## **WISE**NET

# **MICROPHONE** User Manual

SPA-M1000

## Microphone

User Manual

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- ※ Appearance, specification, etc. of the product is subject to change for performance improvements without prior notice. The latest update is available on the official Hanwha Techwin website. (www.hanwha-security.com)
- % The initial administrator ID is "admin" and the password should be set when logging in for the first time. Please change your password every three months to safely protect personal information and to prevent the damage of the information theft. Please, take note that it's a user's responsibility for the security and any other problems caused by mismanaging a password.

## WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

To prevent injury, this apparatus must be securely attached to the Wall/ceiling in accordance with the installation instructions.

## CAUTION



## EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

## CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

## ATTENTION

IL Y A RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UNE BATTERIE DE TYPE INCORRECT.

METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÉMENT AUX INSTRUCTIONS.

These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

The ITE is to be connected only to (PoE/PoE+) networks without routing to the outside plant.

The wired LAN hub providing power over the Ethernet (PoE/PoE+) in accordance with IEEE 802.3af/at shall be a UL Listed device with the output evaluated as a Limited Power Source as defined in UL60950-1 or PS2 as defined in UL62368-1.

Unit is intended for installation in a Network Environment 0 as defined in IEC TR 62102. As such, associated Ethernet wiring shall be limited to inside the building.

#### IMPORTANT SAFETY INSTRUCTIONS

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this apparatus near water.
- Clean the contaminated area on the product surface with a soft, dry cloth or a damp cloth. (Do not use a detergent or cosmetic products that contain alcohol, solvents or surfactants or oil constituents as they may deform or cause damage to the product.)
- 7. Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/ accessories specified by the manufacturer.
- 12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.



- 13. To prevent injury, this apparatus must be securely attached to the Wall/ceiling in accordance with the installation instructions.
- 14. Unplug this apparatus during lighting storms or when unused for long periods of time.
- 15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 16. This product is intended to be supplied by a Listed Power Supply Unit marked "Class 2" or "LPS" or "PS2" and rated from PoE (48V ===), 250mA.
- 17. This product is intended to be supplied by isolation power.
- 18. If you use excessive force when installing the product, the product may be damaged and malfunction. If you forcibly install the product using non-compliant tools, the product may be damaged.
- 19. Do not install the product in a place where chemical substances or oil mist exists or may be generated. As edible oils such as soybean oil may damage or warp the product, do not install the product in the kitchen or near the kitchen table.
  - This may cause damage to the product.
- 20. When installing the product, be careful not to allow the surface of the product to be stained with chemical substance.
  - Some chemical solvents such as cleaner or adhesives may cause serious damage to the product's surface.
- 21. If you install/disassemble the product in a manner that has not been recommended, the production functions/ performance may not be guaranteed.

- 22. Do not install on a surface where it is exposed to direct sunlight, near heating equipment or heavy cold area.
- 23. Do not place this apparatus near conductive material.
- 24. Do not attempt to service this apparatus yourself.
- 25. Do not place a glass of water on the product.
- 26. Do not install near any magnetic sources.
- 27. Do not place heavy items on the product.
- 28. Please wear protective gloves when installing/removing the product. The high temperature of the product surface may cause a burn.
- 29. This device has been verified using STP cable. The use of appropriate GND grounding and STP cable is recommended to effectively protect your product and property from transient voltage, thunderstroke, communication interruption.
- 30. In particular installation environments, there might be interference in radio communications. When interference of electromagnetic waves occurs between the product and radio communication device, it is recommended to keep a certain distance between the two or change the direction of the receiving antenna.
- 31. An apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.
- 32. Batteries(battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.
  - The battery cannot be replaced
- 33. Disconnect the main plug from the apparatus, if it's defected. And please call a repair man in your location.
- 34. Select an installation site that can hold at least 5 times the product's weight.
- 35. Stuck-in or peeled-off cables can cause damage to the product or a fire.
- 36. For safety purposes, keep anyone else away from the installation site. And put aside personal belongings from the site, just in case.
- 37. We do not guarantee the quality of third-party products (e.g. accessories) that you separately purchase.

#### **OVERVIEW**

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#### FEATURES

#### · Paging communication over the network

You can broadcast a variety of messages, such as announcements to a designated area within the network, using the paging system by connecting it to a network audio server or controller mode speaker.

#### Gooseneck microphone

You can use the gooseneck microphone conveniently by adjusting its position flexibly to fit a user environment.

#### Simple button operation

You can select the broadcasting area simply by using the buttons on the Number buttons or the ALL button, etc., and you can select the operation method of the TALK button and CHIME button based on your preferences.

#### · 2.42 inch OLED display

Through the OLED display, you can monitor the current status of the product and prevent errors when entering button inputs, such as when selecting a broadcasting area.

#### · Level meter with an LED display

You can intuitively monitor the current volume level through the sound level meter with an LED display.

#### · Monitoring speaker

You can monitor the current volume level using the monitoring speaker on the side of the product.

#### · Input/output control volume

You can adjust the input volume of the microphone, the volume of the monitor speaker and chime, and the input volume of the connected external audio source.

#### DC 24V power input

A DC 24V power input terminal provides a stable power supply while using an adapter.

#### • Power over Ethernet (PoE)

If you connect a PoE-enabled device to the NETWORK port of the product, power can be supplied without a separate power connection.

This product is a network microphone that is to be connected to the controller device (e.g., audio server, speaker/audio module set to controller mode) of the network audio system. To use the microphone, you must connect it to the network and register a device via a webbased integrated control software and an RM source. You can set up your CP and VP numbers in the Events & Preset menu.

There should be only one controller mode device in the broadcast system. If there are multiple controller mode speakers or audio servers and they are registered as the microphone more than once, proper broadcasting cannot be performed.



Network Audio Module (Analogue Speaker)

#### CHECKING THE COMPONENTS

Make sure all of the following components are included. (Accessories may vary by sales region.)











The images used in the product manual may differ from the actual product.

#### NAMES AND FUNCTIONS OF EACH PART

#### Front



Name	Function Description
1 Microphone release button	Releases the gooseneck microphone.
2 Microphone connection port	Connects the gooseneck microphone.
3 Status indicator	Indicates the settings and current status of the product.
4 CP event buttons	This is a CP event number (1 - 5) input button set in the <all &="" event="" list="" preset=""> of the controller device.</all>
5 Number buttons	Buttons used to select a broadcast area or mode number. This is also used as the VP event number button set in the < <b>All Event &amp; Preset List</b> > of the controller device.
6 TALK button	The button used to start or end a broadcast with a microphone. For information on how to set the TALK button, refer to " <b>Talk Type Settings</b> ". (Page 24)
7 ALL button	The button used to select all broadcast regions.

Name	Function Description
8 CHIME button	The button used to sound a chime to signal the start or end of a broadcast. For information on how to set up a chime, refer to "Chime Settings". (Page 24)
9 NEXT button	When entering numbers, if 8 or more numbers have already been entered, they cannot all be displayed on a single screen, so this button is used to return to the previous page.
10 PREV button	When entering numbers, if 8 or more numbers have already been entered, they cannot all be displayed on a single screen, so this button is used to return to the previous page. *Used as the Exit button for the Menu screen.
11 PRESET button	Button to switch to CP, Group, or Zone mode in the < <b>Talk Protocol</b> > menu.
12 MENU button	Use it to make settings for the TALK and CHIME buttons, or to check the product's network or firmware information. *The <b>[MENU]</b> button is also used as the Exit button for the Number input screen.
<b>13</b> Level meter LED	Measures and displays the current volume level.
14 Network status LED	Indicates network connection status.
<b>15</b> Power status LED	Indicates power connection.
16 Monitor speaker/AUX/Chime volume dial	Controls the volume of the monitor speaker, the input volume of the connected external audio source, and the chime volume.



Name	Function Description
<b>1</b> POWER input terminal	Supplies DC 24V power by connecting to the supplied power adapter.
2 RESET switch	<ul> <li>A button that returns the product settings to the factory default values. Press the button for approximately 12 seconds to reset and reboot the product.</li> <li>Do not disconnect the power until product resetting is complete. Doing so may cause malfunctions. It will take more than 10 minutes to reboot after resetting the product.</li> </ul>
3 NETWORK terminal	Connects network cable. The microphone can be used when broadcasting through the integrated control software of the controller device within the same network. When connected to a PoE device (switching hub), power can be supplied without a separate power connection.
4 AUX IN port	Receives sound by connecting to an external audio source via an RCA cable.
5 MIC VOL dial	A dial that adjusts the microphone input volume level

#### INSTALLATION

#### **Precautions Before Installation**

- Be careful that cables do not become stuck in the wrong places and that the covering of electric wires is not damaged, as this can cause product damage or fire.
- If the product is forcibly assembled by applying excessive force, the product may be damaged.
- Adjust the microphone volume to the minimum before plugging it into the power source.

#### Connecting to the Gooseneck Microphone

Align the 3 pins on the bottom of the gooseneck microphone with the hole of the connection port, then push it in until you hear a click sound.



#### Disconnecting from the Gooseneck Microphone

Disconnect the gooseneck microphone from the device while pressing the <PUSH>button on top of the gooseneck microphone.



#### CONNECTING TO OTHER DEVICES



#### Network Cable Specifications

Item	Specifications	Remark
Connector	RJ45 (10/100BASE-T)	
Ethernet	10/100Base-T	
Cable	Category 5e	
Max Distance	100 m	DC resistance $\leq 0.125 \Omega/m$
PoE Support	IEEE 802.3af	

When connecting to each device, be sure to power off the connected device before connecting.

#### Connecting to a Network

Connect the router or switching hub to the **NETWORK** port of the product using a network cable.

#### Network Connection to Power

Connect the router or switching hub using a network cable that provide PoE to the **NETWORK** port of the product.

- For PoE, use equipment that supports the IEEE802.3af standard.
- If you connect to a PoE-supported switching hub, you can use the product without connecting a separate power source.
- To connect to the product's network, refer to "starting." (Page 12)

#### Connecting to Power

Connect the supplied power adapter's connector to the product's power input (DC 24V), and then connect the power cord to the power adapter.

## starting

You can set the product's network environment according to the user's network connection configuration.

To change your product's network configuration settings, follow these instructions to access the product.

## CONNECTING TO A PC

The PC should be connected to the same network as the product when accessing the product for the first time. Use a network cable to connect the product's **NETWORK** port to the switching hub that is connected with the PC.



= Connect the supplied DC power cable to receive power, or connect a switching hub that supports PoE or PoE+

ACCESS PRODUCT

Various functions, including maintenance and environment settings, are available on the product website.

1. Set an IP address to 192.168.1.x, the same band as the product, in the network property of the PC. (e.g. 192.168.1.100)

General	
You can get IP settings assigned autor this capability. Otherwise, you need to for the appropriate IP settings.	
Obtain an IP address automatical	lly
Use the following IP address:	
IP address:	192.168.1.100
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192.168.1.1
Obtain DNS server address autor	natically
• Use the following DNS server add	resses:
Preferred DNS server:	
Alternate DNS server:	
Ualidate settings upon exit	Advanced
	OK Cancel

2. Run a web browser on the PC.

- An available web browser is Google Chrome (Version 99.0.4844.82 or higher). Google Chrome is available at www.google.com/chrome.
  - It can be used in Chrome as it is a supported web browser. For the computer OS, it can be used in Windows 10 or Mac 10.15 (Catalina) or 11 (Big Sur).
     Product validation was performed on Windows 10 21H2 and the Mac 10.15.7 and 11.6 versions.
- The initial IP address of all products is 192.168.1.99. Before installing the product, it is recommended to set a static IP address for separate products.
- If multiple products are connected concurrently to the same switch hub with the initial IP addresses, the web page cannot distinguish the IP addresses, resulting in failing to set passwords.
  - Use Device Manager to set the initial password and IP address to use.

Ø

#### Registering using Device Manager

If the product is connected to a network which includes a computer where the device manager is installed, you can search products, set up passwords, change IP addresses, upgrade firmware, and access web pages. Please refer to the manual of the Device Manager Program for more information.

The Device Manager Program () is available on the official Hanwha Techwin website (http://www.hanwhasecurity.com) by clicking <Technical Support> - <Online Tool>.



- When you connect the product to the switch hub, its IP address is 192.168.1.99, and its status information is queried as <Need PW>.
- 2. Select one or multiple products and set a password to use for each product.

- Set a password in the [Credential] menu and press [Search] on the list screen. Then, the status
  information is queried as <Login Fail> or <Login OK>.
- Depending on the number of products selected or the network conditions, you may encounter the <Connect Fail> message. The password setting and [IP Assign] function will run normally irrespective of the indicated status.
- For the rest of the products that are queried as <Need PW>, select them and set passwords for them.
- If they are not queried as <Need PW>, run <New Project> → <Search> and set the passwords after being queried as <Need PW>.
- A password should contain 8 or more characters, and if it contains fewer than 9 characters, then a combination of 3 or more English uppercase/lowercase letters, numbers, or special characters must be used. If it includes 10 to 16 characters, a combination of 2 or more types must be used.
- It is recommended not to use the same character repeatedly or consecutive keyboard inputs as passwords for enhanced security.

3. Select a product to set its IP address, and enter the IP address to use (e.g., Set Static IP).

#### When you select products one by one

- Select < Assign the following IP address> from the [IP Assign] menu, then set its IP address.
- The DNS server address is automatically set as the product's initial DNS address (DNS1 8.8.8, DNS2 8.8.4.4).

P Assign - Single device					)
Obtain an IP ad	dress automatically (DF	HCP)			
Assign the follo	wing IP address		MAC Address :	00:1D:1D:03:40:F8	
IP Address :	192 . 168 . 1	. 99	HTTP Port :	80	
Subnet mask :	255 . 255 . 255	. 0	VNP Port	4520	
Gateway :	192 . 168 . 1	. 1	RTSP Port	554	
DNS1:	8.8.8	. 8			
DNS2 :	8 . 8 . 4	. 4			
		pply	Close		

#### When you select multiple products

Select <Assign the following IP address> from the [IP Assign] menu. Then apply the starting address
in the range of IP addresses to be assigned.

a ir Assign	- Multiple dev	1003										-		2
O Obtain	an IP address a	utomati	cally (DHCP)											
Assign	the following IF	addres	is											
IP Ad	idress :	192 .	168 . 1 . 50	~ 192 .	168 . 1 . 54	HTTP Port	80	1						
Subi	net mask :	255 . 255 . 255 . 0				Port	4520	1						
Gate	way :	192 .	168 . 1 . 1			RTSP Port	554	1						
DNS	1:	8.	8.8.8				<i>c</i>	1						
DNS	2:	8.	8.4.4				Simulate							
Model	MAC Addre	ss	IP(OId)	IP(New)	Subnet(New)	Gateway(New)	DNS1(Old)	DNS2(Old)	HTTP	Device	RTSP	Re	sult	
PA-D1000	00:1D:1D:03:4	0:F8	192.168.1.99						80	4520	554			
PA-D1000	00:1D:1D:03:4	1:68	192.168.1.99						80	4520	554			
PA-D1000	00:1D:1D:03:4	0:DB	192.168.1.99						80	4520	554			
PA-D1000	00:1D:1D:03:4		192.168.1.99						80	4520	554			
PA-D1000	00:1D:1D:03:4	0:CA	192.168.1.99						80	4520	554			
UP Do	wn				Ap	ply Cli	ose							
	ess:0,Fail:0													

- When you select <0btain an IP address automatically (DHCP)> from the [IP Assign] menu, the DHCP IP address is automatically assigned.
  - The HTTP port supports only the number 80, and the VNP and RTSP ports are not used in the network audio product.

## starting

- 4. When you press [Search] on the list screen, it can be queried with the set IP address and <Login OK>.
  - If its status is not queried with <Login OK>, please log in on the [Credential] menu to be queried with <Login OK>.
- If you apply the product password in <System> → <Device Default Credential Setting> in the device manager, it is automatically queried as <Login OK> even when you search for it as a new project or re-execute the device manager.

Device Default Setting	×
Default ID :	admin
Default Password :	•••••
Default Password(Confirm) :	•••••
	Apply

- You can update to the latest firmware for the product using the device manager.
- The network audio product does not support the download the latest firmware's download function.
- Please download the latest firmware (modelname\_version.imkp) to your PC from the Hanwha Techwin website (http://www.hanwha-security.com).
- 1. When selecting firmware for each product and running [Upgrade], the status will change to <50%> from <Login OK>.

ownload Path	C:\Users\Public\Doc	uments\Wisenet\Wi	senet Device Manag	ger					
Model	MAC Address	IP Address	Current ver.	Warning		Status	New ver.	Current ISP	New ISP
SPA-S1000	SPA-S1000 ver3.4.0.								
	00:1D:1D:02:E2:71	192.168.1.121	3.4.0.15	Transfer (4) 12:35:	35 PN	50%		None	
SPA-W100	SPA-W100 ver3.4.0.1								
	00:1D:1D:03:40:E1	192.168.1.131	3.4.0.15	Transfer (4) 12:35:	35 PN	50%		None	
	00:1D:1D:03:40:D3	192.168.1.135	3.4.0.15	Transfer (4) 12:35:	35 PN	<mark>50</mark> 96		None	
SPA-C100	SPA-C100 ver3.4.0.1								
	00:1D:1D:03:41:B7	192.168.1.132	3.4.0.15	Transfer (4) 12:35	35 PN	50%		None	
SPA-D1000	SPA-D1000 ver3.4.0.								
	00:1D:1D:03:40:FC	192.168.1.133	3.4.0.15	Ready 12:35:38	5 PM	Login OK		None	
SPA-M1000	SPA-M1000 ver3.4.0.								
	00:1D:1D:02:D2:DB	192.168.1.134	3.4.0.15	Ready 12:35:38	5 PM	Login OK		None	
l	es the devices that are in								
Upgrade multipl		connection failed	or in login failed s	adus.					
Parallel	Max Device 4	Relative time :	Now	~					
O Sequence		Absolute time :	Monday ,	May 16, 2( ~					
			12:35:56 PM	*	Upgrade	Close			

- When the firmware update is completed and the system is rebooted, the status will change to <Please wait until the program starts.>. After it reaches 100%, it will change to <Success>
- 3. If you update multiple products at the same time, the update will proceed sequentially by four units at a time.

ownload Path	C:\Users\Public\Do	C:\Users\Public\Documents\Wisenet\Wisenet Device Manager										
Model	MAC Address	IP Address	Current ver.	Warning		Status	New ver.	Current ISP	New ISP			
SPA-S1000	SPA-\$1000 ver3.4.0.											
	00:1D:1D:02:E2:71	192.168.1.121	3.4.0.15	Transfer (4) [RE-LOGI	NJ 12:35	Success	3.4.0.16	None	None			
SPA-W100	SPA-W100 ver3.4.0.1											
	00:1D:1D:03:40:E1	192.168.1.131	3.4.0.15	Transfer (4) [RE-LOGI	NJ 12:35	Success	3.4.0.16	None	None			
	00:1D:1D:03:40:D3	192.168.1.135	3.4.0.15	Transfer (4) [RE-LOGI	NJ 12:35	Success	3.4.0.16	None	None			
SPA-C100	SPA-C100 ver3.4.0.1											
	00:1D:1D:03:41:87	192.168.1.132	3.4.0.15	Transfer (4) [RE-LOGI	NJ 12:35	Success	3.4.0.16	None	None			
SPA-D1000	SPA-D1000 ver3.4.0.											
	00:1D:1D:03:40:FC	192.168.1.133	3.4.0.15	Transfer (1) 12:3	5:35 PN	50%		None				
SPA-M1000	SPA-M1000 ver3.4.0.											
	00:1D:1D:02:D2:DB	192.168.1.134	3.4.0.15	Transfer (1) 12:3	5:35 PM	<mark>50</mark> %		None				
									;			
	les the devices that are in	Schedule	or in Togin failed	status.								
Upgrade multipl	e devices in	schedule				1						
Parallel	Max Device 4	Relative time :	Now	~	Download Upgrade	Download						
Sequence		Absolute time :	Monday ,	May 16, 20 V		Close						
			12:35:56 PM	* *		Close						

# STARTING

#### Registering with the product's initial IP address

If you connect only one product to the switch hub, it is possible to set up the password even on the web page.

- 1. Enter the product's initial IP address into the web browser's address bar.
  - ← → C G 192.168.1.99

F 🔔 -

 The admin account password must be registered when accessing the product for the first time. When the </ change Password> window appears, please enter a new password.

Ē	idmin	

- A password should contain 8 or more characters, and if it contains fewer than 9 characters, then a combination of 3 or more English uppercase/lowercase letters, numbers, or special characters must be used. If it includes 10 to 16 characters, a combination of 2 or more types must be used.
  - It is recommended not to use the same character repeatedly or consecutive keyboard inputs as passwords for enhanced security.
- 3. A product login screen appears after successfully setting the password.

Password	
Login	
⊕ English ∨	

#### LOGGING IN

Use the password set for the admin account.

- 1. Enter "admin" in the <ID>field.
- 2. Enter a password in the <Password> field.
- Click the [Login] button to move to the Home screen of the product. After 30 minutes of inactivity on the website, you will be automatically logged out.
- If you forget the password, the product has to be initialized by pressing the RESET button for about 12 seconds. Therefore, make sure to write your password down or remember it. If you have already logged in, the system can be initialized in the <Environment Setting> → <System Management> menu of the web page.
  - Do not disconnect the power until the system initialization is complete after pressing the [RESET] button of the product or during product resetting. It will take more than 10 minutes to reboot after resetting the product.
- To change the network settings according to the user's network connection configuration, use the <Network Setting> function in <Environment Setting>. (Page 19)

Environment Setting > Network Setting		
Common network configurations setting	Network	
	Network Information	

- Available accounts are divided into admin, setup, user, and guest by access authority level. Go to <Environment Setting> → <System Management> → <Change Password> to change the passwords of each account. (Page 17)
- A maximum of five users can log in to the product at the same time. The "Exceed the maximum user " screen will appear if there is an attempt to log in while the maximum number of users are logged in, and it will show the currently connected PC IP addresses.

Exceed the maximum user				
Usemame	IP address	Access time	Control	
admin	192.168.1.99	2021/04/12 15:48:49	Disconnect	
admin	192.168.1.100	2021/04/12 16:25:15	Disconnect	
admin	192.168.1.101	2021/04/12 17:42:59	Disconnect	
admin	192.168.1.102	2021/04/13 15:21:05	Disconnect	
admin	192.168.1.103	2021/04/13 14:11:30	Disconnect	
Cance			ок	

## environment settings

#### HOME SCREEN CONFIGURATION

If you connect to the product using a web browser, you can check the system management, network settings, time settings, logs, etc.

#### Getting to Know the Home Screen



Name		Function Description
	Home	Goes to the Home screen.
1 Maintenance		Logs generated in the product can be checked.
	Environment Setting	You can set up the System Management, network, and time information.
2	Product Model Name	Displays the device's model name.
<b>3</b> Product Information The IP address, product name, product location, and firmware version are displayed.		The IP address, product name, product location, and firmware version are displayed.
<b>4</b> Connected Account/Login Shows a connected account and its login status.		Shows a connected account and its login status.
<b>5</b> Time Information The connection time to the web page menu, product cumulative operating time, and product will be displayed.		The connection time to the web page menu, product cumulative operating time, and product time will be displayed.
6 Language Shows the language options supported on the website. (Korean, English supported)		Shows the language options supported on the website. (Korean, English supported)
		If you click < <b>Hanwha</b> >, the screen will move to the Hanwha Techwin Official Website.
7	Go to the Official Website	Before using the product, please check the latest firmware version on the Hanwha Techwin website (http://www.hanwha-security.com). Download and update it if it is necessary.

#### MAINTENANCE

#### View Log

Logs generated in the product can be checked.

The log items are different for each product, and they are recorded when the log operation occurs.

V	ISENET	10 ; admin to ; out
Ince	Minimum Automatica > Mark Lag          View Log	
	Capyright 2021 Humanin ddi righta rearvad. 🚭 Eagledh A	Connection Time Operation Time 3.10 PM 1509/43 00 Days 00:0125 2022-04-21

- 1. Click <Maintenance>  $\rightarrow$  <View Log> on the Home screen.
- The action log history for the device is shown by item. The Log menu will appear on the View Log when its function is activated.
- If you click the [Receive Logs] button, the file can be downloaded in the HTML format. Check HTML files using Google Chrome.
- 4. If you click the [Delete Logs] button, all logs displayed on the screen will be deleted.
- The Output Unit, Auto Update, Update Cycle, and Scroll Mode can be set. If you activate <Auto Update>, logs will be displayed in accordance with the <Update Cycle> on the screen.
- If you set < Scroll Mode> to automatic, the screen will be moved downward to show recent logs.
  - Press the [▲/▼] button to view the upper and lower logs.

The optimal monitor resolution is 1920x1080.

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#### SYSTEM MANAGEMENT

Various functions are available, including System Upgrade, Change Password, System Check, Restart, and Reset.



#### Upgrading the System

- 1. Click <Environment Setting> → <System Management> on the Home screen.
- 2. Click the [Upload] button in <System Upgrade>.
- Select the upgrade file (model name\_version.imkp) that you downloaded from the official Hanwha Techwin website (http://www.hanwha-security.com) in advance and click [Open].



- Click [Apply] to start System Upgrade. Click <OK> when the "System Restart" window appears after up to five minutes.
  - If you close the web browser or move to another menu before the "Restart the Program" message pops up, it may not be updated.
  - Do not disconnect the power in the middle of a system upgrade. Doing so may cause malfunctions.

- 5. It will take up to 10 minutes to upgrade the system and reboot the product.
  - The software version information of the product is available in the upper-right corner of the Home screen.

#### Changing the Password

You can change the passwords of each account.

Password Change		
Destination Account		
Current Password		
New Password		
New password confirm		

ENVIRONMENT SETTINGS

- 1. On the Home screen, click <Environment Setting> → <System Management>.
- By clicking <Destination Account> from <Change Password>, select the account you want to change and set the password.
- 3. Click the [Apply] button after entering a new password in the two input fields.
- 4. The admin account can be changed if you enter the previous password. If you forgot the previous password, the product has to be initialized, and the passwords for all the accounts will be initialized during the process.
- The password of the setup, user, and guest accounts can be set, changed, or reset from the admin account if they are forgotten.

#### Viewing the supported menu by account

To prevent any confusion due to arbitrary changes to the settings and to continue stable maintenance of the system, access rights are differentiated by account, and all restricted features for each account are disabled on the screen.

- admin: The system management, network settings, time settings, and log history can be viewed.
- setup, user: The log history can be viewed.
- guest: The product information can be checked on the home screen.

#### Unlock Account

For all accounts except the admin account, if you enter the wrong password more than 5 times when logging in, the account will be locked for 30 seconds and you will not be able to log in.

The admin account can reset the number of retries by checking the number of login retries for each account and whether the account is locked.

Account lock status				
				Reset lock count
	setup	5	Ê	Reset
	user		٦	Reset
	guest		٦	Reset

- 1. On the Home screen, click <Environment Setting> → <System Management>.
- Click [Reset] after checking the locked account on <Account lock status> The lock icon is changed to unlocked and the number of retries for the account is reset.

#### Setting the System Check Time

Sets the time for the system check. The system reboots automatically at the set time every day.



- 1. On the Home screen, click <Environment Setting> → <System Management>.
- 2. Set the time to start checking in <System Check Settings>
- 3. Click [Apply] after clicking the [ ] button of <Activation>.
- 4. The system will be checked and be rebooted at the set time; it will take approximately 5 minutes.

System Upgi				Check Setting		
			Sucteen Charle	Time IC V H	lour 22 √ Minute	
Password Ch		_				
			stem check s			
		Ref	resh(F5) after	r a while.		
New password	nfirm					
	c					
						-
Account lock						

#### **Restarting System**

You can restart the system without disconnecting the power when a system reboot is needed.



- 1. On the Home screen, click <Environment Setting> → <System Management>.
- 2. Click the [Apply] button in <System Restart>.
- 3. Click <OK> when the system restarting window appears. It will take approximately 5 minutes to reboot the system.

#### Resetting the System

Initializes every system setting to the factory default values. An IP address of the product is also initialized to the initial status, which is 192.168.1.99.

- 1. On the Home screen, click <Environment Setting> → <System Management>.
- If you click the [Apply] button of the <All> item on <Factory Default Setting>, all set values will be reset, and if you click the [Apply] button of the <Network status maintain> item, all set values except for network information will be reset.



- 3. Click <OK> when the factory default window appears. Product initialization starts.
- 4. Click **<OK>** when the system start window appears on the web browser.

-	Do not disconnect the power until the factory default settings are restored
	It will take more than 10 minutes to reboot after resetting the product.

- When the system initialization is completed, previously registered product information should be deleted from the controller mode speaker or audio server (SPA-S1000), and you must register if you wish to use the product.
- As the log information will be deleted when the product's system is initialized, please download it in advance.

#### NETWORK SETTINGS

You can change the network settings according to the user's network connection configuration.

1. On the Home screen, click <Environment Setting> → <Network Setting>.



- On the <Common network configurations setting>, the <Device Name> is displayed as <Name> on the device manager's query list.
- You can enter the location of installation in <Device Location> in <Common network configurations setting> (e.g. 6th floor, Main Building)
- You can enter the IP address, subnet mask, gateway, DNS 1 and DNS 2 server addresses for the product by selecting <User Setting> in <Network Setting>.
  - MAC address: The unique physical address of the product. (e.g. Starts with 00:1d:1d.)
  - IP address: Enter the IP address available in your network band.
  - Subnet mask: The subnet mask of the set IP address is indicated.
  - Gateway: The gateway of the set IP address is indicated.
  - DNS 1 server, DNS 2 server: Enter the primary DNS address and secondary DNS address.
- The IP, subnet mask, gateway, DNS 1 and DNS 2 server addresses for the product will be allocated automatically from the DHCP server by selecting <DHCP Setting> in <Network Setting>.
- · Click [Apply] to apply the set network information to the product.
- Click [Initialize] to return to the most recent status before changing settings.
- The system restarts automatically if the network settings are changed.

## environment settings

#### TIME SETTINGS

Set the time and date accurately or it may cause problems in operating the broadcast.

1. On the Home screen, click <Environment Setting>  $\rightarrow$  <Time Setting>.



- The current time is set if you select GMT of your location on <Standard Time Zone>
- For the local network which is not connected to the external Internet, select <User Setting> in <Time Setting> and enter the time manually to use it.
- If it is connected to the external Internet, select <Auto Configuration> in <Time Settings> to synchronize the time to the standard time of the time server.
- For the domain address in the <Time Server Address> input field, use time.google.com / time.apple.com / pool.ntp.org / north-america.pool.ntp.org / time.bora.net / clock.isc.org.
   Please check if the domain address provides time information which reflects Daylight Saving Time.
- <Next Synchronization Time> automatically changes from the previously synced time every 8 hours.
- Click [Synchronization Now] to synchronize the time to the time server.

2. Click [Apply] to apply the set Time and Date information.

- If the product is used in a local network environment without an external Internet connection, the time information may become wrong due to the product's accumulated time errors. To accurately schedule the broadcast time, it is recommended to install a separate time server device which uses GPS signals, or enter its audio server IP address (SPA-S1000) in the <Time Server Address> field of other products to synchronize the time information of the audio servers.
  - If the product is used in a local network environment without the external Internet connection, Daylight Saving Time is not automatically reflected as it is not synchronized with an external time server. In countries where Daylight Saving Time is applicable, it is recommended for the system administrator to use the product by changing the time manually for the start and end dates of the Daylight Saving Time.

## using the microphone

When using the microphone, you can check the input number and current status through the status indicator of the product.



#### POWER ON

#### Initial Screen

- 1. When the product is powered on, a < Welcome> message will be displayed on the status indicator.
- 2. After about 5 seconds, the <Booting ...> message will be displayed, and then the <Initializing ...> message will appear.
- 3. When the product is booted up, the status indicator will be displayed as a standby screen.



#### Standby Screen

By pressing the **<MENU>** button on the main body of the product, it will be divided into three modes according to the **<3. Talk Protocol>** setting in the **<Talk type>** menu as follows. You can switch each mode with the **[PRESET]** button on the product body.

SPA-M1000 CP Mode	
CALL STATION	If <talk protocol=""> is in the Isls-CP</talk>
192. 168. 1. 99	
SPA-M1000 Group Mode	
CALL STATION	If <talk protocol=""> is in the Isls-Group</talk>
192. 168. 1. 99	
SPA-M1000 Zone Mode	
CALL STATION	If <talk protocol=""> is in the Isls-Zone</talk>
192. 168. 1. 99	



 If there is no button input for about 30 seconds on the standby screen, it will enter sleep mode and the status indicator will turn off.
 Press any button to switch from sleep mode to the standby screen.

## using the microphone

#### BROADCASTING

1. If you press any number button while on the standby screen, the broadcasting mode (Zone, Group, CP) set in <Talk Protocol> and the entered number will be displayed on the screen.



The number specified in the zone registration and group setting menus of the controller device will be selected for Zone and Group mode.

The VP number specified in the Event & Preset menu of the controller device will be selected for CP mode.

- While on the Number input screen, press the [MENU] button on the product body to end number input and switch to the standby screen.
- An incorrectly entered number can be deleted by pressing the [\*] button. (Role of Backspace)
- 2. Press the [ # ] button to register the entered number.



3. If there are more numbers to broadcast, press the appropriate Number button and then press the [#] button.



4. When the number registration is complete, press the **[TALK]** button on the product body.



- 5. When the <Talking...> screen is displayed, start broadcasting with the microphone.
  - If the product is not registered as an RM source in the controller device of the network audio system, the <Request talk> screen will display for about 10 seconds and then switch back to the standby screen.
    - If the product is registered as a device and RM source and Event & Preset, Zone, and Group are normally set and operated in the controller device, the screen will switch to <Talking...>.
- Press the [\*] button on the <Talking...> screen to mute the microphone volume, and press the [ \*] button to mute the external audio source (AUX) volume. You cannot mute the volume of the microphone and AUX at the same time.
  - The way the [TALK] button is used depends on the product's <Talk type> settings. Refer to "Talk Type Settings" for details. (Page 24)
- If you press the [CHIME] button in the <Talking...> state, the chime which is set in [Start Chime Set] will appear. If you press it once more, the chime which is set in [End Chime Set] will appear.

To cancel a registered number, press the button of the number and then press the [\*] button to delete the number.

#### USING CP EVENT BUTTON

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to the standby screen.

If the microphone event is set as <**CP**> in the <**All Event & Preset List**> of the controller mode speaker or audio server, you can generate the event by pressing the CP event button (5 key) on the left side of the microphone.

1. Press the desired CP event button on the standby screen.



While on the Number input screen, press the [MENU] button on the product body to end number input and switch

When the registration of the CP event number is completed, press the [TALK] button on the product body.



4. When the <Talking...>screen is displayed, the set event of the entered CP number will occur.

#### USING VP EVENT BUTTON

If the microphone event is set as **<VP**> in the **<All Event & Preset List**> of the controller mode speaker or audio server, you can generate the event by pressing the number button (10 key) in the middle of the microphone.

The microphone event can be set up as either  $<\!\!CP\!\!>$  or  $<\!\!VP\!\!>$  .

1. Press the desired VP event button on the standby screen.



\*:CLEAR #:ADD M:EXIT

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- 2. If there are more event numbers to add, click the corresponding VP event button.
- 3. When the registration of the VP event number is completed, press the [TALK] button on the product body.
- 4. When the <Talking...>screen is displayed, the set event of the entered VP number occurs.

2. If there are more event numbers to add, press the corresponding CP event button.



To cancel the registered CP event number, press the button once more to delete the number.

## using the microphone

#### **USING MENU**

If you press the **[MENU]** button on the product body, you can change the **<Chime>** and **<Talk type>** settings, or you can check the network information and firmware version.

Each time the **[MENU]** button is pressed, <**Start Chime Set>→<End Chime Set>→<Talk type>→** Network Information → the Firmware Information screen will switch sequentially.

#### **Chime Settings**

You can set the type of chime that indicates the start and end of a microphone broadcast.

- 1. Press the [MENU] button on the product body.
- After selecting the <Start Chime Set> setting screen, press buttons 1-3 to select the desired chime output method.



- Before starting the microphone broadcast on the <Talking> screen, if you press the [CHIME] button, you will hear the chime you set at <Start Chime Set>.
- 3. Press the [MENU] button once more.
- 4. Press button 1 or 2 on the <End Chime Set> setting screen to select the desired chime output method.



- Before ending the microphone broadcast on the <Talking> screen, if you press the [CHIME] button, you will hear the chime you set at <End Chime Set>.
- 5. Press the [PREV] button to exit the chime settings.

#### Talk Type Settings

You can set the [TALK] button usage method when making a microphone broadcast.

- 1. Press the [MENU] button on the product body.
- 2. After selecting the <Talk type> setting screen, press buttons 1 or 2 to select the desired method.
  - <Toggle>: If you press the [TALK] button, the <Request talk Waiting> screen will appear, and after a while, the screen will switch to the <Talking> screen and microphone broadcasting will be available.
  - <Push to talk>: If the <Request talk Waiting> screen appears while pressing the [TALK] button,
     <Talking> screen will appear after a while. Then, microphone broadcasting will be available.



3. Press the [PREV] button to exit the <Talk type>settings.

#### Talk Protocol Settings

You can set the communication protocol method with the controller device the product is registered with.

- 1. Press the [MENU] button on the product body.
- 2. After selecting the <Talk type> setting screen, press button 3 to select <Talk Protocol>.
- 3. Select the desired protocol method.
  - <IsIs-CP>: It operates in CP Mode. If you enter the CP event button (5key) or 10key button on the microphone body and press the [TALK] button, the VP event set in the <Event & Preset> menu of the controller device will occur.

  - <IsIs-Zone>: It operates in Zone Mode, and if you input the 10 key button on the microphone body and press the [TALK] button, it will broadcast to the zone set in the <Zone registration> menu of the controller device.



4. Press the [PREV] button to exit the <Talk Protocol>settings.



#### **Checking Network Information**

You can check the network information set in the product.

- 1. Press the [MENU] button on the product body.
- 2. The <NETWORK> information screen will be displayed.



3. Press the [PREV] button to close the Network information screen.

#### **Checking Firmware Version Information**

You can check the current firmware version of the product.

- 1. Press the [MENU] button on the product body.
- 2. The <Firmware version> information screen will be displayed.





(M : Main board firmware version, F : Front board firmware version)

3. Press the [PREV] button to close the Firmware information screen.

