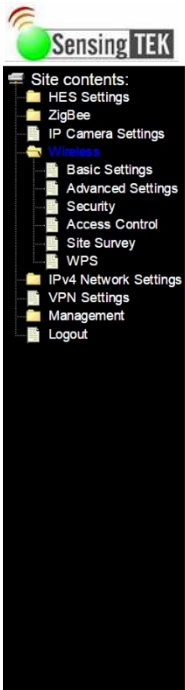
Password: (31 chars)

#	IP Address	MAC Address	Device Name	Alias Name	Detail
1	192.168.5.199	28:10:7B:02:36:30	DCS-932L		

4.Wireless (Wi-Fi wireless network)

4-1.Basic Settings (wireless network basic settings)

This page is used to configure client parameters are set, such as Wi-Fi enabled and shuts down,SSID, channel, ... And so on.



Wireless Basic Settings

This page is used to configure the parameters for wireless clients which may connect to your Home Energy Gateway.

☒ Disable Wireless Interface

Band:

SSID:

Channel Width:

Channel Number:

Broadcast SSID:

Associated Clients:

Disable Wireless Interface (Open / Wi-Fi feature on or off, **default is off**)

Band : (Signal mode),2.4 GHz (b, andg, andn or multiple optional)

SSID : (Wireless network name)

Channel Width : (Power 20MHz, and40MHz optional)

Channel Number : (Wireless networking channel Autoand the1and the2 ~ 11 optional)

Broadcast SSID : (Webcast features Disabled, andEnabled)

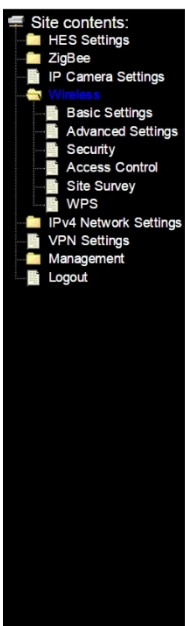
(Must be Enabled, otherwise you cannot search network.)

Associated Clients : (Lists the devices through this network link)

4-2.Advanced Settings (wireless network advanced settings)

These settings only apply to users of wireless technology is enough.

Unless you know and understand the following settings on the Gateway : what impact, such as signal strength ... And so on.



Wireless Advanced Settings

These settings are only for more technically advanced users who have a sufficient knowledge about wireless. These settings should not be changed unless you know what effect the changes will have on your Home Energy Gateway.

Fragment Threshold: (256-2346)

RTS Threshold: (0-2347)

RF Output Power: ☒ 100% ☐ 70% ☐ 50% ☐ 35% ☐ 15%

4-3.Security (wireless network security password settings)

This page allows you to set up your wireless network's security mechanisms.

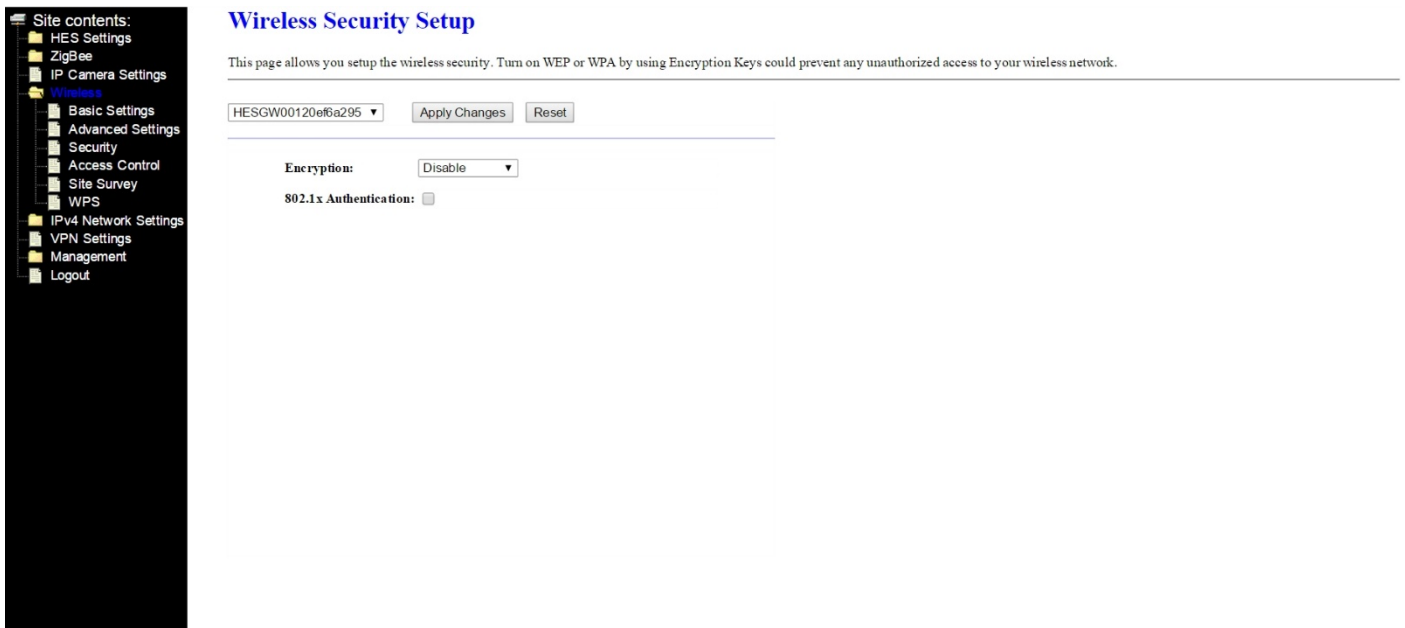
By using the enable WEP or WPA encryption key you can prevent unauthorized access to your wireless network.

Encryption : (Encryption mode, Disable, andWEP, andWPA, andWPA2, andWPA2-Mixed)

Authentication Mode : (Certification model Enterprise RADIUSand thePersonal Pre-Shared Key, by default, Personal)

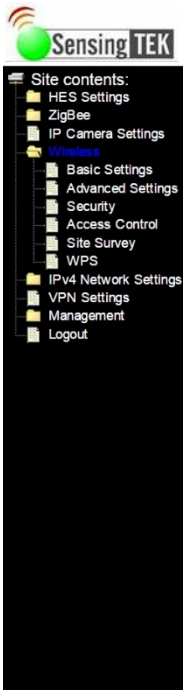
Pre-Shared Key Format : (Coded Passphrase, andHEX 64 characters, the default **Passphrase** necessary setting.)

Pre-Shared Key : (Password)



4-4.Access Control (wireless network access control)

Used to manage and control the devices that can access the network.



Wireless Access Control

If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Home Energy Gateway. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Home Energy Gateway.

Wireless Access Control Mode:

MAC Address: Comment: (20 chars)

Current Access Control List:

#	MAC Address	Comment	Select
Delete Selected Delete All Reset			

Wireless Access Control Mode :

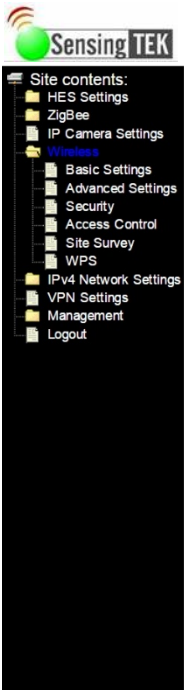
Disable : (Turning off this feature)

Allow Listed : (Via MAC identification devices in the list are allowed online-only access to this network.)

Deny Listed : (Via MAC identification equipment online in the list are not allowed to access the network.)

4-5.Site Survey (wireless network scan)

This page is covered in the available tools are available to scan for nearby wireless networks and the wireless information networks; provide users reference when setting up a wireless network, you can avoid the same set of name, channel interference ... And so on.



Wireless Site Survey

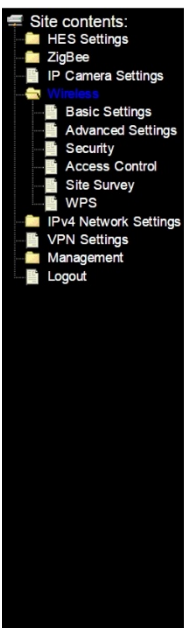
This page provides tool to scan the wireless network.

Site Survey

SSID	BSSID	Channel	Type	Encrypt	Signal
------	-------	---------	------	---------	--------

4-6.WPS (WIFI Quick Online Setup)

This page allows you to change the settings of the WPS. Using this feature allows you to keep your wireless device in less than a minute can be connected and connected to the network.



Wi-Fi Protected Setup

This page allows you to change the setting for WPS (Wi-Fi Protected Setup). Using this feature could let your wireless client automatically synchronize its setting and connect to the Home Energy Gateway in a minute without any hassle.

☒ Disable WPS

Apply ChangesReset

WPS Status:

☐ Configured☒ UnConfigured

Self-PIN Number:94205657

Push Button Configuration:

Start PBC

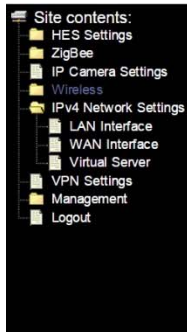
Client PIN Number:

Start PIN

5.IPv4 Network Settings (IPv4 Network Setup)

5-1.LAN Interface (IPv4 LAN ports, internal network settings)

This page is used to configure the parameter, connects to your home energy gateway's LAN port LAN. Here, you can change the settings of IPv4 editorial office address, subnet mask, andDHCP and so on.



IPv4 LAN Interface Setup

This page is used to configure the parameters for local area network which connects to the LAN port of your Home Energy Gateway. Here you may change the setting for IPv4 address, subnet mask, DHCP, etc..

IP Address:	192.168.5.1
Subnet Mask:	255.255.255.0
DHCP:	Server
DHCP Client Range:	192.168.5.100 - 192.168.5.200 Show Client
Domain Name:	
Apply Changes Reset	

IP Address : (IP address, default 192.168.5.1)

Subnet Mask : (Network mask, and the default 255.255.255.0)

DHCP : (DHCP mode,Disabled, andServer mode can be selected, if need to assign IP selected Server mode)

DHCP Client Range : (Assigned IP range setting)

Domain Name : (Domain settings)

5-2.WAN Interface (IPv4 WAN port external networking settings)

This page is used to configure WAN parameters let your Gateway through the WAN port can be connected to the Internet.

Here, you can change the access method for the static IP,DHCP or PPPoE single online.



IPv4 WAN Interface Setup

This page is used to configure the parameters for Internet network which connects to the WAN port of your Home Energy Gateway. Here you may change the access method to static IP, DHCP or PPPoE by click the item value of WAN Access type.

Physical Media Type:	Ethernet
WAN Access Type:	DHCP Client
Host Name:	HES-Gateway
MTU Size:	1500 (576-1500 bytes)
☒ Attain DNS Automatically ☐ Set DNS Manually	
DNS 1:	
DNS 2:	
DNS 3:	
☐ Enable Ping Access on WAN ☐ Enable Web Server Access on WAN ☐ Enable Middle Gateway Daemon Access on WAN ☐ Enable FTP Access on WAN ☐ Enable Telnet Access on WAN	
Apply Changes Reset	

Physical Media Type : (Internet online mode, and Ethernet, and WiFi)

WAN Access Type : (WAN connection types,Static IP fixed IPand the DHCP Client automatically, andPPPoE dialup)

Enable Ping Access on WAN (enable Ping links, it is recommended that check)

Enable Web Server Access on WAN (enable support WEB pattern links, it is recommended that check)

Enable Middle Gateway Daemon Access on WAN (enable Gateway program links built in, it is recommended that check)

Enable FTP Access on WAN (enable FTP mode links, it is recommended that check)

Enable Telnet Access on WAN (enable Telnet mode links)

5-3.Virtual Server (virtual server)

This feature provides a place for IP address can be in the same IP zhixia, using a different Port port numbers to distinguish between different services, so as to achieve the function of external or internal single channel.

For example:192.168.0.1:80 or 192.168.0.1:10000 single IP can have different services.

When your device is placed in the other Gateway, andAP devices, Firewall IP correspond or transfer port have to be set.

Site contents:

- HES Settings
- ZigBee
- IP Camera Settings
- Wireless
- IPv4 Network Settings
 - LAN Interface
 - WAN Interface
 - Virtual Server
- VPN Settings
- Management
- Logout

Virtual Server

Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.

☐ Enable Virtual Server

IP Address: Protocol: Both ▼

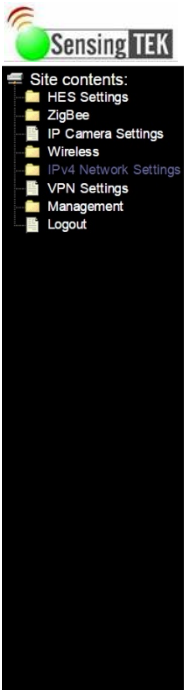
Outside port range: - Inside port range: - Comment:

Current Port Forwarding Table:

Local IP Address	Protocol	Out Port Range	In Port Range	Comment	Select
 Delete Selected Delete All Reset 					

6.VPN Settings (proxy settings)

This page is used to enable / disable the VPN feature, and select Add / edit / remove the connection of the VPNproxy.



VPN Setup

This page is used to enable/disable VPN function and select a VPN connection to edit/delete.

☐ Enable IPSEC VPN ☐ Enable NAT Traversal

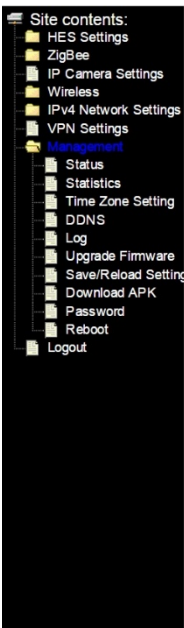
Current VPN Connection Table: WAN IP:0.0.0.0

#	Name	Active	Local Address	Remote Address	Remote Gateway	Status
1	-	-	-	-	-	-
2	-	-	-	-	-	-

7.Management (configuration management)

7-1.Status (Gateway device status)

This page displays the current status and some of the basic settings for the device.



Device Status

This page shows the current status and some basic settings of the device.

System	
Uptime	0day:1h:22m:13s
Firmware Version	1.0.0b1(DCZ2800.00)-20130523-en 2013-05-23 23:27:13 +0800
Build Time	Fri Jul 4 13:55:43 CST 2014
Wireless Configuration	
Enable	No
Mode	AP
Band	2.4 GHz (B+G+N)
SSID	
Channel Number	
Encryption	Disabled
BSSID	00:00:00:00:00:00
Associated Clients	0
IPv4 LAN Configuration	
Attain IP Protocol	Fixed IP
IP Address	192.168.5.1
Subnet Mask	255.255.255.0
DHCP Server	Enabled
MAC Address	00:12:0e:f6:a2:95
IPv4 WAN Configuration	
Attain IP Protocol	Ethernet Down
IP Address	0.0.0.0
Subnet Mask	0.0.0.0
Default Gateway	0.0.0.0
MAC Address	00:12:0e:f6:a2:96

7-2.Statistics (network statistics)

This page displays all wired, wireless, sensor, Ethernet packet statistics.



Statistics

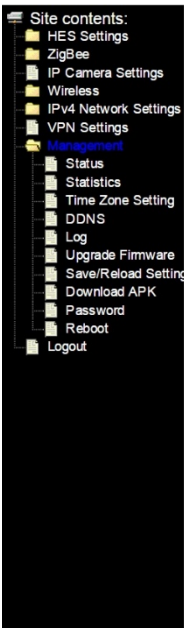
This page shows the packet counters for transmission and reception regarding to wireless, WSN and Ethernet networks.

Ethernet LAN	Sent Packets	7422
	Received Packets	7670
Ethernet WAN	Sent Packets	0
	Received Packets	0
WSN	Sent Packets	15
	Received Packets	15

Refresh

7-3.Time Zone Setting (time / time zone settings)

You can enable Internet time servers synchronize system time.



Time Zone Setting

You can maintain the system time by synchronizing with a public time server over the Internet.

Current Time: Yr: 2012 Mon 7 Day 1 Hr 1 Mn 22 Sec
10
Copy Computer Time

Time Zone Select: (GMT+08:00)Taipei

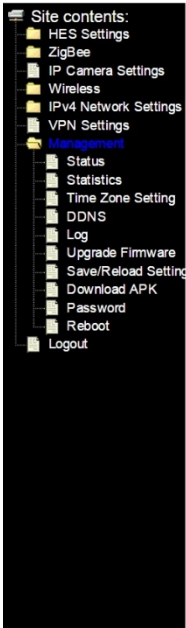
☐ Enable NTP Client Update
☐ Automatically Adjust Daylight Saving

NTP Server: ☒ time.stdtime.gov.tw
☐ watch.stdtime.gov.tw (Manual Domain Setting)

Apply Change Reset Refresh

7-4.DDNS (dynamic DNS settings)

Dynamic DNS is a service, which provides an effective and constant, domain name (URL), this feature is available through the domain name corresponding to a floating IP transformation brings problems.



Dynamic DNS Setting

Dynamic DNS is a service, that provides you with a valid, unchanging, internet domain name (an URL) to go with that (possibly everchanging) IP-address.

☐ Enable DDNS

Service Provider :

Domain Name :

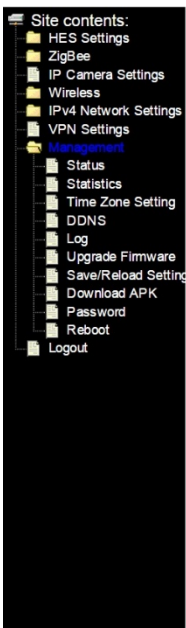
User Name/Email:

Password/Key:

Note:
For DynDNS, you can create your DynDNS account [here](#)

7-5.Log (Gateway records)

Operation of the system event log for engineering analysis or judgment system operates in practice.



System Log

This page can be used to set remote log server and show the system log.

☒ Enable Log

☒ system all ☐ wireless

☐ Enable Remote Log

Log Server Address: (Manual Domain Setting)

☐ Enable Log Upload

Upload Server Address: (Manual Domain Setting)

Username:

Password:

```
Jul 1 01:20:31 getaddrinfo: Name or service not known -2
Jul 1 01:20:43 getaddrinfo: Name or service not known -2
Jul 1 01:20:55 getaddrinfo: Name or service not known -2
Jul 1 01:21:00 [RECV][GET] PID:0xca OID:0x400
Jul 1 01:21:04 [RECV][GET] PID:0xca OID:0x408
Jul 1 01:21:04 [SEND][GET] PID:0xca OID:0x302
Jul 1 01:21:04 [RECV][GET_REPLY] PID:0xca OID:0x302 OK
Jul 1 01:21:13 getaddrinfo: Name or service not known -2
Jul 1 01:21:25 getaddrinfo: Name or service not known -2
Jul 1 01:21:37 getaddrinfo: Name or service not known -2
Jul 1 01:21:55 getaddrinfo: Name or service not known -2
Jul 1 01:22:07 getaddrinfo: Name or service not known -2
Jul 1 01:22:07 [RECV][GET] PID:0xca OID:0x503
Jul 1 01:22:07 [RECV][GET] PID:0xca OID:0x503
```

7-6.Upgrade Firmware (Gateway firmware version update)

This page allows you to upgrade the Gateway 's firmware version; please note that in the process of upgrading to the new version to keep power shall not be cut off, otherwise it will cause the system to

not function.



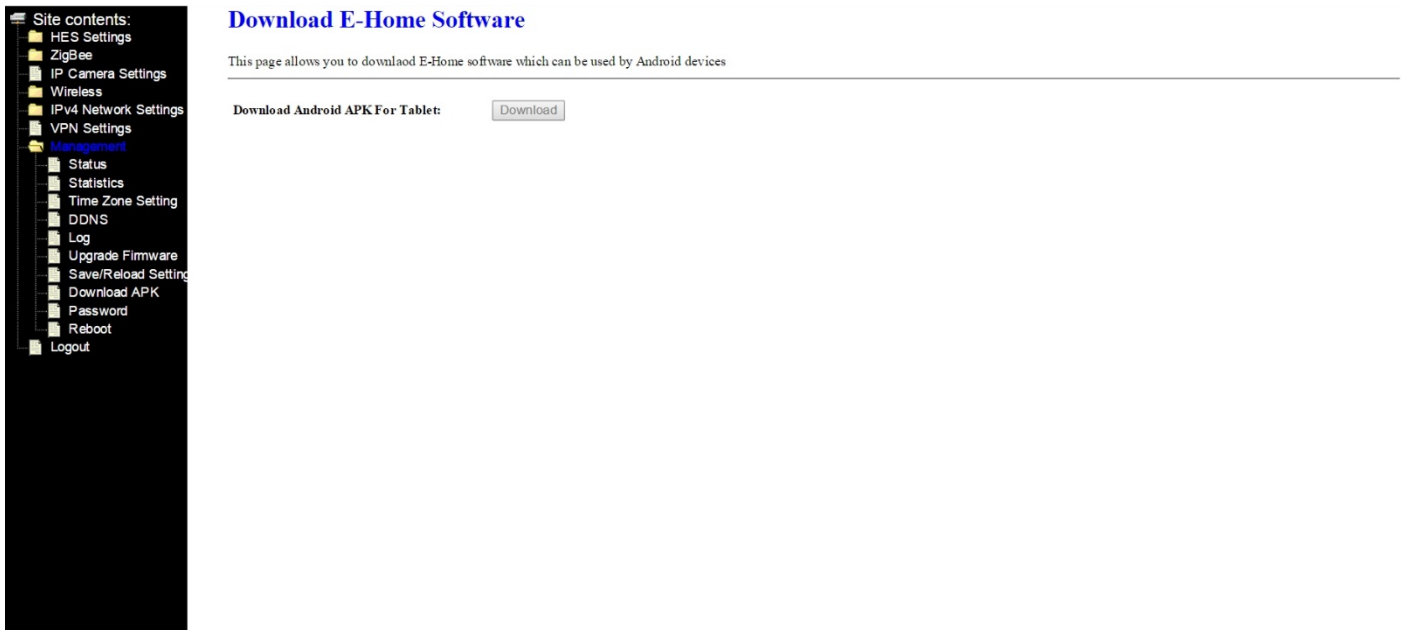
7-7. Save/Reload Settings (saved / overload to set)

This page allows you to set the parameters of downloaded files saved, of course, can use this feature to restore to its original settings.



7-8. Download APK (download E-HOME software)

This page allows you to download E-Home software can use the Android device.



7-9.Password (login password / change)

This page is used to set the user access Gateway required authentication password.

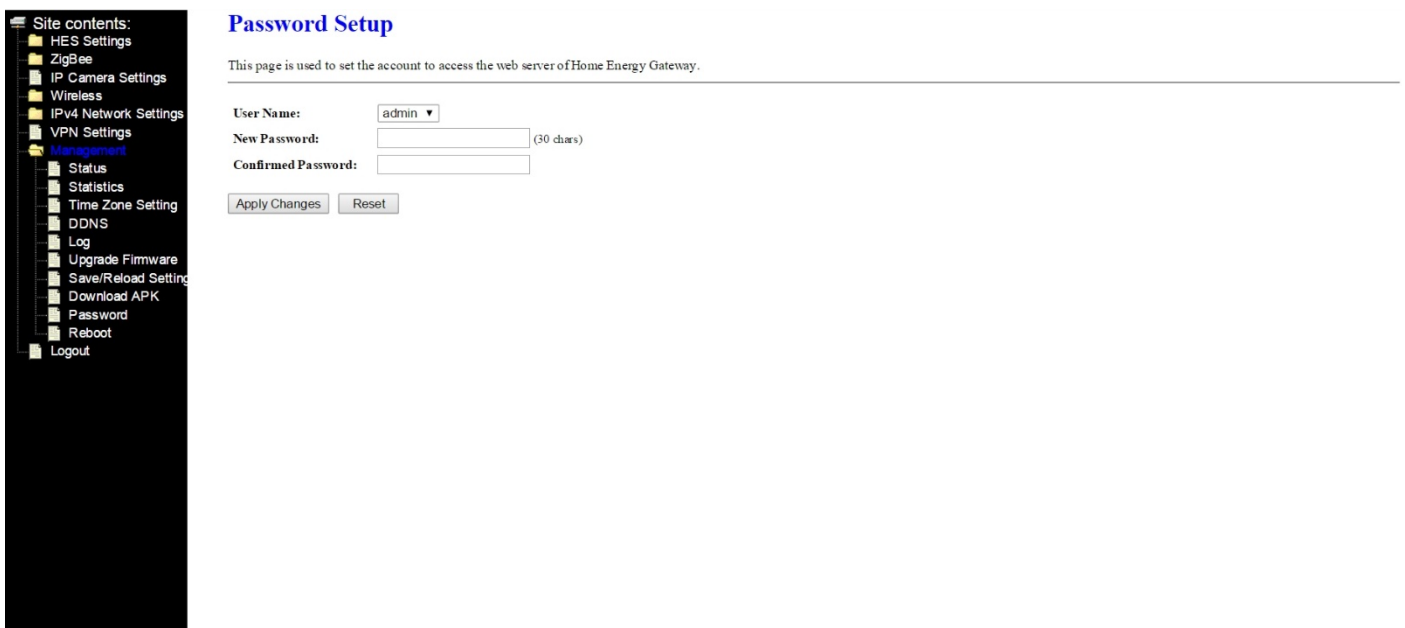
Login account provides both an Admin (top right), a user (some functions shielding)

User Name : **Admin** (Manager / factory default)

Password : **123456** (factory default)

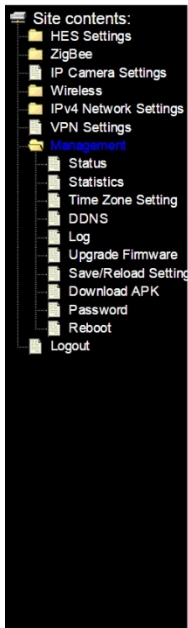
User Name : User (user / factory default)

Password : User (factory default)



7-10.Reboot (restart the Gateway)

This page is used to restart the Gateway, please confirm any changes before you restart settings have been stored.



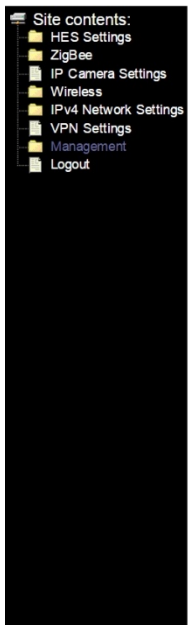
System Restart

This page is used to restart.

Restart

8. Logout (cancelled)

Cancellation of Gateway WEB page.



Logout

This page is used to logout.

Do you want to logout ?

Apply Change

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

SAR Statement

The MPE meet the requirements when device maintain a distance more than 20cm from the body. Device should Installation at a place more than 20cm from the body all the time. Any modified to the device (e.g. add metallic components, replace antenna) may cause it not comply with FCC RF exposure requirements, and should be avoided.