



Web Configuration

GPO 746 | GPO CARRINGTON | GPO DUKE



WEB CONFIGURATION

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Web Login

By default, AEI phone is a DHCP client that it acquires an IP address from a DHCP network. To know the IP address of the phone, please press *112*113#. The IP address will be read out. And then login the phone at `http://<<IP.address>>:8000` via a web browser by using username/password as admin/1234.

Another way to login the phone is by using mDNS. It is possible to find out the phone by typing `http://MAC-aei.local:8000`. And using username/password as admin/1234 to complete the login procedure.

VOIP PHONE

Login ..

Username: admin

Password: ****

login

After login, the system information shows as below.

Web Configuration

System Information

This page illustrate the system related information.

Model Name:	MP-9102
Firmware Version:	MP9102_A25
Build Information:	DA022 SA015 SD014
Serial Number:	MP919X000001
Provision Server	192.168.1.100
Provision FILE	000e43d39acb.cfg



Phone Settings

Speed Dial

Configuring the speed dial keys

Mkey	Number	Display	Domain	Account	Delete
1	<input type="text"/>	<input type="text"/>	scs.gtek.com.tw	1287 ▾	<input type="checkbox"/>
2	<input type="text"/>	<input type="text"/>	scs.gtek.com.tw	1287 ▾	<input type="checkbox"/>

Mkey	Number	Display	Domain	Account	Delete
------	--------	---------	--------	---------	--------

Mkey:

The number of the speed dial

Number:

Dialing string after pressing the key; 1, 2, 3, 4 ... 9, 10, * and #

Display:

The name of the speed dial

Domain:

The domain of the SIP account; default to the first SIP account

Account:

The SIP account for dialing through; default to the first SIP account

Delete:

Check the speed dial(s) and then click "Submit" to delete.

Dial Plan

The phone sends the dialed string once it matches one of the pre-configured dial plans.

Dial Plan Page: Sharp Dial:

Dialing Timeout: Passable Match Timeout:

No.	Switch	Abbr. Code	Select
<input type="button" value="New"/>			

Dialing Plan page:

Dial plan page, each page is set to 5 records

Dialing Timeout: (Default, 6)

The phone sends the dialed string after dialing timeout if no further input. Ranging from 1~10.

Sharp Dial: (Default, Enable)

Press # at the end of a dialed string will send the call if this is enable. (the # will not be included in the dialed string) If this is disable, a dialed string will only be sent if it matches a dial plan.

Passable Match Timeout:

The phone sends the dialed string after the settled timeout if the input matches partial of predefined Abbr. code. Ranging from 1~10.

To create a new Dial plan

Press "New" button

Add Dial Plan

Switch	<input type="text" value="Enable"/>
Abbr. Code	<input type="text" value=""/>

Switch: To enable or disable the dial plan. (Default, Enable)

Abbr. Code: To fill in the dialing syntax. (Please refer to Dial Plan Syntax below)

Syntax	Description
X	Defines a digit length. Ex., (+02)5xxx, add 02 as a prefix if the dialling string starts with 5 and is followed by 3 digits.
?	Matches any number of digits. Ex., (+02)5?, add 02 as prefix if dialed string starts with 5 and is followed by any number of digits.
(-)	Removes a prefix or postfix. Ex., 1234(-34), removes two digits of the postfix if the dialling string is 1234.
(+)	Adds a prefix or postfix. Ex., (+02)1234, adds 02 as a prefix if the dialling string is 1234.
Y	Define the dialled digit matches 0 or 1 Ex., 1Yxx, if the second digit is 1 or 0 and total 4 digits. An example match is 1034 or 1145
N	Define the dialled digit matches between of 2 and 9. Ex., 9Nxxxxxx, if the first digit starts between 2 and 9 then followed by 6 digits. An example match is 92123456, 93123456, 94123456....or 99123456.
,	The phone play second dial tone if "," is used after a digit. For, example, "9," PS: Abbr. Code can't be only syntax; it must be with at least 1 digit. For example, Yxx, NYYx or Nxxx is applicable.

Voice Setting

Play Dial Tone Frequency	<input type="text" value="350"/> - <input type="text" value="440"/>
Play RingBack Tone Frequency	<input type="text" value="440"/> - <input type="text" value="480"/>
Play Busytone Frequency	<input type="text" value="480"/> - <input type="text" value="620"/>
Play RingBack Tone cadence	<input type="text" value="1440"/> ms On - <input type="text" value="920"/> ms Off
Play Busytone cadence	<input type="text" value="240"/> ms On - <input type="text" value="240"/> ms Off
Handset In Gain Offset	Default:0x800 ,Adjust:0x80a <input type="text" value="10"/>
Handset Out Gain Offset	Default:0xc00 ,Adjust:0xc00 <input type="text" value="0"/>
Ring tone volume	<input type="text" value="05"/> ▾

Play Dial Tone Frequency

Set the dial tone frequency here.

Play RingBack Tone Frequency

Set the RingBack tone frequency here.

Play Busy Tone Frequency

Set the busy tone frequency here.

Play RingBack Tone cadence

Set the RingBack tone cadence here.

Play Busy Tone cadence

Set the Busy tone cadence here.

Handset In Gain Offset

Set the handset microphone gain value

Handset Out Gain Offset

Set the handset receiver gain value





System Settings

Auto Configuration

Auto Configuration:	Enable ▾
DHCP OPTION 66:	Enable ▾
Room Config:	<input type="text"/>
Server:	<input type="text"/>
Path:	<input type="text"/>
UserName:	<input type="text"/>
Password:	<input type="text"/>
Interval:	0
<input type="button" value="Submit"/> <input type="button" value="Reset"/> <input type="button" value="Send Sync"/>	

Auto Configuration: (Default, Enable) Enable or disable auto provisioning.

Room Configuration:

It shows the provision file name if the .cfg file is named by the RoomID. To change the way of file downloading from the MAC based provision file to RoomID based provision file, type *159*RoomID# on the keypad.

DHCP OPTION 66: (Default, Enable)

After enable this feature, the phone acquires the tftp server IP address from DHCP OPTION 66. If it is disable and "Auto Configuration" is enable, the phone will try to download its configuration file from the server in the "Server" field.

Server:

The IP address information of the server, for example, tftp://192.168.1.54. The phone only looks for its cfg file if "DHCP OPTION 66" is disable. The server can be tftp, ftp or http server. For example, tftp://IP.address.of.tftp, ftp://IP.address.of.ftp or http://IP.address.of.http

Path:

Identify the provision file location if it is in the subfolder rather than root folder.

UserName:

Username for logging into the ftp or the http server

Password:

Password for logging into the ftp or the http server

Interval:

Auto provisioning period (seconds); "0" is disable auto provisioning periodically.

** By default, a phone looks for MAC.cfg from the server, for example, 000e43d01234.cfg. It only downloads ext#.cfg once it was manually programmed by pressing *357*room-number# feature code.

Firmware Upgrade

Firmware Upgrade	
Force Upgrade:	<input type="text" value="Disable"/>
Auto Upgrade:	<input type="text" value="Disable"/>
Server IP:	<input type="text" value="tftp://192.168.168.251"/>
Server File Path:	<input type="text" value="MP9102/MP9102_A25"/>
Server Username:	<input type="text" value="admin"/>
Server Password:	<input type="password" value="...."/>
Interval:	<input type="text" value="0"/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Force Upgrade: (Default, Disable)

Enable to force the phone to upgrade via the Server IP address manually.

Auto Upgrade: (Default, Enable)

Enable to auto upgrade after booting up once if "Interval" is 0. If "Interval" isn't 0, then it checks periodically and auto upgrade if a new firmware is found.

Server IP:

The IP address information of the server for downloading the firmware. It can be tftp://IP.address.of.tftp, ftp://IP.address.of.ftp or http://IP.address.of.http

Server File Path:

The file name of the firmware in the root folder of the server

Server Username:

Username for logging into the ftp or the http server

Server Password:

Password for logging into the ftp or the http server

Interval:

Auto upgrade period (seconds); It means how long the phone goes check the firmware on the server. If the firmware is different from the current one, the phone will then reboot for updating.

Backup & Recover

The screenshot shows a web interface titled "Backup & Recover". At the top, it says "You could Backup and Restore system Configuration here." Below this is a horizontal bar. The main content is divided into two sections: "Backup System Configuration" and "Recover System Configuration".

Backup System Configuration: This section has a label "Configuration File:" followed by the text "Please click Backup icon to create backup configuration file". Below this text is a button labeled "Backup".

Recover System Configuration: This section has a label "File Location:" followed by a "Choose File" button and the text "No file chosen". Below this are two buttons: "Submit" and "Reset".

Backup System Configuration:

Click the "Backup" button to back up the settings of the phone, the file is created with prefix "Back" followed by the creating date. The extension is sbak, for example, Back_2018_1_11.sbak. It can be edited by a text editor, such as WordPad.

Recover System Configuration:

Click the "Choose File" to select a preconfigured back up file and then submit to load the configuration file.

System Auth.

The screenshot shows a web interface titled "System Authority". At the top, it says "You could change the login username/password in this page." Below this is a horizontal bar. The main content consists of three input fields: "Username:" with the value "admin", "Password:" with four asterisks, and "Confirmed Password:" with four asterisks. Below these fields are two buttons: "Submit" and "Reset".

Username:

Change the Username of the web configuration login.

Password:

Change the Password of the web configuration login.

Confirmed Password:

Confirm the Password of the web configuration login. Once it is done, press Submit to change or Reset to start over.

Factory Defaults

Click "Submit" to reset all settings back to factory default.

Factory Defaults

You could load factory defaults configuration

Load Defaults:

Reboot

Click "Reboot" to restart the phone.

Reboot System

You could press the reboot button to restart the system.

Reboot system:

Other Setting

To enable the hardware watchdog of this phone.

Hardware watchdog: Enable

System Log

It shows the log records on the phone.

```
SIP 1970-01-01 08:00:28 Get CALL Response with 423
SYS 1970-01-01 08:00:07 Phone Boot
SYS 2021-12-30 00:34:27 DSP No Response
SIP 1970-01-01 08:00:28 Get CALL Response with 423
SYS 1970-01-01 08:00:07 Phone Boot
SYS 2021-12-28 21:50:37 DSP No Response
SIP 2021-12-28 15:08:53 Get CALL Response with 404
SIP 1970-01-01 08:00:27 Get CALL Response with 423
SYS 1970-01-01 08:00:06 Phone Boot
SYS 1970-01-01 08:00:06 Phone Boot
SYS 1970-01-01 08:00:06 Phone Boot
SYS 1970-01-01 08:00:06 Phone Boot
SYS 1970-01-01 08:00:06 Phone Boot
```



Global SIP Settings

Port Settings

Port Settings

You could set the port number in this page.

SIP Listen Port:	<input type="text" value="5060"/>	(10~65533)
RTP Port Base:	<input type="text" value="10000"/>	(10~65533)
RTP Port Range:	<input type="text" value="100"/>	(12~1000)

SIP Listen Port: (Default, 5060)

SIP Local port, ranging from 10 ~ 65533

RTP Port Base: (Default, 10000)

The port of RTP starts, ranging from 10 ~ 65533

RTP Port Range: (Default, 100)

RTP port range, ranging from 12 ~ 1000

Codec Settings

Codec Settings

You could set the codec settings in this page.

Codec Priority	
First Priority:	<input type="text" value="G.711 u-law"/>
Second Priority:	<input type="text" value="Disable"/>
Third Priority:	<input type="text" value="Disable"/>
Fourth Priority:	<input type="text" value="G.711 a-law"/>

RTP Packet Length	
G.711 Frame Size:	<input type="text" value="20 ms"/>
G.723 Frame Size:	<input type="text" value="60 ms"/>
G.729 Frame Size:	<input type="text" value="20 ms"/>

Codec Priority:

There are 4 codecs in the drop box, please select one for each priority.

RTP Packet Length:

Frame size for each code.

G711 ranges from 20ms, 30ms, 40ms and 50ms

G723 ranges from 30ms, 60ms, 90ms, 120ms, 150ms and 180ms

G729 ranges from 20ms, 30ms, 40ms, 50ms, 60ms, 70ms and 80ms

Other Settings

Signaling Precedence(ToS)	0(Routing) ▼
Voice Precedence(ToS)	0(Routing) ▼
RFC2833 Payload Type:	101 (96~127)
Hotel Name	<input type="text"/>
Room Number	<input type="text"/>
SIP Mode	Master ▼
Dect Display	<input type="text"/>
Log Server	<input type="text"/>
Replace Sharp	Disable ▼
MWI To Tag	Disable ▼
Caller ID	Enable ▼
Register P-Asserted-Identity	Disable ▼
Session Timer	0
Redial Timeout	60 ▼
Debug Mode	<input type="text"/>
Music On Hold	Disable ▼
Register PAI	Disable ▼
Hot Line Enable	Disable ▼
Hot Line Number	<input type="text"/>
Call Waiting	Disable ▼
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Signaling Precedence (Tos): (Default, 0 Routing)

Selection from 0 (Routing), 1 (Priority), 2 (Immediate), 3 (Flash), 4 (Flash Override) and 5 (CRITICAL/ECP)

Voice Precedence (Tos): Default, 0 Routing)

Selection from 0 (Routing), 1 (Priority), 2 (Immediate), 3 (Flash), 4 (Flash Override) and 5 (CRITICAL/ECP)

RFC2833 Payload Type: (Default, 101)

DTMF RFC2833 Payload Type, ranging from 96 ~ 127

Hotel Name:

The name shows on the first line of the display if input, if not it shows Date and Time.

DECT Number:

This number will be showed on the DECT handset.

Room Number:

The key of Room Keeper feature that the phones will look for each other by using the same room number.

SIP Mode: (Default, Master)

This is for Room Keeper feature with three selections. Master is the room keeper; Slave and Suite are the IP end points that will register to the room keeper. For standard alone IP SIP phone, select "Master"; for Roomkeeper/Suitekeeper client, select "Suite"; for Roomkeeper, select "Master".

Log Server: (Default, blank is diable)

Please fill in the IP address of the AEi IMM Server. The phone then reports status back to IMM, such as firmware version, IP address of the phone, cordless handset status and etc. Also it accepts commands from it, such as firmware updating, restart, reset to factory default and etc.

Replace Sharp: (Default, Enable)

The “#” in the sending string will be sent as %23% if this is Enable. The “#” in the sending string will be send as # if this is Disable

MWI To Tag: (Default, Disable)

This is for Broadworks compatibility. Set to Enable while interoperating with Broadworks.

Caller ID: (Default, Disable)

To display caller ID on the display, select Enable; otherwise select Disable.

Register P-Asserted-Identity: (Default, Disable)

Enable to support P-Asserted-Identity in SIP Registration.

Session Timer: (Default, 0 is disable)

To enable session timer, input the value in seconds ranging from 1 ~ 9999. The minimum session is 120 seconds; any number less than 120 will be set to 120.

Hot Line: (Default, blank is disable)

Input an extension number to enable hot line feature. This feature is also known as Ring Down.

Debug Mode: (Default, blank is disable)

Input the IP address of a log server (UDP; port: 514) to send the log of the phone system.





SIP Accounts

The maximum SIP accounts of the phone are up to 2.

SIP Accounts

You could set information of service domians in this page.

SIP Accounts				
Display Name	Registration Server	Status	Registration	Select
71001	gtek.com.tw	registered	Enable	<input type="checkbox"/>
61001	gtek.com.tw	registered	Enable	<input type="checkbox"/>
				<input type="checkbox"/>

To add a new SIP account, click "Add".

SIP Accounts

You could set information of service domians in this page.

SIP Accounts				
Display Name	Registration Server	Status	Registration	Select
				<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>

To delete a SIP account, check the "Select" box and then click "Delete"

SIP Accounts

You could set information of service domians in this page.

SIP Accounts				
Display Name	Registration Server	Status	Registration	Select
71001	gtek.com.tw	registered	Enable	<input type="checkbox"/>
61001	gtek.com.tw	registered	Enable	<input checked="" type="checkbox"/>
				<input type="checkbox"/>

Check the server IP or account credential if the "Status" shows "registering" or "register fail"

SIP Accounts

You could set information of service domians in this page.

SIP Accounts				
Display Name	Registration Server	Status	Registration	Select
71001	gtek.com.tw	registering	Enable	<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>

SIP Accounts

You could set information of service domians in this page.

SIP Accounts				
Display Name	Registration Server	Status	Registration	Select
71001	gtek.com.tw	register fail	Enable	<input type="checkbox"/>
				<input type="checkbox"/>
				<input type="checkbox"/>

SIP Account Settings

You could set information of service domians in this

SIP Account 1	
Active:	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Registration ID:	71001
Display Name:	71001
Authentication Name:	71001
Password:	*****
Registration Server:	gtek.com.tw
Proxy Server:	172.8.12.11
Proxy Address:	172.8.12.11
Voice Mail:	1299
Expire Time:	300
DTMF Type:	RFC2833
Send KeepAlive:	Disable
Send KeepAlive Type:	Dummy
Send KeepAlive Interval:	60
MWI:	Enable
Mode:	Multi
DNSSRV:	Disable
Status:	registered

Active:

Check "Enable" to enable sending SIP registration or "Disable" to disable the SIP account temporarily.

Registration ID:

Registration ID is also known as user ID or extension number.

Display Name:

Display Name is for showing the name of the phone or the location of the phone on the remote party.

Authentication Name:

Authentication Name is for SIP authentication.

Password:

Password of the SIP account

Registration Server:

FQDN, SIP domain name or IP address of the SIP server

If the listening port of the SIP Server is different from 5060, please add the port to at end, for example, aeicomunications.com:5070 or 172.8.12.11:5061

Proxy Server:

Domain name or IP address of the SIP Proxy Server

If the listening port of the SIP Server is different from 5060, please add the port to at end, for example, aeicomunications.com:5070 or 172.8.12.11:5061

Proxy Address:

Outbound proxy address

Voice Mail: Not applied for MP series

Voice mail number of the hardkey

Expire Time: (Default, 60)

SIP registration expire time (seconds); select from 60, 120, 300, 600, 1200, 1800, 3600 and 7200

DTMF Type: (Default, RFC 2833)

DTMF for transmitting digits, * and #; select from RFC2833, SIP Info and In Band

Send KeepAlive: (Default, Disable)

Send keep alive package to keep the SIP registration from being blocked

Send KeepAlive Type: (Default, Dummy)

Dummy; to send a dummy UDP package through port 5060 Options; to send SIP options

Send KeepAlive Interval: (Default, 60)

How long the phone sends the keep alive message (seconds); select from 10, 20, 30, 40, 50, 60, 90, 120, 240 and 480.

MWI: (Default, Disable)

Enable to subscribe message waiting information.

Mode: (Default, Multi)

Multi; allow send/receive multiple calls through the SIP account Single; allow only one send/receive call through the SIP account

DNSSRV: (Default, Disable)

Enable DNSSRV query

Status:

The status of the SIP registration; registered, registering or register fail

**AEi SIP resilience feature, also known as SIP registration failed over feature. With the setting shown in the follow picture, it supports up to three SIP servers. Add “;” in between two servers and also at the end.

SIP Account Settings
You could set information of service domians in this

SIP Account 1

Active: Enable Disable

Registration ID: 71001

Display Name: 71001

Authentication Name: 71001

Password: *****

Registration Server: 172.8.12.11;172.8.12.12;172.8.12.13;

Proxy Server: 172.8.12.11;172.8.12.12;172.8.12.13;

Proxy Address: 172.8.12.11;172.8.12.12;172.8.12.13;

Voice Mail: 1299

Expire Time: 300 ▾

DTMF Type: RFC2833 ▾

Send KeepAlive: Disable ▾

Send KeepAlive Type: Dummy ▾

Send KeepAlive Interval: 60 ▾

MWI: Enable ▾

Mode: Multi ▾

DNSSRV: Disable ▾

Status: registered

Submit Cancel



Network

Status

Show the network status of the phone

Network Status

This page shows current status of network interfaces of the system.

LAN Information	
Type:	DHCP Client
IP Address:	192.168.1.188
Netmask:	255.255.255.0
Gateway:	192.168.1.4
Primary DNS:	192.168.1.100
Secondary DNS:	

Type: Current IP type; DHCP Client or Static IP
IP Address: Current IP address of the phone
Netmask: Current Netmask of the phone
Gateway: Current Gateway of the phone
Primary DNS: Current Primary DNS IP address
Secondary DNS: Current Secondary DNS IP address

LAN Port Settings

IP Type: (Default, DHCP Client) Select "Static IP" and configure the following fields from IP address to Secondary DNS.

IP address: The IP address of the phone
Netmask: The Netmask of the phone

Gateway: The gateway of the phone

Primary DNS: The primary DNS IP address

Secondary DNS: The secondary DNS IP address

Mac Address: The MAC address of the phone

LAN Port Setting

IP Type:	<input type="radio"/> Static IP <input checked="" type="radio"/> DHCP Client
IP Address:	<input type="text" value="192.168.1.188"/>
Netmask:	<input type="text" value="255.255.255.0"/>
Gateway:	<input type="text" value="192.168.1.4"/>
Primary DNS:	<input type="text" value="192.168.1.100"/>
Secondary DNS:	<input type="text"/>
Mac Address:	00:0e:43:d1:6d:2a

802.1X Setting

EAP Method: (Default, Disable) The EAP method; PEAP or TLS

Username: The username of the method

Password: The password of the method

Confirm Password: Confirm the password of the method

802.1X Setting	
EAP Method:	Disable ▾
Username:	<input type="text"/>
Password:	<input type="password"/>
Confirm Password:	<input type="password"/>

VLAN Setting

Switch: (Default, Disable) Enable switch to apply a VLAN to the phone.

Identifier: (Default, 1) Ranging from 1 ~ 4094

Priority: (Default, 0) Ranging from 0 ~ 7

VLAN Setting	
Switch:	Disable ▾
Identifier:	<input type="text" value="1"/> (1~4094)
Priority:	<input type="text" value="0"/> (0~7)

Capture

Download the Debug Capture File

You could download the Capture File here.



Download_Capture	
File:	Please Start the capture processing first
<input type="button" value="Start"/> <input type="button" value="Stop"/> <input type="button" value="refresh"/>	



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