



AVer EVC170

User Manual

Federal Communications Commission Statement (Class A)

FC NOTE: This equipment has been tested and found to comply with the limits for a Class A

digital device, pursuant to part 15 of the FCC Rules. These limits are designed to pro-vide reasonable protection against harmful interference when the equipment is operate din a commercial environment. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the 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.

[©] For warranty period, please refer to the warranty card.

CE Class A (EMC)

This product is herewith confirmed to comply with the requirements set out in the Council

Directives on the Approximation of the laws of the Member States relating to Electromagnetic Compatibility Directive 2014/30/EU.

Warning - This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures to correct this interference.

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The mark of Crossed-out wheeled bin indicates that this product must not be disposed of with your other household waste. Instead, you need to dispose of the waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. For more information about where to drop off your waste equipment for recycling, please contact your household waste disposal service or the shop where you purchased the product.

Remote Control Battery Safety Information

- Store batteries in any cool & dry place.
- Do not dispose used batteries in domestic waste. Dispose batteries at special collection points or return to stores if applies.
- Remove the batteries if they are not in use for long period of time. Battery leakage and corrosion can damage the remote control, dispose batteries safely.
- Do not mix and use old and new batteries.
- Do not mix and use different types of batteries: alkaline, standard (carbon -zinc) or rechargeable (nickel-cadmium).
- Do not dispose batteries in a fire.
- Do not attempt to short circuit the battery terminals.

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Introduction

Thank you for choosing EVC which offers professional videoconferencing experience in new cost performance benchmark.

EVC give you the latest technologies; slim form factor, flexible integration options and backward compatibility to most videoconferencing install bases. It makes any business meetings and special events much more reliable, effective, and secure.

Features

- Endpoint with Meeting server support H.323 and SIP protocol video conferencing system
- Support full content sharing experience (send and receive) at 60fps, send content from VGA or HDMI
- Dual monitor support via HDMI1 and HDMI2/VGA
- Support CIF (352x240) up to Full HD (1920x1080 60fps) video call
- ▶ EVC with PTZ camera is 18x Total zoom PTZ camera with 2MP low lux sensor
- Include one microphone array, much better audio pick up than competitor offering
- ▶ 10/100 and Gigabit Ethernet; video bandwidth from 64Kbps to 8Mbps
- Support IPv4/IPv6 and Wake-on-LAN (WOL)
- User-friendly on screen operation, support up to 23languages
- Support Phonebook download, upload and edit
- Call history lookups of received, placed and missed calls, allow directly saving it to favorite contact list
- Support H.460 Gatekeeper for NAT and firewall traversal
- G.722.1C* wideband support
- ▶ Infrared (IR) remote control has power button; system supports remote API for AV integration
- Secure communication using AES 128bit encryption

*:G.722.1/G.722.1C, licensed from Polycom®

Package Contents

The following items are included in the package. Please check if each item is available before using.



The power cord will vary depending on the standard power outlet of the country where it is sold.

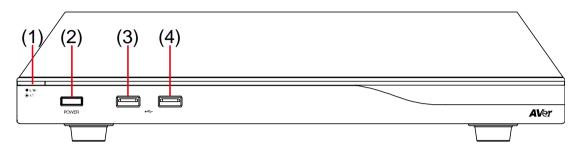
Installation

Getting Familiar with the EVC -Series

EVC includes Main System, MIC, Camera and Remote Controller.

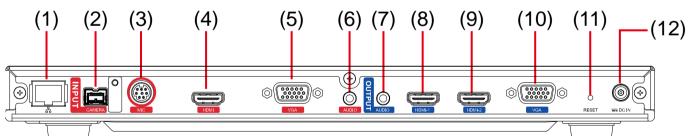
Main System

Front Panel:



Name	Function
(1) LED Indicator	 Show you the status of your LAN connection. 1. Solid Green: LAN connection is successfully 2. Flash Green: Data transmission is processing through the LAN connection.
(2) POWER Button	Press this button to turn on/off main system. Red: power off; Blue: power on
(3) & (4) USB Port	Use to connect the USB storage for system log saving and FW upgrade.

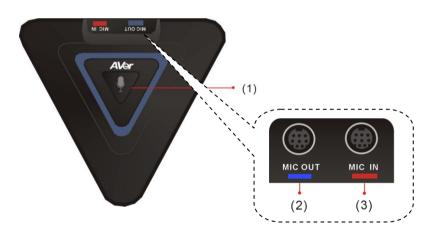
Back Panel:



Name	Function
(1) LAN Port	Use the RJ-45 Ethernet cable to connect an IP-based network to the LAN port.
(2) CAMERA IN Port	Connect the camera to the main system via a camera cable.
(3) MIC IN Port	Receive audio signal from MIC device via a mini din 8 pin MIC cable.
(4) HDMI IN port	Through the HDMI cable connects to the PC or NB.
(5) VGA IN Port	Connect the VGA cable to the VGA input port located on the back panel, and connect the other end of VGA cable to a VGA input source (ex. Document camera, Laptop or Desktop) to input video signal.
(6) AUDIO IN Port	Receive audio signal from an external audio source through the audio cable.
(7) AUDIO OUT Port	Use to connect the main system to external speakers or amplifiers for audio signal output.

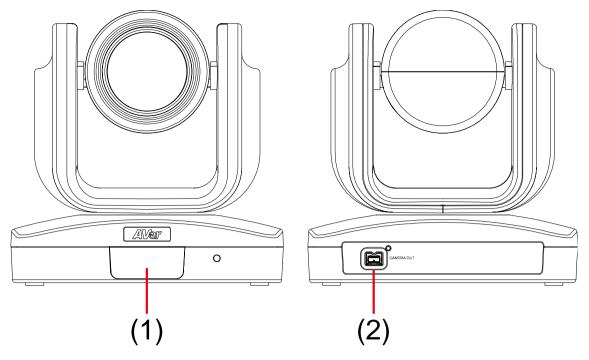
Name	Function
(8) HDMI-1 Port	Connect an HDMI cable from the HDMI monitor to HDMI-1 output port located on the back panel. The HDMI interface allows you to transmit both audio and video signals over a single cable (HDMI cable). In dual screen configuration, the output screen connected to this port will be set up to primary screen automatically.
(9) HDMI-2 Port	Connect the HDMI cable to the HDMI-2 output port located on the back panel, and connect the other end of HDMI cable to a display device to output both video and audio signal. In dual screen configuration, the output screen connected to this port will be set up to secondary screen automatically.
(10) VGA OUT Port	Connect the VGA cable to the VGA output port located on the back panel, and connect the other end of VGA cable to a display device to output video signal. In dual screen configuration, the output screen connected to this port will be set up to secondary screen automatically.
(11) RESET Button	Press it to reboot the main system unit.
(12) POWER Port	Connect the power supply cord and adapter to the power port located on the back panel. And connect the other end of the power cord to a suitable power outlet.

MIC



Name	Function
(1) Mute	Mute/Unmute the Mic. Blue: Unmute; Red: Mute
(2) MIC OUT Port	Outputs audio signal from the MIC to main system.
(3) MIC IN Port	Receive audio signal from the second MIC and pass it through the MIC OUT to the main system.

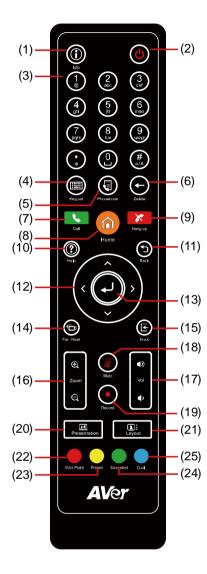
Camera



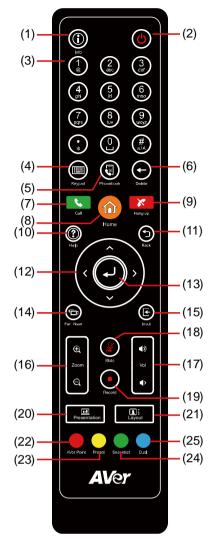
Name	Function
(1) IR Sensor	Receive IR signal from the remote control for system operation. Amber light blinks when it detects key pressing event from remote.
(2) CAMERA OUT Port	Connect the camera cable to the CAMERA OUT port located on the back of camera and CAMERA IN port located on the back panel of main system for a video transmission.

Remote Controller

The remote controller requires two "**AAA**" batteries (included). Make sure the batteries are installed properly before using the remote controller. Aim the remote controller at the infrared sensor of your AVer EVC camera to remote control the unit.



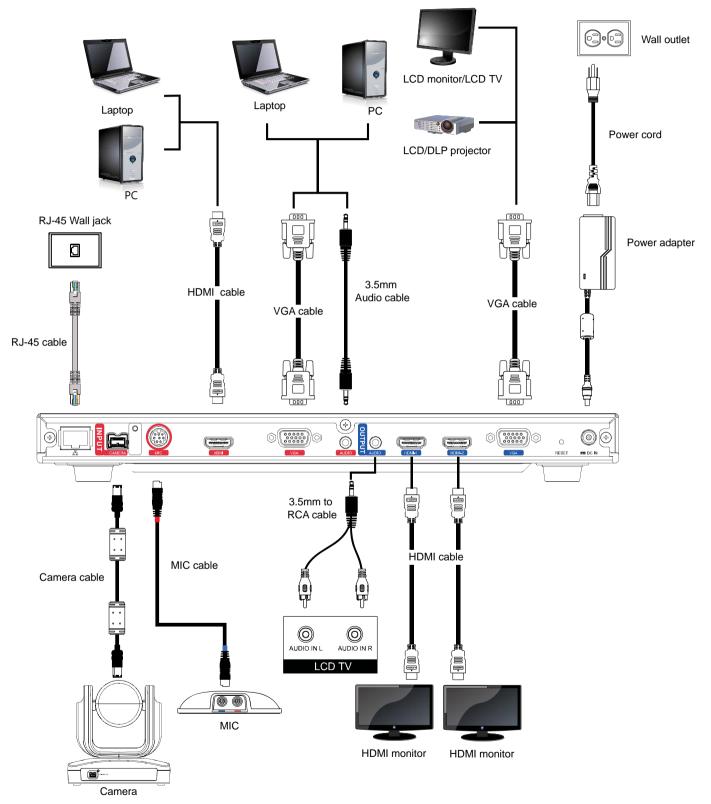
Name	Function
(1) Info	Press this button to display the call statistics information.
(2) Power	Press this button to power on/off the main system.
(3) Numeric Pad	a. Use to enter alphanumeric. Press
	$\#_{AA}$ button and hold can switch between
	numeric mode and alphanumeric mode. b. Press number button 0~ 9 to switch the number frame in main(enlarge) view while conferencing call (When Voice Activated Layout Switch is disabled).
(4) Keypad	In enter mode, press this button to display the on-screen keyboard.
(5) Phonebook	Search contacts to make a call.
	Add, edit, delete or create group contact entries.
(6) Delete	Press this button to back delete one character at a time.
(7) Call	Start a call.
(8) Home	Bring up the main screen.
(9) Hang up	End the call.
(10) Help	In Home menu and video screen mode, press it to display on-screen help information.
(11) Back	Return to previous OSD menu.
(12) Navigation Buttons (▲, ✔, ✔, ▶)	 c. Use these buttons to navigate through the selections in OSD menus or on-screen keyboard. d. Pan and tilt the camera to adjust the
	viewing.
	e. Pan, tilt the zoomed in camera image or captured image.
(13) Enter	a. Make a selection in OSD menus.
	b. Accept incoming calls.c. Display the site name and icon during
	d. Auto Focus function(PTZ camera only)
(14) Far/Near	Select to control either near site or far site camera. The cam ctrl icon will appear on the screen to indicate which site's camera you are controlling. The cam ctrl icon will disappear after press the Far/Near key 5 sec.



Name	Function
(15) Input	Switch screen display between camera screen and input source screen.
(16) Zoom +/-	Increase/decrease the camera zoom or the captured image magnifications.
(17) Vol +/-	Increase/decrease the speaker volume.
(18) Mute	Mute/Unmute the MIC. The mute icon will appear when the MIC is muted. The mute icon will become translucent after enabling 5 sec.
(19) Record	Start/Stop video recording. The video recording can only be saved to a USB flash drive. You do not need to be on a video conference to record.
(20) Presentation	Share the content that comes from either the VGA input source or the HDMI input source. The present icon will appear on the screen when the presentation function is enabled. The icon will disappear after 5 sec.
(21) Layout	Change the screen layout.
(22) AVer Point	While using EZDraw, press AVer point button can share EZDraw screen view on EVC presentation view.
(23) Preset	Press and hold for 3 sec. to set the position of the camera to a preset from 0~99. Press to move the camera to a selected preset point number.
(24) Snapshot	Capture the image from the camera(OSD menu is not included) and save to external USB pen drive.
(25) Dual	 Switch to dual screen mode. This splits the video conferencing screen and present screen onto two separate monitors (two monitors must be connected to use the feature, one through HDMI and one through VGA/HDMI-2). Press and hold can switch to OSD menu between primary and secondary screen.

Connections

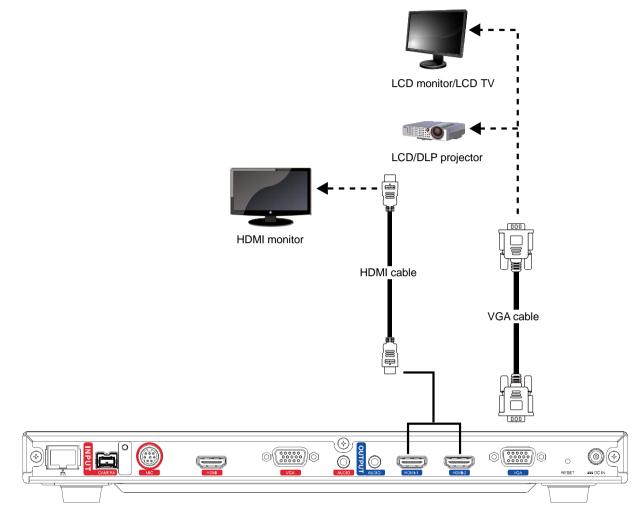
Before making the connections, make sure all devices are powered off. Refer to the illustrated connections below and also to the user manual of the device you are connecting to the EV170 system.



The sure all connections have been connected successfully before powering on the system.

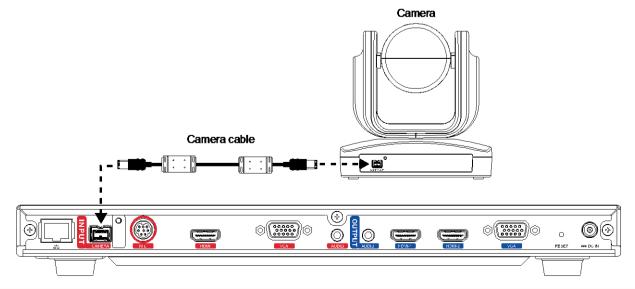
Connecting Monitors (VGA Out/HDMI Out)

Locate the VGA/HDMI input port of the graphics display device and connect it to VGA OUT/HDMI OUT port of the AVer EVC with the supplied VGA/HDMI cable. You can connect the VGA OUT and HDMI-1 OUT ports or HDMI-1 OUT and HDMI-2 ports at the same time upon a dual screen configuration. The HDMI-2 output and VGA output port displays screen scene and resolution are same.



Connecting the Camera (Camera In)

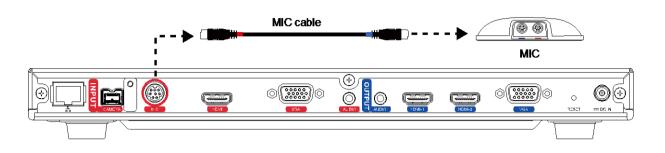
Locate the port on the back of the camera and connect it to the CAMERA IN port of the EVC with the supplied camera cable.



Connecting the MIC (MIC In)

Use the supplied MIC cable and connect the red tag connector to the MIC IN port of the EVC. Then connect the other end of the MIC cable with the blue tag to MIC OUT port.

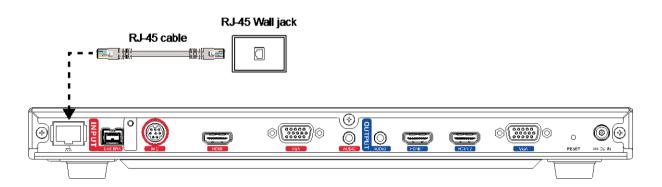
- Press the button on the top of AVer EVC-MIC to mute/un-mute the MIC.
- Please connect the cable to the port follow by the color on the cable and port, ex. red to red.



Connecting the LAN (RJ-45)

Connect the LAN port of AVer EVC to a RJ-45 wall jack or Ethernet hub with the supplied RJ-45 cable.

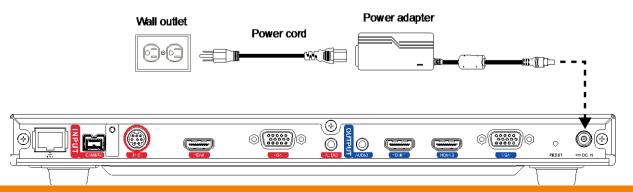
T is requires an IP-based network before beginning LAN connection.



Connecting the Power (DC 12V)

Connect the power adapter to a standard 100V~240V AC power outlet with the supplied power adapter and power cord.

- (1) To prevent shock, make sure all the connections on the main system are connected successfully before connecting the power cable and turning on the power.
 - (2) Make sure to use the supplied available power adapter.

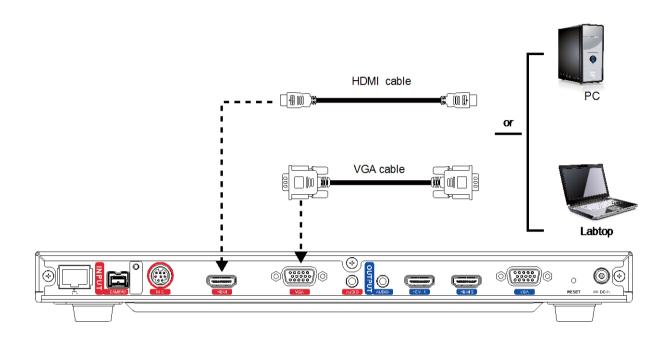


Connecting PC (VGA in/HDMI In)

Locate the VGA output port of the Laptop or Desktop and connect it to VGA IN port of EVC with the supplied VGA cable for an image display.

Use the supplied HDMI cable and connect to the HDMI port of Laptop or Desktop with HDMI cable.

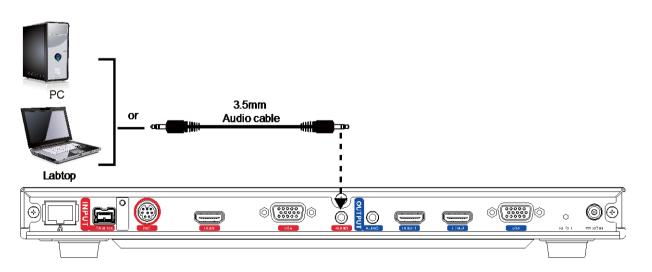
To share the video signal from the computer, press PRESENTATION and select "VGA" or "HDMI" source.



Connecting the Audio (Audio In/Out)

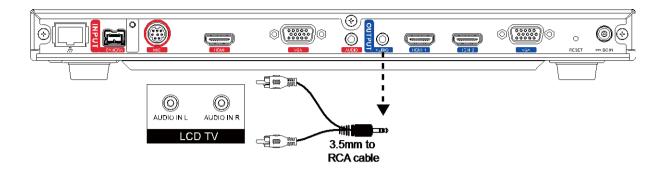
AUDIO IN:

Locate the AUDIO output port of the Laptop or Desktop and connect it to AUDIO IN port of AVer EVC with the supplied 3.5mm Audio cable.



AUDIO OUT:

Locate the AUDIO in port of the LCD TV speaker or normal speaker and connect them to AUDIO OUT port of EVC with a RCA cable.



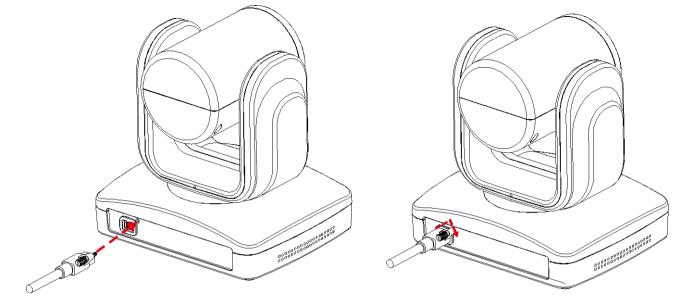
USB Storage (USB Ports)

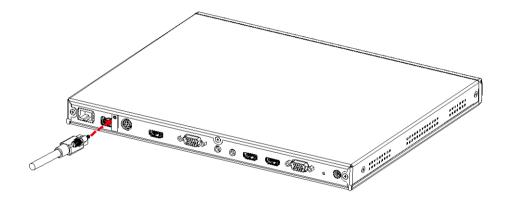
EVC main system supports two USB2.0 interface for saving data.

[Note] The USB ports only support USB pen drive for F/W upgrading and saving log file; they **DO NOT** supply 5V power for any external devices.



Secure the Cable







Camera and Microphone Introduction

This chapter explains the best way to position EVC in a conference room.

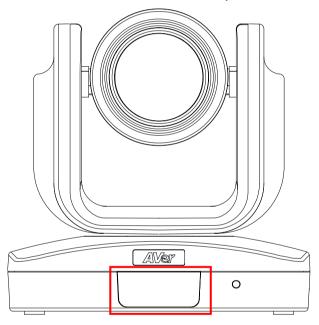
Using the Camera

EVC includes a detached camera that can pan (\emptyset +-130 deg. range), tilt (\emptyset +90/-25 deg. range) and zoom (18x total zoom with 12x Optical, 1.5x Digital zoom) by using the \square , \square , \square , \square , and zoom +/- buttons on remote controller.

Avoid physically turn camera while system is powered on to prevent permanent damaging the motors and gears and void the warranty. Always use the remote control to pan and tilt the camera head.

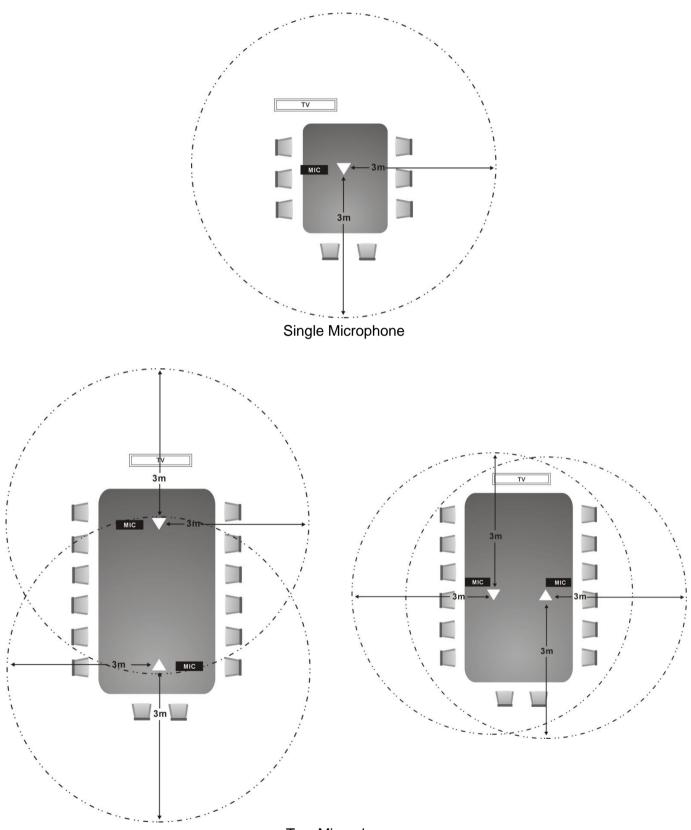
Infrared Sensor (IR)

Aim the remote controller at the camera infrared sensor to operate the unit.



Positioning the MIC

The best distance for EVC-MIC to receive audio signal is within 3m. The EVC-MIC can connect up to 4 in one chain.

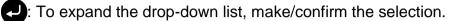


Two Microphones

AVer EVC Wizard Setup

For the first time using AVer EVC system, the Installation Wizard will guide the user to setup EVC system step by step. After completing the wizard setup, user may start to use the EVC system.

In Installation Wizard, user can use the following buttons on remote controller to move between the selections and make/confirm selection.



- \sim : Move the cursor up or down.
- >: Move the cursor to right or on **Next** button.
- : Move the cursor to left or on **Back** button.

Start

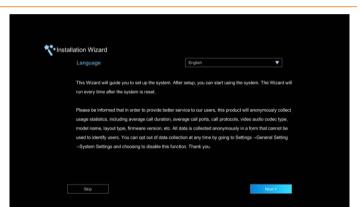
Please follow the below description to complete the wizard setup.

Connect your EVC system well and turn on the power. After your EVC system starting, user will see the Installation Wizard screen shown up.

If you want to pass the Wizard setup, press button move to **Skip** button and press

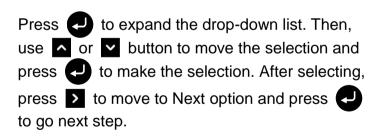
button move to Skip button and press

to go to Home page.



Language

Select the language of the EVC system.



	English	
This Wizard will guide you to	set up the system. After setup, you can start using	the system. The Wizard w
run every time after the syste	em is reset.	
Please be informed that in or	rder to provide better service to our users, this prod	luct will anonymously collec
usage statistics, including av	verage call duration, average call ports, call protocol	ls, video audio codec type,
model name, layout type, firm	mware version, etc. All data is collected anonymous	sly in a form that cannot be
used to identify users. You ca	an opt out of data collection at any time by going to	Settings →General Setting
-System Settings and choos	sing to disable this function. Thank you.	

Site Name

Assign a name for EVC system. Use the numeric pad on remote controller to enter the site name.

After entering the site name, press > to move to

Next button and press 🕗 to go next step.

To go back to last step, press < to move to Back option and press
to confirm.

[Note]

- (1) Repeat press the number button to select the character that user wants to enter.
- (2) The site name is character only

Network Setting

Select the network environment that user has used.

Use Or Use

and press to confirm the selection.

[Note] User can refer to chapter of Scenarios For LAN Connection for the description of network environment.

After selecting the network setting option, user need to configure the network parameters. Follow the below description to setup the network settings.

Site Name	AVer	
Site Walle	Ave	
+ Back		Next +

	Public IP Configuration
	(Outside of Firewal)
An 🚺 🔝 🗌	Private IP Configuration
	(Behind Firewall with Port Forwarding)
 Back 	Next •

Public IP Configuration (Outside of Firewall):

Your EVC system is connecting directly to the internet. Select the IP mode.

Obtain IP address by DHCP: Configure the system to automatically obtain an IP address from the DHCP server. The EVC system will automatically get an IP address which assigned by your DHCP server on LAN. The IP address and related information will display. Click **OK** to accept the setting.

* Installation Wizard	/ Network settings / Public IP Configuratio	n	* Installation <u>Wizar</u>	d / Network settings / Pu	blic IP Configuration	1
	ngs assigned automatically from your network DHCP server or o e manual IP settings.	ontact your	You can Iodminis	DHCP Setting Ap		
	Obtain IP address by DHCP			Your IP Address is Subnet Mask	10.100.92.84 255.255.255.0	
	Static IP address			Default Gateway	10.100.92.254	
	IPv6			Preferred DNS Server Alternate DNS Server	10.100.1.5	
					ОК	
- Back		Next +	* Bátók			

Static IP: Configure the system to use the assigned IP address. Select this when the public IP address is available.

Enter the following information and click **Apply** to save the settings. To go to next step, click **Next** and click **Back** to go back to **Network Setting** page.

- 1. Your IP Address is: Enter your IP address manually.
- 2. **Subnet Mask:** Enter the subnet mask address when the system does not automatically obtain the subnet mask
- 3. **Default Gateway:** A gateway is a network point that acts as an entrance to another network. Enter the gateway address when the system does not automatically obtain the gateway.
- 4. Preferred DNS Server: Domain Name System (DNS) servers convert human friendly names (for example: www.example.com) to IP addresses (218.77.272.166) that let machines be found on the network. The preferred DNS server is the one your computer asks first. The alternate is a backup. Enter the Preferred and Alternated DNS Server address.
- 5. Alternate DNS Server: Enter another Domain Name server for second choice.

Your IP Address is		ABC
Subnet Mask		
Default Gateway		
Preferred DNS Server		
Alternate DNS Server		
	Apply	
< Back		Next •

IPv6: IPv6 is an evolutionary upgrade to the Internet Protocol. IPv6 will coexist with the older IPv4 for some time. IPv6 addresses are 128-bit IP address written in hexadecimal and separated by colons.

Select and enter the following information and click **Apply** to save the settings. To go to next step, click **Next** option and click **Back** to go back to **Network Setting** step.

1. Obtain Address is

- (1) Static IP: Configure the system to use the assigned IP address. Select this when the public IP address is available.
- (2) Auto: Obtain the dynamic IP address automatically. User needs to enter the IP address and prefix length in following.
- 2. Your IP Address is: Enter your IP address manually.
- 3. **Prefix Length:** Prefix Length allows you to place as many IPv6 devices as the underlying network medium allows.

Private IP Configuration (behind firewall port forwarding):

Your EVC system is connecting to the internet through a firewall.

*Installation Wizard / Network settings		** •Inst	tallation Wizard / Network s		
			Port	Function	Туре
	Public IP Configuration		1719	Gatekeeper	UDP
	(Outside of Firewall)			H.323 Call Setup	TCP
			30000~30299	Singaling and control for audio, call, video, and data/FECC	TCP & UDP
			80	HTTP Interface (WebTool)	TCP
🔛 😡 🗌	Private IP Configuration		23	Telnet	TCP
	(Behind Firewall with Port Forwarding)		5060	SIP	TCP & UDP
• Back	Next +		+ filsck		Next -
	Tagint C				

Please make sure you have set the following ports in port forwarding in your firewall. Then, click Next to select the IP mode of your network

Obtain IP address by DHCP: Configure the system to automatically obtain an IP address from the DHCP server. The EVC system will automatically get a IP address which assigned by your DHCP server on LAN. The IP address and related information will display. Click **OK** to accept the setting.

DHCP Setting A	Applied	
Your IP Address is	10.100.92.84	
Subnet Mask	255.255.255.0	
Default Gateway	10.100.92.254	
Preferred DNS Server	10.100.1.5	
Alternate DNS Server	10.100.1.6	
	OK	

Obtain IP Address	Static IP	•
Your IP Address is		
Prefix Length		
	Apply	

Static IP: Configure the system to use the assigned IP address. Select this when the public IP address is available.

Enter the following information and click **Apply** to save the settings. To go to next step, click **Next** and click **Back** to go back to **Network Setting page.**

- 1. Your IP Address is: Enter your IP address manually.
- 2. **Subnet Mask:** Enter the subnet mask address when the system does not automatically obtain the subnet mask
- 3. **Default Gateway:** A gateway is a network point that acts as an entrance to another network. Enter the gateway address when the system does not automatically obtain the gateway.
- 4. Preferred DNS Server: Domain Name System (DNS) servers convert human friendly names (for example: www.example.com) to IP addresses (218.77.272.166) that let machines be found on the network. The preferred DNS server is the one your computer asks first. The alternate is a backup. Enter the Preferred and Alternated DNS Server address.
- 5. Alternate DNS Server: Enter another Domain Name server for second choice.

IPv6: IPv6 is an evolutionary upgrade to the Internet Protocol. IPv6 will coexist with the older IPv4 for some time. IPv6 addresses are 128-bit IP address written in hexadecimal and separated by colons.

Select and enter the following information and click **Apply** to save the settings. To go to next step, click **Next** option and click **Back** to go back to **Network Setting** step.

1. Obtain Address is

- (1) Static IP: Configure the system to use the assigned IP address. Select this when the public IP address is available.
- (2) Auto: Obtain the dynamic IP address automatically. User needs to enter the IP address and prefix length in following.
- 2. Your IP Address is: Enter your IP address manually.
- Prefix Length: Prefix Length allows you to place as many IPv6 devices as the underlying network medium allows.

Obtain IP Address	Static IP	▼
Your IP Address is		
Prefix Length		
	Apply	
< Back		Next +

Your IP Address is		TABC
Subnet Mask		
Default Gateway		
Preferred DNS Server		
Alternate DNS Server		
	Apply	

SIP Setting

Session Initiation Protocol (SIP) allows you around the world to communicate using your supported devices over the Internet. After setting network, user can choose to setup **SIP** or **Skip SIP** setting.

Installation Wizard / Network se			Tinstallation <u>Wizard</u>	
SIP Site Name	AVer	ABC		
Inter Protocol	IPv4	▼		
SIP Transport Protocol	UDP		Start SIP Setting?	
SIP Port	5060			
STUN Server	0.0.0.0			
STUN Port	3478			
			Skip	
• Back		Next •	< Back	

To setup SIP, enter or select the following information

- 1. **SIP Site Name:** Enter the SIP site name for others to identify. The SIP site name may be the same or different then the domain for Web activity. Use numeric pad to enter the SIP site name in column.
- Internet Protocol: Select to use IPv4 or IPv6 as IP protocol. Press → to expand drop-down list and use ▲ , ▲ to move the selection. Press → to confirm the selection.
- 3. **SIP Transport Protocol:** Select the SIP Transport Protocol type from the drop-down list for using. There are two types of Internet Protocol (IP) traffic. They are Transmission Control Protocol (TCP) and User Datagram Protocol (UDP). To ensure proper connection, verify if both calling parties are using the same transport protocol. By default, it is set to UDP.
 - (1) TCP: TCP is connection oriented. Once a connection is established, data can be sent bidirectional.
 - (2) UDP: UDP is a simpler, connectionless Internet protocol. Multiple messages are sent as packets in chunks using UDP.

SIP Site Name	AVer	ABC
Inter Protocol	IPv4	▼
SIP Transport Protocol	UDP	
SIP Port	5060	
STUN Server	0.0.0.0	
STUN Port	3478	
STUN Port	3478	

- 4. **SIP Port:** Change this value only if you use specific settings in your network system. By default, the SIP port is set to 5060.
- 5. **STUN Server:** STUN (Session Traversal Utilities for NAT) is a standardized set of methods and a network protocol to allow an end host to discover its public IP address if it is located behind NAT.
- 6. **STUN Port:** Enter the port number of STUN server.

SIP Server Registration

A typical SIP session involves a client requesting a session with a SIP server. After the request is received, the SIP server returns a response to the user indicating the availability of the session. After setting SIP, user can choose to setup **SIP Server Registration** or **Skip**.

💎 Installation Wizard / Network se	ttings / SIP Server Registration	Installation	Wizard	1
User Name	IARCI			
Authorization Name	AVer			
Password			Start SIP Server Registration?	
Registrar Server			Start SIP Server Registration?	
Proxy Server				
Account Active				
	Register		Skip	
Back	Next *	- Back		

To setup SIP Server Registration, enter the following information and click **Register** to save the settings. After completing, click **Next** to go next step.

- 1. **Terminal Name:** Enter the terminal server name.
- 2. **Terminal Password:** Enter the password of terminal server.
- 3. **Registrar Server:** Registrar Server accepts registrations from users and places these registrations, (which is essentially location information), in a database known as a location service. Enter the Registrar Server name that you want to use.
- 4. **Proxy Server:** Proxy Server is computing device (typically a server) that interfaces between data processing devices and others within a communications network. These devices may be located on the same local area network or an external network. Enter the used Proxy Server name.

* Installation Wizard / Netw	ork settings / SIP Server Registrati	on
User Name		IABC
Authorization Name	AVer	
Password		
Registrar Server		
Proxy Server		
Account Active		
	Register	
< Back		Next •

Date and Time Setting

Setup the EVC system date and time. User can choose to use NTP server to adjust the date/time or manually enter the current date/time.

Network Time Protocol (NTP)

Network Time Protocol (NTP) is a protocol that is used to synchronize system clock times in a network of device.

- 1. **NTP Server:** The Network Time Protocol (NTP) allows administrators to synchronize all network computers to a main server. This keeps all network machine clocks on the same time. Enter the NTP Server name that you want to follow.
- Time Zone: Timezone allows you to adjust the time when you are in a different country or area so that you can keep the same time with your original area. Most of the time zones on land are offset from Coordinated Universal Time (UTC) by a whole number of hours (UTC-12 to UTC+14)

Installation Wizard / Date and	Time Settings / NTP	
NTP Server	pool.ntp.org	[ABC]
Timezone	UTC+0:00	•
Back		Finish •

Manually Setting

💎 Installation Wizar	d / Date and Time Settings	💙 Installation Wizard / Date and	Time Settings / Manually Setting	
[Network Time Protocol(NTP)	Year	2013	
	Manually Setting	Month		
		Day		
		Hour		
		Minute		
 Back 		< Back		Finish +

After completing date/time setup, click **Finish** to complete the Installation Wizard setup. Before that, user can back to previous page or go to home menu. How to dial a call; refer to chapter of *Making a Call*.

	Successfully installe	d	
Back		Go to home Menu	

Enter the present year, month, date, hour, minute, and second by yourself

AVer EVC OPERATION

Connecting the camera, microphone, main system, display and power, press the power button to turn on EVC. Power button starts blinking blue light, AVer logo shows up followed by an animation and music. In 30 seconds camera image and home screen appear on screen. Aim the remote controller to camera and start configuring AVer EVC.

Before You Begin

Basic Operation

Navigation buttons: Use the $[\begin{subarray}{c},\begin{subarray}{c} \end{subarray},\begin{subarray}{c} \end{subarray} \end{subarray}$ and $[\begin{subarray}{c} \end{subarray}$ buttons to move the selection on the remote controller.

Enter button: Use the **J** to confirm the selection on the remote controller.

Apply: Make the changed value to take effect. (For EVC Application)

Save: Accept the created value and save it to the system.

Cancel: Cancel the changed value and exit the present screen.

Home Screen

There are 2 selections divided on the Home screen: **Call** and **Setting**. Simply use the navigation buttons to move between selections and press to confirm the selection. You can easily place a call and select the site contact either in **Dial**, **Phonebook** or **Call History**. You can easily setup up the system in **General Setting**, **Video/Audio**, and **Network**. The administrator can set a security password to prevent changes made to the system setting and WebTool access.

Configuration Icons



Call include Dial, Phonebook and Call History



Setting include General Setting, Video/Audio and Network.

Menu function is divided into 2 parts – **Call** and **Setting**. Call function is included **Dial**, **Phonebook** and **Call History**.

Setting function is included General Setting, Video/Audio, and Network.

Camera and MIC Icons

On the upper left-hand corner of your home screen, you may see camera and MIC indications.

When camera is removed, "Camera Disconnected" warning message is displayed and screen is blue.

When (a) is displayed on that screen, it means far site remote can be operated by remote controller.

is displayed indicating microphone is mute. Try pressing the mute button on microphone or remote controller to unmute it (LED indicator on microphone turns blue).



WAN Address

On the lower left corner of your home screen, you can find current WAN IP address.



Real-Time Clock

On the lower right corner of your home screen, you can find the current Date and Time once system sets up properly.



System Info

Press (Info) button to switch to system information page.

The System Info shows you the relative information about your EVC main system including Site Name, Model name, Maximum Allowable Sites, IP Address, MAC Address and System Version.

Connection Status Info: it shows the call status while call is connected.

- 1. Make a call.
- 2. When call is connected, press () (Info) button.
- 3. Select the call and you should see the current call status.



Presentation: it shows the status while in presentation mode.



Dial

Dial selection allows you to enter dial screen and make a call.. Press **I** button on the remote controller has the same effect.



Call to

Use the number keys on the remote controller to enter the IP address or number or SIP URI (sip:username:password@host) you want to call. AVer remote controller supports alpha-numeric operation, press numeric key multiple times to select the alphabet or symbol.

[Note] Press # button and hold can switch

between numeric mode(123) and alphanumeric mode(ABC/123).



Call Type

AVer EVC supports H.323, SIP, SIP Only Voice calls. H.323 is commonly used to communication to other videoconferencing room systems. SIP is commonly used to communicate with other VoIP devices. SIP Only Voice is used when other conference site could not recognize EVC video code, only transfer voice. Use the voice button to select which type of call type you want to make then press 🕗 to confirm.

[Note] H.323 and SIP call type can be existed in a same conference call meeting.

Call ► Dial		
Call Type Call Caustry	H 323	▼ H.323 SiP
Dial Home		SIP Only Voice
Call History		

Call Quality

For the **Call Quality** selection, enter the desired call quality (or network bandwidth) from the drop-down list (default or 64K up to 4M bit per second).

Latito Cell Type Cell Type Cell Quality Default Home. H 323 Peteuth Peteuth Cell Quality Default 100 ktops 200 ktops 304 ktops	Call Type Call Quality Dial Home Call Chainy Default 64 kbps 196 kbps 196 kbps	🕐 Call ► Dial	Call to		
04 kbps 012 kbp 192 kbp 192 kbp 192 kbp 295 kbp	04 kbps 012 kbp 192 kbp 192 kbp 192 kbp 295 kbp		Call Type		
Home 256 kbps	Home 256 kbps	Diel		64 kbps 128 kbps	
				256 kbps	
Call History					

screen then press **I** to make a call.

Select the "Call" on the Dial configuration

Make sure the network jack is plugged in and
network is working properly before making a call;
otherwise, the "Network Jack Unplugged"
information will appear. Click "OK" to reconfirm
the network connection.

🕐 Call ► Dial		
		H.323
		Default
		Cal
Dial Home		
	Call History	

		V
		T
LAN Cable Unplugged		
	ОК	

Hang up the call

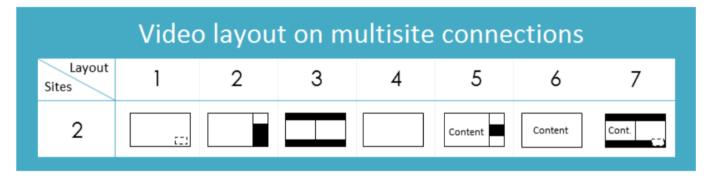
- When in multi-point call conference, press button(Hang up) on remote control and a call-point list screen is pop-up.
- Use the ▲ and ▼ buttons to select which you want to disconnect and press . To end the meeting, select Disconnect All.
- 3. You will notice the site names in the meeting are color coded. If you are not sure of which name you want to disconnect, refer to the color of the frame.
- 4. In multiple call conference, you can choose to hang out which call.



Video Layout

Video layout on multisite connections is shown as following figure.

When only 2 points connection with content sharing, user can have 7th layout to choose which screen layout shows content sharing and far sit view only.



Phonebook

Phonebook allows you to create and edit contact information, group contacts by category, search contacts then make a call. The group and contact (site) name in the directory will be sorted in alphabetical order. You may use the WebTool to edit or import the phonebook entries too.



Group

Select Phonebook and press **2**.

Select Group and press 🥥

If you have lots of contacts, it is better to categorize them to groups such as client, vendor, company, branch, etc. to make the lookup easier.

				Group		
Sontanta List	Non-Group					
Online Phonebook	\					
Group	1					
invorite	1					
	New Grou	p 😑 Search	Page Up	Page Down	Search	

Create a New Group

In the **Group** configuration screen, Press "**Red**" button on the remote controller to pop up the group dialogue box.

- Input Group Name: Enter a name for the group.
- Input Mailto: Enter an email address for receiving files upload notice.
- Input Google Account: Enter a google account to receive file upload notice from the mail account that you have setup in "Input Mailto".
- Input Google Password: Enter the google account's password the you have setup in "Input Google Account".

After enter all information, select **"Save"** to save the new group. Or select **"Cancel"** to exit the dialogue box.

The new group name will be saved and displayed in the group list.

	Group		
Contacts List Unions Phonebook Group			
iavortile rd-Party Cloud Meetings Macklist Management forme			
	New Group O Search O Page Up O Page [Down Search	
Call > Phonebook	Οτουρ		
Contracts Last	Input Group Name		
	Input Group Name		
Sontacts Unit Intend Phometocols, Strap: ere Ster aconte aconte	Input Group Name Input Mailto Input Google Account		
ontacts Uni Indiné Promotocok Incop: Leur Dite Incorte	Input Group Name Input Malito Input Google Account Input Google Password		

	Group	
	BLUEJEANS	
Contacts List	ZOOM	
Online Phonebook	test	
Group	Non-Group	
	🛑 New Group 🗢 Search 👴 Page Up 🌘 Page Down	Search

Search a Created Group

Press **"Yellow"** button on the remote controller and enter the group name that you want to search.

Contacts List	BLUEJEAN	
Sentente Lint		
College the state	Test	
Dnline Phonebook	Zoom	
Group	Non-Group	
lew Site		
avorite		

If the name you enter has not been created, the system will show you "**No Group Available**", please search again.

If the Group data are over one page, you can also press **"Green"** button or **"Blue"** button to Page Up or Page Down.

	No Group #	vailable	Group	
ontacts List				
nline Phonebook				
iroup	1			

	Group	
	BLUEJEANS	
ontacts List	ZOOM	
nline Phonebook	test	
Group	Non-Group	
	New Group O Search Page Up O Page Down	Search

Edit Group

Select Phonebook | Group and press

Select the name you want to modify in the group list.

Select "Edit Group" and press

Modify the information and select "**Save**" to save the revised information.

Auto Upload: Enable/disable uploading the record and snapshot files to google drive automatically. When a red "**X**" is displayed, it means upload function is not setup yet. Please go to EVC system's web page to setup upload function(also see Web Configuration).

[Note] 1. Recording and snapshot files upload only available for group call.

2. Uploading will be active at 1 hour later after conferencing call finished and there in no other conferencing call or operation on EVC system in a 1 hour.

If you have revised group name, then, the new group name will be displayed in the group list.

	BLUEJEANS	Group	
Contacts List	ZOOM		Course Coll Edit Group
Online Phonebook Group	test Non-Group		Delete Group
New site			
	New Group Search Parente	ge Up 🔹 Page Down Si	sarch
	New Group Search O Pag	ge Up 💗 Page Down	sarcn
I Call ► Phoneb	ook		
Call ► Phoneb	ook		
Call > Phoneb	00k	BLUEJEANS	
Contros Lay		Decen BLUEJEANS	
	Input Group Name	BUEJEANS	
Contacts Last	Input Group Name	Duce Jeans	
Contents Last Online Phonebook	Input Group Name Input Mailto Input Google Account	December BLUE/EANS	
Contacts List Ortine Phonebook Group New Site Execute	Input Group Name Input Mailto Input Google Account		
Conflicts Last Ordine Phonebook Group New Site Faconte Sird Party Cloud Meetings	Input Group Name Input Mailto Input Google Account Input Google Password	Contacts List	
Conferes Las: Oreine Prometoox. Group: News Site Favorate Bard Party Olicud Meestings. Bard Party Olicud Meestings.	Input Group Name Input Mailto Input Google Account Input Google Password	Contacts List	
Conflicts Last Ordine Phonebook Group New Site Faconte Sird Party Cloud Meetings	Input Group Name Input Mailto Input Google Account Input Google Password	Contacts List Save	

Call > Phoneb	ook		
		Group	
Contacts List	Aver		
Online Phonebook	Zoom		
Group	Non-Group		
	🗧 New Group 🌢 Search 📢	🕨 Page Up 🔹 Page Down	Search

If the revised name is the same as the saved name, the revised name will be ignored.

Add Contact from Group List

Select Phonebook | Group and press 2.

Select "Edit Group" and press

Select the Group name you want to add to Contacts List.

Confirm the Group Name what you want to add to the contacts list and then select "Contacts List".

In the Group Site list, select the item that you want to add to the contracts list and then press "**Red**" button on the remote controller to save the selection.

_		Group	
	Aver	Group	
Contacta List	Test		
Online Phonebook	Zoom Non-Group		
	🗧 New Group 📿 Search 🛛 Page I	Up 🌒 Page Down 🛛 Sea	arch
Call > Phoneboc	k		
_			
	Aver	Group	
Contacts List	Test		Edit Group
Daline Phonebook	Zoom Non-Group		
Group			
lew Site			
lew Site Fevorite			
evonite Ind-Party Cloud Meetings			
Favorite			
avorite krd-Party Cloud Meetings Nacklist Management			
avorite krd-Party Cloud Meetings Nacklist Management	• New Group • Search • Page I	Up 🌢 Page Down Sei	arch

		Aver	
Contricts List		bc@mail.com	
	Input Google Account.		
		Contacts List	
		X	
		Save	
		Cancel	

	Site	
🖌 AVer Demo Site		
Save		

Select **"Save"** to save the Group name and added site to the contacts list.

		Aver	
		bc@mail.com	
tineEnonebook			
	Input Google Password		
		Contacts List	
		X	
		Save	
		Cancel	

The selected Group name and added site will be added into the contacts list.

			Group-Site	
	Aver- AV	er Demo Site		
Contacts List				
nine Phonebook	\			
	1			
	1			

Delete Group

Select Phonebook | Group and press

Select the name you want to remove in the group list.

Select "Delete Group" and press <

Select **"Yes"** to remove the selected group name and **"No"** to cancel group name deletion.

The selected group name will disappear in the group list when deleted.

	Group	
	BLUEJEANS	
ontacts List	ZOOM	Group Call
nline Phonebook	test	Delete Group
iroup	Non-Group	
ew site		

	Once Delete this Group?	
Stanform, Stanfo	Yes	

Group Call

Select Phonebook | Group and press

Select the name you want to select in the group list.

Select "Group Call" and press

EVC system will star to call the site point in selected group. To stop calling, select **Cancel**.

	Group	
	BLUEJEANS	Group Call
Iontacts List	test	
Unline Phonebook Group	Non-Group	Delete Group
lew Site		
	New Group O Search Page Up Page Down	Search



New Site (Contact in Phonebook)

New Site allows you to create and edit the information to each site.

Add New Site

Select Phonebook | New Site and press .

Select the **Group** name, if you don't want to add the entry into a group, please select **"Non-Group"** item.

Select **Site Name** box. Enter the site name with the remote controller and press

	Site Name		AB
ns List Phonebook	H.323		
	SIP		
ite	Call Quality	64 kbps	▼
	1		

I Call ► Phonebook

Enter the used call type information either H.323 or SIP.

I Call ► Phoneboo	þk		
	Group Site Name	Aver	T
Contacts List	H.323		ABC
Online Phonebook Group	SIP		
New Site	Call Quality	64 Kbps	
Favorite			

Select the desired call quality value in the drop-down list.

rdards List H 1323	
H 323	
SIP SIP	
w Site 64 kbps	•
64 kbps	
Party Cloud Meetings 256 kbps	
cklist Management 512 kbps	

Select "Save" to store the newly added site contact.

I Call ► Phoneb	ook		
		Aver	V
Contacts List		HQ	
	H.323		
	SIP		
	Call Quality	128 kbps	•
New Site		Save	

Edit New Site

Select Phonebook | Contacts List and press

Select the contact you want to modify and press

Select "Edit Site" and press 🕗.

In	the	Edit	Site	SC	reen,	you	ma	y ch	ange	the
Gr	oup	nam	e, Si	te l	Name	, ́Н.З	323.	SIP	and	Call
Qι	ality									

After making the changes, select "Save" to apply the new changes or "Cancel" to reserve the original settings.

The saved changes will be shown in the Group Site list.

I Call ► Phoneboo	k	
	Group-Site	
	Aver- AVer Demo Site	
Contacts List	Aver- HQ	
Online Phonebook		Edit Site
Group		
New Site		
Favorite		
3rd-Party Cloud Meetings		
Blacklist Management		
Home		
	 Search Page Up Page Down 	Search

	Test	
	НО	
	128 kbps	T
	Save	
	Canola	

	Group-Site	
Contacts List	Aver, AVer, Demo Site Test: HQ	
Online Phonebook		
3roup		
New Site		

Delete New Site

Select Phonebook | Contacts List and press

Select the contact you want to delete and press

Select "Delete Site" and press .

Select "**Yes**" to remove the selected contact and "**No**" to cancel contact deletion.

The selected contact will disappear in the Group-Site list when deleted.

	Group-Sit	e
	Aver- AVer Demo Site	
Contacts List	Test- HQ	
onine Phonebook		Delete Site
	N	
	Search ● Page Up ● Page Down	Search

	Delete this Site?	
Received the second s	Yes	

	Aver- A	/er Demo Site	Group-Site	
Contacts List				
nline Phonebook				
	1			
	1			

Contacts List

Contacts List shows you all of the contacts that you have created and saved. You can select the contact from the **Contacts List** directly for modifying or deleting. In the Contacts List configuration screen, you can also use the "**Yellow**" button on the remote controller to search the contact that you want. If the Group-Site over one page, you can also press "**Green**" button or "**Blue**" button to Page Up or Page Down.

		Group-Site	
	Aver- AVer Demo Site		
ntacts List			
	N I I I I I I I I I I I I I I I I I I I		

Favorite

AVer EVC allows you save up to 10 most used contacts in the favorite list.

Select Phonebook | Favorite and press

Select which line (0~9) do you want to save the favorite contact and press \square .

Call > Phoneboo	k		
	0		
		1	
Contacts List	2		
Online Phonebook	3		
Group			
New Site	4		
Favorite	5		
3rd-Party Cloud Meetings	6.		
Blacklist Management	7.		
Home	8.		

Select the contact from the pop-up **Group Site** list and press "**Red**" button on the remote controller to save the selection.

	Site	
AVer Demo Site		
Save		

The item selected will be added into favorite list.

You can make the calls from the favorite list #(0~9) which you have set the favorite list, to press and hold the button #(0~9) via remote controller in Home menu screen.

I Call ► Phoneboo	рк	
	0. AVer Demo Site	
Contacts List	2	
Online Phonebook	3	
Group	4	
New Site		
Favorite	5	
3rd-Party Cloud Meetings	6	
Blacklist Management	7	
Home	8.	
	9.	

Online Phonebook

View the phonebooks are downloaded from LDAP server.

	User Name	Site	
	No online phonebook		
Contacts List	\		
Group	1		

3rd-Party Cloud Meetings

Aver EVC allows you set H.323 3rd-party cloud call.

Select Phonebook | 3rd-Party Cloud Meetings and press

	Cloud Meeting Name	
	Cloud Meeting Server	
	Enable Cloud Meeting 2	
	Cloud Meeting Name	
	Cloud Meeting Server	
3rd-Party Cloud Meet	ing: Enable Cloud Meeting 3	
Blacklist Management	Cloud Meeting Name	

Cloud Meeting Name: Enter the name of the cloud meeting. User can choose your own.

Cloud Meeting Server: Enter the 3rd-Party VC server's IP address.



Enable Cloud Meeting 1: Mark to enable cloud meeting to display at Call type. When make a call, user can select cloud meeting from the call type list.

	Enable Cloud Meeting 1	
\	Cloud Meeting Name	Zoom111
iontacts List	Cloud Meeting Server	162.255.37.11
	Enable Cloud Meeting 2	
	Cloud Meeting Name	
rd-Party Cloud Meetings		

When make a call, enter the "**Meeting ID**" of 3rd-party cloud meeting at "**Call to**" column.

Then, select 3rd-party cloud meeting from the call type list.

[Note] If meeting ID is in-correct, the EVC system will pending on 3rd-party cloud meeting service interface page.

Call ► Dial	Call to		
		H.323	_
		SIP	SIP Only Voice com111
Dial Home			
	Call History		

Blacklist Managment

AVer EVC allows you save blacklist in phonebook.

Select Phonebook | Blacklist Managment and press

Press "" button on the remote controller to add a blacklist.

Enter the IP address or domain name and select "Save"

Call > Phonebook

Backlet

<t

Input Blacklist	
Canad	
Califier	
	Input Blackist

The added blacklist will be list.

	2		Blacklist	
	10.100.91.200			
Contacts List Online Phonebook				
Group				
New Site				
Blacklist Management 🖊				

Also, user can add the blacklist from call history list.

Select **Call History**. Then select the call and select "**Add to Black List**".

	Site	Date	Time	Duration	Call
	10.100.93.43	2019/03/15	17:59	0:00	e
	H 10.100.93.58	2019/03/15	17:59	Ca	4
	1			Add to B	
Il History					

To edit blacklist, select blacklist and select "Edit".

To delete blacklist, select blacklist and select "Delete".

I Call ► Phonebo	ok	
	Blacklist	
	10.100.91.200	
Contacts List		Edit Blacklist Delete Blacklist
Online Phonebook		Delete Didukist
Group		
Blacklist Management		
	New Blacklist Search Page Up Page Down	Search

Call History

The Call History allows you to check the incoming/outgoing calls made and their status. You can also make a call by selecting it in the Call History list.



Call Status

Select Call History and press .

The Call History will show you the IP address or the Site name with call type, Call Date/Time, Duration, and Call status. Refer to the table below to check the call status.

Call Status	Answered	Failed
IN	Ľ	V
OUT	2	v

Make a Call From the Call History

Select Call History and press 2.

Use the **A** and **V** buttons to move the selection and scroll up and down in the call history list.

Press and select "Call" to make a call. Or press button on the remote controller to make a call.

The call will be connected.

Call ► Call Histo	ıry				
	Site	Date	Time	Duration	Call
	H 10.100.93.43	2019/03/15	17:59	0:00	
	it 10.100.93.58	2019/03/15		0:00	
◎ Call History					
Home ;					
	Page Up Page Down				

	Site	Date	Time	Duration Call
	Reg 10.100.93.43	2019/03/15	17:59	0.00
	Hand 10.100.93.58	2019/03/15	17:59	Call
\			-	Add to Black List
<u> </u>				
History				
ne:/				
	Page Up Page Down			

10.100.93.43	
Call History 512 kbps	
Careel	

Make a Contact from the Call History

You can also save the call in/out information into your contacts list.

Select Call History and press .

Use the **A** and **V** buttons to move the selection and scroll up and down in the call history list.

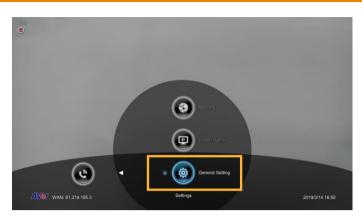
Press and select "**Save**" to pop-up contact editing form. All relative information has filled in the contact form already based on the selected call entry from the Call History.

Confirm the **Group** selection then select **"Save"** to save the call entry into your contact.

	Site	Date	Time	Duration	Call
	Pt.m 10.100.93.43	2019/03/15	17:59	0:00	e
	Rum 10.100.93.58	2019/03/15	17:59	Ca Sav Add to Bla	e
Call History Home					
	 Page Up Page Down 				
	🖲 Page Up 🔹 Page Down				
Call ► Call H					
s Call ► Call H		Dieto Aver	Tent	Duration	
► Call ► Call H	listory	Pasis Aver	Timé	-Ourstee	Cell 5
s Call ► Call H	listory Group	Aver 10.100.93.4	Timé	Psiratos	
ter Call ► Call H	listory Group Site Name		Timid	Duadon V	

General Setting

The General Setting allows you to modify system setting, authority of administrator, monitor setting, and adjust date and time.



Call Settings

Call Setting set the system to enable/disable auto answer, set the default call quality, and enable/disable Advanced Encryption Standard which ciphers the data to protect against unauthorized data access.

Auto Answer

Select General Setting | Call Settings and press

Select Auto Answer and press . In the Auto Answer drop-down list, select "OFF" to turn off Auto Answer. "ON" to answer the call automatically and "First Call Only" to automatically answer the first call and answer or reject other incoming calls manually. "First ON with MIC Mute" will automatically answer the first coming call but local site is in mute status; the caller site couldn't hear any sound from local site. "Do Not Disturb" will not answer any coming call.

If you are already in a conference, even if the Auto Answer is turned on, you also need to accept the next call manually.

	Auto Answer Default Call Quality	OFF	
all Settings ystem Settings	Enable AES	O) First Ca	li Only
	Enable QoS	First ON with	n Mic Mute
	Show Call Duration	Z	
	Max. Transmitting Bandwidth	12 M	*
		12 M	_

Default Call Quality

EVC main system supports 64K,128k, 256k, 384k, 512k, 768k, 1024k, 1152k, 1472k, 1536k, 1920k, 2048k , 3072k, 4096k selection for default call quality. By default, it is set to 512k.

	Auto Answer	ON	•
all Settings	Default Call Quality	512 k	
ystem Settings	Enable AES	120	
	Enable GoS	38	
	Show Call Duration	76	
	Max. Transmitting Bandwidth	115 12 M	2 k
		12 M	

Enable/Disable AES

Advanced Encryption Standard (AES) encrypts the data that is being transmitted during a video conferencing to provide protection against unauthorized data access. Encrypted data can only be read with the device that also supports the AES standard. All parties on the call must support AES to use this feature, or else the data will not be encrypted.

Select **General Setting** | **Call Settings** and press 2. Select the **Enable AES** check box to active this function.



This function may be restricted and unavailable in some countries.

Enable/Disable QoS

Quality of Service (QoS) provides different priority data flows to guarantee a certain level of performance in video conferencing data flow. To activate QoS, select **General Setting** | **Call Settings** and press . Select the **Enable QoS** check box to active this function. By default, this function is disabled.

System Settings		512 k	•
	LET BUILD MAD		
dministrator	Enable QoS		
Aonitor	Show Call Duration	~	
Date and Time		12 M	•
		12 M	•

Show Call Duration

Enable/disable the call duration showing, by default, this function is enabled.

		ON	•
all Settings	Default Call Quality	512 k	•
ystem seturga	Enable AES		
	Enable GoS		
	Show Call Duration		
	Max. Transmitting Bandwidth	12 M	•
		12 M	

Max. Transmitting/Receiving Bandwidth

This function allows you to specify the maximum bandwidth of the outbound and inbound calls. AVer EVC system supports up to 36M.

		ON	•
Call Settings	Default Cell Quality	512 k	
system Settings	Enable AES		
	Enable GoS		
	Show Call Duration	<u></u>	
	Max. Transmitting Bandwidth	12 M	•
	Max. Receiving Bandwidth	2 M 4 M	
		8 M 12 N	
		16 N	
		24 N 32 N	

System Settings

System Settings allows you to enter or change your system's site name which will appear on the screen during the call session for the other party to identify you, set Language, the time for Auto Power off and enable/disable Keypad Tone function for your main system.

Site Name

Select General Setting | System Settings and press . The site name is represented as name of this EVC system. Enter the site name as you wanted.

	Site Name	AVer	123
Call Settings	Meeting ID	936834856	
System Settings	Language	English 🗸	
dministrator	Auto Power-off Mode	2 Hours	
	Connect to AVer Register Server (ARS)		
	Keypad Tone	~	
		Hope you have the best video conferencing e:	Ĩ
	Help to improve this video conferencing sy		

Language

Select General Setting | System Settings and press .

EVC main system supports up to 23 languages for your selection. Select the language from the drop-down list directly and the language for the system will turn into the selected language automatically.

		AVer
/l Settings	Meeting ID	936834856
stem Settings	Language	English 🗸
ministrator	Auto Power-off Mode	Dansk
	Connect to AVer Register Server (ARS)	Deutsch English
	Keypad Tone	Español Français
	Enable FEC (Forward Error Correction)	Italiano
	Broadcasting Message	Hope you have the best video conferencing e:

Auto Power Off Mode

Auto Power Off Mode allows you to set the time to power off your system automatically after idling.

Select General Setting | System Settings and press

Select the time from the **Auto Power Off Mode** drop-down list (OFF/30Minutes/1Hour/2Hours/ 3Hours/4Hours). Disable this function, please select "**OFF**". The function will completely turn off the system once you have set the auto power off time. To turn on the system you need to press the Power button on the EVC main unit again.

		AVer
Call Settings	Meeting ID	936834856
System Settings	Language	English
dministrator	Auto Power-off Mode	2 Hours 🔻
	Connect to AVer Register Server (ARS)	30 Minutes
	Keypad Tone	1 Hour 2 Hours
		3 Hours 4 Hours
		Hope you have the best video contentionality of
	Help to Improve this yideo conferencing s	

Connect to AVer Register Server

Select General Setting | System Settings and press .

The default is enabled.

Enable to create meeting ID. When Connect to AVer Register Server is disabled, the meeting ID cannot be created and the meeting invitation from outlook EZMeetup will be failure.

[Note] A internet access is required.

		AVer	
Call Settings	Meeting ID	936834856	
System Settings	Language	English	▼
dministrator	Auto Power-off Mode	2 Hours	
	Connect to AVer Register Server (A	RS) 🗹	
	/Keypad Tone	~	
		Hope you have the best vio	leo conferencing e:

Keypad Tone

Keypad Tone allows you to enable/disable tone sounds when you are dialing a number using the remote controller.

Select General Setting | System Settings and press

Select the Keypad Tone check box to enable the tone sounds. By default, this function is enabled.

		AVer
I Settings		936834856
stem Settings		English 🔻
ministrator	Auto Power-off Mode	2 Hours
	Connect to AVer Register Server (ARS)	~
	Keypad Tone	
	Enable FEC (Forward Error Correction)	
		Hope you have the best video conferencing e:
		Hope you have the best video conferencin

Enable FEC(Forward Error Correction)

Select General Setting | System Settings and press

Enable/disable FEC(Forward Error Correction) function.

		AVer
Call Settings	Meeting ID	936834856
System Settings	Language	English
Administrator	Auto Power-off Mode	2 Hours
	Connect to AVer Register Server (ARS)	2
	Keypad Tone	~
	Enable FEC (Forward Error Correction)
	Broadcasting Message	Hope you have the best video conferencing e
	Help to improve this video conferencing system	

Broadcasting Message

Select General Setting | System Settings and press .

Enter the broadcasting message as user wants.

		AVer
Call Settings	Meeting ID	936834856
System Settings	Language	English
Administrator	Auto Power-off Mode	2 Hours
	Connect to AVer Register Server (ARS)	∠
	Keypad Tone	⊻
	Enable FEC (Forward Error Correction)	
	Broadcasting Message	have the best video conferencing experience.

Help to improve this conferencing system

Select General Setting | System Settings and press .

Enable/disable to sending anonymous usage statistics to AVer help to improve the EVC system.

		AVer
Call Settinos	Meeting ID	936834856
System Settings	Language	English 🔻
Administrator	Auto Power-off Mode	2 Hours
	Connect to AVer Register Server (ARS)	
	Keypad Tone	~
		Hope you have the best video conferencing e:
	Help to improve this video con usage statistics.	ferencing system by sending anonymous

Administrator

Enable Web Admin

Select General Setting | Administrator and press

Here allows you to enable administrator authority of Web Tool. When you access to Web Tool, a password is required. The default password is "1234".

	Enable Web Admin.	
ettings	Enable Admin.	
n Settings	EZDraw	Change EZDraw Password
istrator	Enable VCLink/ScreenShare	
ţ.	Save System Log to USB	
	Firmware Update Notice	~
		~

Enable Admin

Select General Setting | Administrator and press

Here allows you to enable authority of system administrator. When you want to setup system, a password is required. The default password is "1234".

	Enable Web Admin	<u> </u>
all Settings	Enable Admin.	
ystem Settings	/	Change Admin. Password
dministrator	EZDraw	Change EZDraw Password
tonitor	Enable VCLink/ScreenShare	
	Save System Log to USB	
		~
		✓

Change Admin. Password

Select General Setting | Administrator and press

Here allows you to change password of system administrator.

	al Setting Password Confirmed	
Casil Succession Register Casilinetta Administratori Mannas	New Password	
	Confirm Password	
i Bortain Laoodd 1 Anno	Cancel OK	



Change EZDraw Password

Select General Setting | Administrator and press

Here allows you to change password of EZDraw.

EZDraw password is used when user use EZDraw on tablet to connect to EVC system. EVC system support up to 10 users to connect to EVC system by EZDraw.

The default password is "1234"

el Settings Endel Admin. Charge Admin. Nesword Infinistrator EZDraw Charge EZDraw Charge EZDraw	
ministrator EZDraw Change EZDraw Password	_
nitor Ensble VCLInk/SoreenShare	
te and Time Save System Log to USB Save	
set System Firmware Update Notice 🗹	
ense Far End Camera Control 🗹	

Enable VCLine/ScreenShare

Select General Setting | Administrator and press

Here allows you to enable function of VCLink and ScreenShare.

I Settings		
(sector dis		
tem Settings	EZDraw	Change EZDraw Password
ninistrator	Enable VCLink/ScreenShare	
nitor	Save System Log to USB	Save
e and Time		×

Change VCLine/ScreenShare Password

Select General Setting | Administrator and press

Here allows you to change password of VCLink and ScreenShare. The default password is "1234"

# Settings	Enable Admin.	
stem Settings	EZDraw	Change EZDraw Password
Iministrator	Enable VCLink/ScreenShare	
pnitor	1	Change VCLink/ScreenShare Password
	Save System Log to USB	Save
		~
		~

Save System Log

If you encounter unknown issues and are unsure of how to troubleshoot the unit, sending us the saved system log data to help us solve your problem faster.

Insert a USB Flash drive into the USB Port(on front panel)) of the EVC main system.



Select **"Save"** located next to **"Save System** Log" to save the system log into your USB Flash drive.

After the file is saved, select "**OK**". Remove the USB Flash drive and insert it into your computer's USB port. Located the file message.tar.gz and send it to the technical support team.

il Settings	Enable Admin	
	EZDraw	Change EZDraw Password
Iministrator	Enable VCLink/StreenShare	
nitar	Save System Log to USB	Save
	Firmware Update Notice	
		~

🔥 message.tar.gz

Firmware Update Notice

Select this function check box to enable firmware updated notice function. By default, this function is enabled.

I Settings	Enable Admin.	
ystem Settings	EZDraw	Change EZDraw Password
dministrator	Enable VGLink/ScreenShare	
Ionitor	Save System Log to USB	Save
	Firmware Update Notice	
	Far End Camera Control	~

Far End Camera Control

Select the "**Far End Camera Control**" check box to enable the far site to control your camera. By default, this function is enabled.

Call Settings	Enable Admin.	
System Settings	EZDraw	Change EZDraw Password
Administrator	Enable VCLink/ScreenShare	
Monitor	Save System Log to USB	
	Firmware Update Notice	~
	Far End Camera Control	
	Wake-on-LAN (WOL)	

Wake-On-LAN (WOL)

Wake-on-LAN is an Ethernet computer networking standard that allows your computer to be turned on or awakened by a network message. By default, this function is disabled.

settings ► C	General Setting	
all Settings	Enable Admin.	
	EZDraw	Change EZDraw Password
dministrator	Enable VCLink/ScreenShare	
tentter	Save System Log to USB	
	Firmware Update Notice	✓
	Far End Camera Control	Z
	Wake-on-LAN (WOL)	

Monitor

EVC main system allows you to connect dual monitor. In the **Monitor** configuration screen, you can configure the **Aspect Ratio** and **Screen Saver** to each monitor.

ö Settings ► General Setting

Select General Setting | Monitor and press 2.

Select the VGA Display Resolution (Auto /4:3/16:9) that you want from the drop-down list and press . If you want the system to detect the right setting automatically, please select "Auto".

Select the Screen Saver time (OFF/10 Minutes/20Minutes/30Minutes/60Minutes) from the drop-down list and press . You can select "**OFF**" to disable this function or define a standby mode time.



AVERMEDIA HD (HDM

ö Settings ► Gen	eral Setting	
		AVERMEDIA HD (HDMI)
Call Settings System Settings Administrator	VGA Display Resolution	Auto
Monitor Date and Time	Screen Saver	
	TV Underscan HDMI1 Compatible Offset Frame	OFF 10 Minutes 20 Minutes
		Y

The screen will turn black when the system is in standby mode. Press any button on the remote controller to wake up the system.

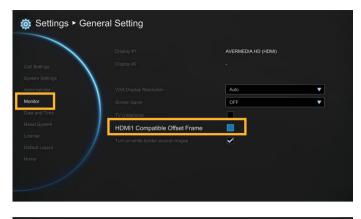
TV Underscan

For older type TVs/CRT monitors, this function can help to auto adjust screen view when the GUI is exceeded the monitor view range.

		AVERMEDIA HD (HDMI)	
all Settings	Display #2		
	\ \		
iministrator	VGA Display Resolution	Auto	•
onitor	Screen Saver	OFF	•
ite and Time	TV Underscan		
	HDMLIT Companie Orset Frame		
		V	

HDMI1 Compatible Offset Frame

To adjust screen position if the screen display is not in center.



Turn on white border around image

Enable/disable the white borer around image window during video conferencing. The default is enabled.

	Display⊭1 Display#2	AVERMEDIA HD (HDM	
all Settings ystem Settings	Lispay #2		
dministrator	VGA Display Resolution	Auto	
lonitor	Screen Saver	OFF	•
late and Time	TV Underscan		
	HDMI1 Compatible Offset Frame		
	Turn on white border around imag	ies 🗾 🗹	
	/		

Date and Time

Date and Time allows you to set the Date and Time formats, adjust the time setting and change the time zones around the world and countries.

Date Format

Select General Setting | Date and Time and press .

Select the Date Format (yyyy-mm-dd/ mm-dd-yyyy/dd-mm-yyyy) you prefer from the drop-down list.

	Date format	yyyy-mm-dd
all Settings	Time format	
	Enable NTP	yyyy-mm-dd mm-dd-yyyy
	NTP Server	dd-mm-yyyy poor.nip.org
Ionitor	Timezone	UTC+0:00
Date and Time	Last Update	Disconnected
leset System		2010 / 3 / 20
		//16 : 38
		Apply

Time Format

Select General Setting | Date and Time and press

Select the Time Format (24-hour/12-hour) you prefer from the drop-down list.

	Date format	yyyy-mm-dd 🗸
all Settings	Time format	24-hour
	Enable NTP	
	NTP Server	24-hour 12-hour
lonitor	Timezone	- UTC+UUU
ate and Time	Last Update	Disconnected
esot System		2010 / 3 / 20
		/16 : 38
		Apply

Enable NTP

Network Time Protocol (NTP) is a protocol that is used to synchronize computer clock times in a network of computers. Select the **Enable NTP** check box to make your main system time the same as the network time.

		yyyy-mm-dd	•
all Settings	Time format	24-hour	•
	Enable NTP		
	NTP Server	pool.ntp.org	
onitor	Timezone	UTC+0:00	•
ate and Time	Last Update	Disconnected	
		2019 / 3 / 20	
		10 : 38	
		Apply	

NTP Server

The Network Time Protocol (NTP) allows administrators to synchronize all network computers to a main server. This keeps all network machine clocks on the same time. Enter the NTP Server name that you want to follow.

		yyyy-mm-dd	•
Call Settings	Time format	24-hour	▼
	Enable NTP	~	
	NTP Server	pool.ntp.org	123
Monitor	Timezone	UTC+0:00	
Date and Time	Last Update	Disconnected	
Reset System		2010 / 3 / 20	
		16 : 38	
		Apply	

Timezone

Timezone allows you to adjust the time when you are in a different country or area so that you can keep the same time with your original area. Most of the time zones on land are offset from Coordinated Universal Time (UTC) by a whole number of hours (UTC-12 to UTC+14).

		yyyy-mm-dd	•
all Settings	Time format	24-hour	•
	Enable NTP		
	NTP Server	neel nto are	
	Timezone	UTC+0:00	•
late and Time	Last Update	UTC-3:00 UTC-2:00	
USUL OYSIEND		UTC-1:00 UTC+0:00	
		UTC+1:00	
		UTC+2:00 UTC+3:00	
		Афріу	

Year and Hour

Enter the date and time including year, month, day, hour and minute that you want to show on the present system.

		yyyy-mm-dd
all Settings	Time format	24-hour
	Enable NTP	
	NTP Server	pool.ntp.org
lonitor	Timezone	UTC+0:00
ate and Time	and a statistical second	
eset System	Year / Month / Day	2019 / 3 / 20
	Hour / Minute	16 : 38
	/	Apply

Select "Apply" to active your settings.

		yyyy-mm-dd	•
all Settings	Time format	24-hour	•
	Enable NTP		
	NTP Server	pool.ntp.org	
	Timezone	UTC+0:00	
ate and Time	Last Update		
		2019 / 3 / 20	
		16 : 39	
		Apply	

Reset System

The Reset System allows you to reset your main system to factory settings, which will clear phonebook entries and call history. Make sure to back up the information before resetting the system.

Default Setting Reset: LAN configuration, video/audio codec selection, call settings and so on will be reset. Click "**Yes**" to reset your system to factory default values.

Clear Phonebook: All the phonebook entries saved in the system will be deleted.

Click "**Yes**" to delete all content of your phonebook.

Clear Call History: All the incoming and outgoing call records will be deleted. Click "**Yes**" to delete all calling information of the call history.

ö Settings ► General Setting		
	Default Setting Reset	
Call Settings	Clear Phonebook	
System Settings	Clear Call History	
Administrator		
Monitor Date and Time		
Default Layor. Hone		
iği Settings ► General Setting		
	Default Setting Reset	
Call Settings	Ciear Phonebook	
System Settings	Clear Call History	

ö Settings ► General Setting		
	Default Satting Roset	
Cell Settings	Clear Phonebook	
System Settings Administrator Monitor	uncer cent riskuty	
Reset System License Default Layout		

	Default Setting Reset	
Cell Settings System Settings Administrator	Clear Call History	
Monitor Monitor		
Reset System		
Default Layout. Homo		

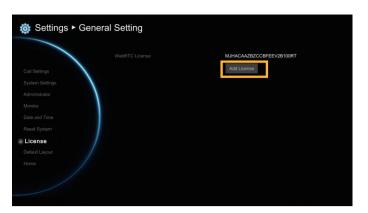
WebRTC License

EVC supports WebRTC but license updated is required. To purchase license, please contact your sales dealer.

- 1. Select **Add License** to enter license serial number.
- Press keypad button on remote and enter the license serial number. After entering, select OK to back to License enter page. Then, select Activate to register the license.

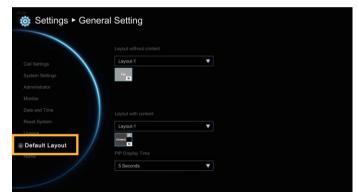
[Note]

- License serial number is capital sensitive.
- One license only for one EVC device.



Default Layout

You can select the layout for call conference. There two type of layout – Layout without content and Layout with content.

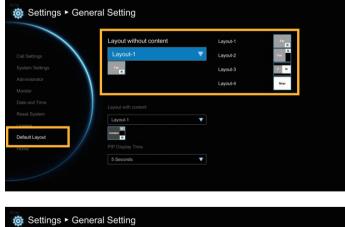


Layout without content: Only display call video, no content share screen.

There 4 layouts can be chosen. During the call conferencing, the display layout will be the layout that you has chosen.

Layout with content: display call video and content share screen.

There 6 layouts can be chosen; but only 2 layouts include content share screen. During the call conferencing, the display layout will be the layout that you has chosen.



		Layout	-1 Contere
I Settings	Layout-1	Layout	-2 0
		Layout	-3 ^{Far} N
		Layout	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		Layout	.5
	Layout with content		
	Layout-1	Layout	-6 Far
158			
It Layout	N		
/	PIP Display Time		
	5 Seconds	▼	

PIP Display Time: When conference call is connected, screen is displayed in PIP mode. You can manually setup PIP mode display time. The default is 5 seconds.



	eneral Setting			
all Settings	Layout-1			
	7** N			
	\ <u> </u>			
	1			
	- Louis Latter control			
			1	
	Alv	vays		
efault Layout	5 Se			
ome	10 M	nutes inutes		
		inden		

Video/Audio

In **Video/Audio** configuration screen, you can set the MIC gain level, select the preferred video and audio codecs and adjust the camera functions.



Camera

Camera allows you to set the White Balance, Exposure, Sharpness, and Frequency for your camera.

White Balance

Whit balance is a camera setting that adjusts for lighting in order to make white objects appear white in photos.

Select Video/Audio | Camera and press

Select the White Balance type from the drop down list. EVC main system supports up to 5 types of white balance for your selection.

Reproce Billiophese Carriera Upside down Carriera Upside down Carriera Upside down Carriera Upside down Carriera Cons Mode One Shot T	era Pringuency Coudy Daylight Coudy Daylight Coudy Coudy Coudy Coudy Daylight Coudy		White Belance	Auto	•
nera Cloudy toproce Disylight roproce Canteral Upside down ro Codecs Canteral Upside down sensition Codecs Canteral Ecosis Mode	era Proguncy Cloudy Matter of Control of Con		Exposure		
Reproce Billiophese Carriera Upside down Carriera Upside down Carriera Upside down Carriera Upside down Carriera Cons Mode One Shot T	procee procee Camera Upide-down Camera Upide-down entation Codeos Camera Foots Mode Cee Shot codeos codeos codeos codeos codeos codeos codeos	\		Cloudy	
eo Codecs Camera Upside-down en Codecs Camera Focus Mode One Shot	o Codees. Camera Upildei doan Camera Upildei doan Camera Foois Mode Cere Shot V entation Codeos Enable 30-denoise C		Sharpness	Daylight	•
sentiation Codeos Camera Focus Mode One Shot 🔻	ertation Codecs Camera Focus Mode One Shot Camera Focus Mode Camera Focus Mode Camera Focus Camera Focus Camera Focus Mo		Camera Upside-down		
	o Codece Enable 3D-denoise		Camera Focus Mode	One Shot	•

Auto: Most cameras default to automatic white balance. It makes white objects bright white and alter all the other colors to match.

Cloudy: You can use the **Cloudy** white balance setting instead of auto on a cloudy day. This allows the camera to compensate for blueness in the shadows, warming up the scene to better match what your eye would see.

Daylight: You can use Daylight settings only when shooting in very bright sunlight, as it can produce bluish results on overcast days.

Fluorescent: You can use Fluorescent setting to cancel out the green or blue cast, which can produce sickly-looking results on human skin.

Tungsten: This setting assumes a color temperature of around 3,200k and is suitable for most tungsten lamps that normally emit a yellow light. This is usually used to correct for the same color cast.

Exposure

A photograph's exposure determines how light or dark an image will appear when it is been captured by your camera. Select the exposure level you prefer from 1 to 9 or auto.

	White Balance	Auto	•
	Exposure	5	
amera	Frequency	3	
licrophone.	Sharpness	5	
	Camera Upside-down	7 8	
		One Shot	•

Frequency

Select the correct frequency setting (Auto/50Hz/ 60Hz/OFF) form the Frequency drop-down list.

		Auto	
	Exposure	5	V
amera	Frequency	Auto	•
horophone	Sharpness		
	Camera Upside-down	Auto 50Hz	
	Camera Focus Mode	One Shot	•••••

Sharpness

Adjust camera sharpness. The more sharpness the screen image more easy has noise.

		Auto	▼
		5	•
	Frequency	Auto	T
amera prophone	Sharpness	Medium	•
	Camera Upside-down	OFF	
	Carnera Focus Mode	Mediu	

Camera Upside-down

When camera is handed at up-side-down position, enable Camera Upside-down to flip the image view.

	White Balance	Auto	•
	Excessive	5	▼
	Frequency	Auto	V
Samera	Sharpness	Medium	V
Adeo Codecs	Camera Upside-down		
Presentation Codecs	Camera Focus Mode	One Shot	T
Audio Codecs	Enable 3D-denoise		
tome			

Camera Focus Mode

One Shot: The camera only will do the focus adjust at beginning..

Face Detection: The camera will adjust focus base on the face that is nearest to camera. The camera only will do the focus adjust at beginning. You can press button on remote to re-force the camera to do the focus adjusting.

Auto Focus: The camera will adjust focus automatically.

		Auto	•
		5	•
	Frequency	Auto	•
nera	Sharpness	Medium	•
rophone eo Codecs	Camera Upside-down		
	Camera Focus Mode	One Shot	•
	Enable 30-denoise		
		Face Deter Auto Foc	tion

Enable 3D-denoise

Here allow you to enable 3D denoise function. This function can improve image view in low light environment. By default, the 3D denoise is disabled.

	Winte Balance	Auto	•
	Exposure	5	
	Frequency	Auto	V
umenu	Branpress	Medium	V
licrophone ideo Codecs	Camera Upside down		
resentation Codecs	Camera Focus Mode	One Shot	•
udio Codecs	Enable 3D-denoise		
ome			

Microphone

EVC main system allows you to adjust the **MIC Gain Level** up to 9 for proper MIC volume to improve audio reception on the microphone (s).

MIC Gain Level

Select Video/Audio | Microphone and press

Adjust the **MIC Gain Level** form the drop-down list.

	MIC Gain Level	5 2
	MIC Input Source	3
Samera	Sending Audio Via Line-In to	5
Aicrophone	Sending Audio Via Hami-In to	7
/ideo Codecs	Speaker Output	Auto

MIC Input Source

Select the source of the microphone from the MIC in, Audio IN with AEC, or Audio IN without AEC. If you connect a microphone in AUDIO IN port, we recommend selecting Audio in selection to avoid the echo issue.

Gettings ► Video	/ Audio		
		5	
	MIC Input Source	MIC in	V
Camera	Sending Audio Via Line-In to	Both Site	•
Microphone		Far site	
Video Codeos		Near Site Both Site	
Presentation Codecs			
Audio Codecs			
Home			

Sending Audio Via Line-in to

Send the audio through the audio device that is connected at audio input port of EVC to selected site(far, near, or both).

If MIC Input Source is **MIC in**, you can choose far, near or both site can hear the audio sound. If MIC Input Source is **Audio in**, only "**far site**" can be heard the audio sound.

[Note] When audio input port is connected with audio device and enable "Sending Audio Via Line-in to" function, the AVer MIC is disabled.

		5	•	
	MIC Input Source	MIC in	•	
	Sending Audio Via Line-In to	Both Site	•	
licrophone	Sending Audio Via Hdmi-In to	Far site		
nieo loodeos	Speaker Output	Near Sit Both Sit		

Sending Audio Via HDMI-in to

Send the audio through the device that is connected at HDMI input port. You can choose which site or both site can hear the audio sound.

	MIC in	
configuration and an addition	Both Site	•
ending Audio Via Hdmi-In fo	Both Site	•
eaker Output	Far site	
	Both Site	
	11. In 11	
		Veraker Output Far site

Speaker Output

This function allows you to hear own talking voice during video conferencing through the stream media device that is connected on EVC main unit.

		5	•
	MIC Input Source	MIC in	•
	Sending Audio Via Line-In to	Both Site	•
Samera Aicrophone	Sending Audio Via Hdmi-In to	Both Site	•
/ideo Codeos	Speaker Output	Auto	•
		Line Ou HDMI 1	
		HDMI 2 Broadcas	
		broadca	51

Video/Audio Codecs

You can specify the Video/Presentation/Audio Codecs in Video Codecs, Presentation Codecs, and Audio Codecs configuration screens.

Select Video/Audio | Video Codecs for Video Codecs configuration, Video/Audio | Presentation Codecs for Presentation Codecs, or Video/Audio | Audio Codecs for Audio

Codecs configuration and press

Select the **Video/Presentation/Audio Codecs** to specify the codecs you want to support. While the EVC supports the H.323 standard coding algorithm, each codec has unique properties and performs best given a certain set of circumstances.

For Video: H.264, H.263+, H.263, H.264HP, H264SVC

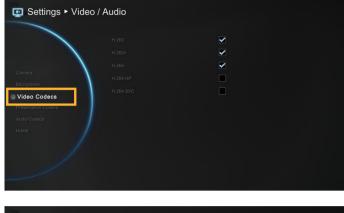
[Note]

1. When video codec doesn't select, there will be no video output.

2. H.264SVC only work with AVer EVC system and default is disabled.

For Presentation: H.263, H.263+, H.264, H.264HP, H264SVC

For Audio: G.728, G.722.1C, G.722.1*, G.722, G.711, G.729, AAC-LD



Gettings ► Video / .	Audio	
		v
		Z
$\mathbf{\lambda}$		~
Camera Microphone		
Video Codeca:		
Presentation Codecs		
Audio Codeca		
Home		
1		

Please contact system administrator if you have any question on these codecs.

*:G.722.1/G.722.1C, licensed from Polycom®

Network

Network allows you to set the SIP Server, Gatekeeper, Firewall and LAN Configurations. Before configuring Network and Firewall, please refer to page 69 – Scenarios for LAN connection and follow the instructions of your actual network connection scenario.



LAN Configuration

AVer EVC supports **IPv4** and **IPv6** internet protocol for your configuration. IPv4 is the most widely deployed internet protocol used to connect devices to the internet. IPv4 uses a 32-bit address scheme, written in decimal as four numbers separated by periods. Each number can be zero to 255. For example, 192.168.0.1 could be an IP address.

Select Network | LAN Configuration and press

Configure the following relative items to setup the LAN Configuration.

AN Configuration	IP Address Type	DHCP	•
/b	Your IP Address is		
Ivanced Network	Subnet Mask		
	Default Gateway		
	Preferred DNS Server		
	Alternate DNS Server	10.100.1.6	
		Apply	

Obtain IP Address

DHCP: Configure the system to automatically obtain an IP address from the DHCP server.

Static IP: Configure the system to use the assigned IP address. Select this when the public IP address is available.

PPPoE: Use when your network is a ADSL/DSL type connection.

AN Configuration	IP Address Type	DHCP
246	Your IP Address is	Static IP
	Subnet Mask	DHGP PPPoE
	Default Gateway	
	Preferred DNS Server	10.100.1.5
	Alternate DNS Server	
		Apply

Your IP address is

Show the current IP address; enter into when you need to configure your IP address manually.

LAN Configuration	IP. Address Type	Static IP	
IPV6	Your IP Address is		123
	Subnet Mask		
	Default Gateway		
	Preferred DNS Server		
	Alternate DNS Server		
		Apply	

Subnet Mask

Show the designated IP address routing prefix; enter the subnet mask address when the system does not automatically obtain the subnet mask

AN Configuration	IP Address Type	Static IP	
PVC .	Your IP Address is		
	Subnet Mask		123
	Default Gatoway		
	Preferred DNS Server		
	Alternate DNS Server		
		Apply	

Default Gateway

A gateway is a network point that acts as an entrance to another network. Enter the gateway address when the system does not automatically obtain the gateway.

AN Configuration	IP Address Type	Static IP	-
	Your IP Address is		
	Sobnet Mask		
	Default Gateway		123
	Preferred DINS Server		
	Alternate DNS Server		
		Apply	

Preferred/Alternate DNS Server

Domain Name System (DNS) servers convert human friendly names (for example: www.example.com) to IP addresses (218.77.272.166) that let machines be found on the network. The preferred DNS server is the one your computer asks first. The alternate is a backup. Enter the Preferred and Alternated DNS Server address.

After finishing all settings, select **"Apply"** to active the changed settings.

LAN Configuration	IP Address Type	Static IP	
IPv6	Your IP Address is		
Advanced Network	Subnet Mask		
	Default Gateway		
	Preferred DNS Server		
	Alternate DNS Server		
		Apply	
	∋twork		
	etwork		
Settings > No LAN Configuration	etwork IP Address Type	Sutic IP	•
Settings ► Ne		Static IP 10:100 93.31	
Settings • No LAN Configuration	IP Address Type		•
Settings • No LAN Configuration	IP Address Type Your IP Address is	10.100.93.31	
Settings - No LAN Configuration Invite Advanced Nations	IP Address Type Your IP Address is Subnet Mask	10.100.93.31 255.255.255.0	
Settings > No LAN Configuration Hote Advanced Network Financel SIP	IP Address Type Your IP Address is Subnet Mask Default Gateway	10.100.93.31 255.255.255.0 10.100.93.254	
Settings > No LN Configuration IP/6 Advanced Network. Firewall	IP Address Type Your IP Address Is Subnat Mask Default Gateway Preferrad DNS Server	10.100.93.31 255.255.255.0 10.100.93.254 10.100.1.5	
Settings > Not LAN Configuration Prot Advances Network Filewall SIP Configuration	IP Address Type Your IP Address Is Subnat Mask Default Gateway Preferrad DNS Server	10.100.93.31 256.256.255.0 10.100.93.254 10.100.1.5 10.100.1.6	
Settings > No Lex Configuration Pro Advanced Neteork Firewall BIP SIP Configuration Cotekeoper	IP Address Type Your IP Address Is Subnat Mask Default Gateway Preferrad DNS Server	10.100.93.31 256.256.255.0 10.100.93.254 10.100.1.5 10.100.1.6	

PPPOE

IP Address Type: Select "PPPoE".

Username/Password: Enter the username and password of PPPoE account.

Click "Apply" to make a connection.

Settings • Net	twork		
LAN Configuration	IP Address Type	PPPoE	-
IPv6	PPPaEID	aver	
Advanced Network	PPPoE Password		
		Apply 💥	
		Internet and a second	

IPv6

Select Network | LAN Configuration (IPv6) and press

Configure the following relative items to setup the LAN Configuration (IPv6).

V Configuration		Static IP	▼
Pv6		fc00::1	
vanced Network	Prefix Length	7	
	Default Galaway		
		Apply	

Obtain IP Address

Static IP: Configure the system to use the assigned IP address. Select this when the public IP address is available.

Auto: Obtain the dynamic IP address automatically.

N. Configuration	IP Address Type	Static IP
v6	Your IP Address is	
ivanced Network	Prefix Length	Static IP Auto
	Default Gateway	
		Apply

Your IP Address is

Show the current IP address; enter into when you need to configure your IP address manually.

LAN Configuration	Your IP Address is	and the second se	
	rour in Address is	fc00::1	123
Advanced Network	Prefix Length	7	
Firewall			
SIP		Apply	
SIP Configuration			

Prefix Length

Prefix Length allows you to place as many IPv6 devices as the underlying network medium allows.

		Static IP	•
LAN Configuration	Your IP Address is	fc00::1	
Advanced Network	Prefix Length	7	
	Default Gateway		
		Apply	

Default Gateway

Enter the IP address of default gateway.

LAN Configuration			
IPv6		fc00::1	
Advanced Network	Prefix Length	7	
Enewall	Default Gateway		123
		Apply	

After finishing all settings, select "**Apply**" to active the changed settings.

AN Configuration		Static IP	•
Pv6		fc00::1	
dvanced Network	Prefix Length	7	
	Default Gatoway		
		Apply	

Advance Network

Configure 802.1x and VLAN settings.

Select Network | Advance Network and press

JAN Configuration		
PV6	Enable 802.1x	
Advanced Network	Identity	
SIP	Password	
		Apply
		1
		•
		Apply

Video PLR Method

Enable/disable video PLR method function.

N Configuration	Video PLR Method	
6	Enable 802.1x	
vanced Network	Identity	
ewail 2	Password	
		Apply
		1
		0
		Apply

EAP 802.1x

- Enable 802.1x: Enable/disable 802.1x protocol. IEEE 802.1X is an IEEE Standard for port-based Network Access Control (PNAC). It provides an authentication mechanism to devices wishing to attach to a LAN or WLAN.
- Identity: Enter the ID for 802.1x authentication.
- Password: Enter 802.1x's authentication password.

Click **Apply** to save and active the settings.

N Configuration		
<u>16</u>	Enable 802.1x	
Ivanced Network	Identity	
rewall P	Password	
		Apply
		1
		0
		Apply

VLAN

- Enable VLAN: Enable/disable VLAN function. A virtual LAN (VLAN) is any broadcast domain that is partitioned and isolated in a network at the data link layer.
- VID: Enter port for VLAN.
- **Priority**: Assign VLAN packet's priority.

Click **Apply** to save and active the settings.

Configuration		
	Enable 802.1x	
nced Network	Identity.	
	Password	
		Apply
	Enable VLAN	
	VID	1
	Priority	0
		Apply

Firewall

Configure the following items to setup the Firewall.

Select Network | Firewall and press .

Configure the following relative items to setup the Firewall.

N Configuration		30000
ve 🔪		~30299
dvanded Network	UDP.Ports:	30000
Firewall	1	-30299
SIL,	Enable UPnP	
	Enable H.239 Hole Punching	
		Auto
		113 196 139 109

TCP/UDP Ports

By default, the system communicates through TCP/UDP ports in the range from 30000 to 30299. You can specify the range for your specific network environment.

N Configuration	TCP Ports	30000
16		-30299
Ivanced Network	UDP Parts	30000
rewall		-30299
P	Enable UPnP	
	Enable H 239 Hole Punching	
		Auto

You must configure your firewall to allow inbound/outbound traffic through "UDP (port 1719)"/ "TCP (port 1720)" for H.323 call setup.

NAT Configuration

AVer EVC supports NAT systems that use the internal IP addresses to communicate with other devices outside the LAN.

LAN Configuration TCP Ports: S0000 -30099 LOP Ports S0000 -30099 Enable UPvP Enable UPvP Finanti Enable UPvP Finanti Enable UPvP Indexte Finance Auto OFF ON RAT Configuration RAT Configuration RAT Public (VMA) Address OFF ON RAT	Settings • Net	WOIR	
Py6 -30399 Advanced fightwork UDP Ports Prevail -30399 SIP Enable UPyP SIP Auto Text Uplates NAT Public (WAN) Address	LAN Configuration		30000
Freewall -30299 SIP Enable UPvP SIP Configuration - Glabbleopper NAT: Configuration Tract UBmes NAT: Public (WAN) Address			~30299
SIP Enable UPyIP SIP Configuration Glabitrospor Tract UBites NAT: Configuration NAT: Configuration Auto OFF ON	Advanced Network		30000
SIP Configuration Guidesepper NAT Configuration TestUtilities NAT Public (WAN) Address OFF ON	Firewall	\	-30299
Gatekesper INAT Configuration Test Utilities NAT Public (WAN) Address OFF ON	SIP	Enable UPnP	
Test Ullises NAT Configuration OFF ON		Enable H 239 Hole Punching	
NAT Public (WAN) Address ON		NAT Configuration	Auto
		NAT Public (WAN) Address	
WebRTC			
Home			

NAT Public (WAN) Address

The NAT public address must be entered when you enable the feature on NAT configuration.

LAN Configuration		-30299	
IPV6 Advanced Network	UDP. Ports	30000	
Firewall	1	~30299	
SIP	Enable UPnP		
	Enable H.239 Hole Punching		
	NAT Confinuration	ON	-
	NAT Public (WAN) Address	113.196.139.109	123

SIP

Session Initiation Protocol (SIP) allows you around the world to communicate using your supported devices over the Internet.

Select Network | SIP and press .

Configure the following relative items to setup the SIP.

LAN Configuration		AVer	
IPv6		IPv4	•
	SIP Transport Protocol	UDP	•
Firewall	SIP Port	5060	
SIP	BECP	UDP	•
an same much	Enable SRTP		
		0.0.0	
		3478	
		~	

SIP Site Name

Enter the SIP site name for others to identify. The SIP site name may be the same or different then the domain for Web activity.

LAN Configuration	SIP Site Name	AVer	123
Pv6	TRAMES PROPERTY	IPV4	
	SIP Transport Protocol	UDP	V
Efewal	SIP Port	5060	
SIP	BECP	UDP	
SIF Configuration	Enable SRTP		
		0.0.0.0	
		3478	
		~	

Inter Protocol

Select internet protocol check box to enable IPv4 or IPv6 protocol using.

LAN Configuration	SIP Site Name	AVer
IPv6	Internet Protocol	IPv4
	SIP Transport Protocol	
Firewall	SIP Port	IPv4 IPv6
SIP	BECP	UDP
SIP Configuration	Enable SRTP	
		0.0.0.0
		3478
		~

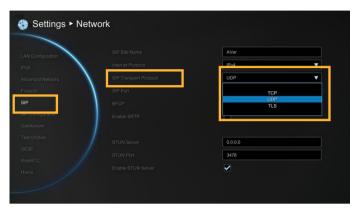
SIP Transport Protocol

Select the SIP Transport Protocol type from the drop-down list for using. There are two types of Internet Protocol (IP) traffic. They are Transmission Control Protocol (TCP) and User Datagram Protocol (UDP). To ensure proper connection, verify if both calling parties are using the same transport protocol. By default, it is set to UDP.

TCP: TCP is connection oriented. Once a connection is established, data can be sent bidirectional.

UDP: UDP is a simpler, connectionless Internet protocol. Multiple messages are sent as packets in chunks using UDP.

TLS: TLS is a cryptographic protocols designed to provide communications security over a computer network. SIP payloads will be encrypted to prevent malicious or unwanted modifications. NAT-traversal can be achieved by TLS connections since SIP payloads will not be altered by NAT-enabled routers.



SIP Port

Change this value only if you use specific settings in your network system. By default, the SIP port is set to 5060.

AN Configuration		AVer	
NE	Internet Protocol	IPv4	▼.
	SIP Transport Protocol	UDP	-
irewall	SIP Port	5060	
IP	BECP	UDP	
an statistication of	Enable SRTP		
		0.0.0	
		3478	
		~	

BFCP

Enable presentation sharing function in SIP. It allows you to share the presentation file screen to other caller in video conference meeting.

If connection is not so stabled, use TCP mode can offer a reliable connection to prevent unexpected disconnection and behaviors due to packet losses.

AN Configuration		AVer	
evel 🔪 🔪	Internet Protocol	IPv4	▼
	SIP Transport Protocol	UDP	•
	SIP Port	5060	
91 -	BROM	UDP	
IP Configuration	Enable SRTP	Of	6
		UD	2
		TC	
		0.0.0	
		0470	
		~	

Enable SRTP

Through SRTP, RTP payloads will be encrypted to prevent sniffer, and hence secure communication between users.

		AVer	
AN Configuration		IPv4	•
dvanced Network	SIP Transport Protocol	UDP	v
irewall	SIP Port	5060	
IP	BECP	UDP	
In Connection	Enable SRTP	an an the second se	
	/		
		0.0.0.0	
		3478	
		~	

STUN Server

STUN (Session Traversal Utilities for NAT) is a standardized set of methods and a network protocol to allow an end host to discover its public IP address if it is located behind a NAT.

Enter IP address of SIP NAT traversal server.

Settings • No			
LAN Configuration		AVer	
IPve		IPv4	
	SIP Transport Protocol	UDP	•
Firewall	SIP Port	5060	
SIP	BECP	UDP	
SIP Contiguration	Enable SRTP		
	STUN Server	0.0.0	123
	STUN Port	3478	
		✓	

STUN Port

Enter port number of STUN server.

	STUN Port	3478	
		0.0.0.0	
Picontiguration			
P		UDP	
		5060	
Ivancod Notwork		UDP	•
		IPv4	
N Configuration		AVer	

Enable STUN Server

Mark to enable STUN server function.

Settings • Ne	etwork		
LAN Configuration		AVer	
IPv6		IPv4	
	SIP Transport Protocol	UDP	•
Finewall	SIP Port	5060	
SIP	BECP	UDP	
SIP Configuration	Enable SRTP		
		0.0.0.0	
		3478	
		172 march 1	
	Enable STUN Server		

SIP Configuration

A typical SIP session involves a client requesting a session with a SIP server. After the request is received, the SIP server returns a response to the user indicating the availability of the session.

- 1. Select Network | SIP Configuration and press
- 2. Configure the following relative items to setup the Server.

Configuration		Become a Server	•
nced Network	Authentication Mode	Anonymous	▼
	Password		
	Server ID	1000	
Configuration	Domain Name		
keeper	Client To Client Call		

Operating Mode

Select Operating Mode and press
to select the mode from drop-down list.

Become a Client: Register EVC main system to SIP external server.

Become a Server: Set EVC main system as a SIP server.

[Note] Only allow the users are registered on EVC SIP server can make a connection.

OFF: To deactivated using SIP.

LAN Configuration	Operating Mode	Become a Client
Pv6		Become a Client
	User Name	Become a Server
	Authorization Name	Off
3(P	Password	
SIP Configuration	Registrar Server	
Satekeeper		

Become a Client: Select Operating Mode is "Become a Client" in SIP Configuration. Then, enter the following information to register to SIP server.

User Name

Select User Name and press to enter user name.	Settings > Network LAN Configuration	ork Operating Mode	Become a Client	¥
	IPv6 Advanced Network	User Name		123
	Firewall	Authorization Name	AVer	
	SIP			
	SIP Configuration			
	Gatekeeper			
	Test Utilizes ISCSI WebRTC Home	Account Active	Register	

Authorization Name

Select Authorization Name and press 🔁 to enter authorization name.

LAN Configuration		Become a Client	▼
IPv6 Advanced Network	User Name		
	Authorization Name	AVer	123
SIP	Password		
SIP Configuration	Registrar Server		
Оникооры			

Password

Select Password and press password.

		Become a Client	
LAN Configuration		Decome a cirem	
IPv6	User Name		
	Authorization Nama	AVer	
		Aver	_
	Password		123
SIP Configuration			
Gatekeeper			

Registrar Server

Registrar Server accepts registrations from users and places these registrations, (which is essentially location information), in a database known as a location service. Enter the Registrar Server name that you want to use.

Contract of the Contract of Co		Become a Client	•
LAN Configuration			
Advanced Network	User Name		
	Authorization Name	AVer	
SIP	Password		
SIP Configuration	Registrar Server		123
Gillekeeper	Proxy Server		

Proxy Server

Proxy Server is computing device (typically a server) that interfaces between data processing devices and others within a communications network. These devices may be located on the same local area network or an external network. Enter the used Proxy Server name.

LAN Configuration		Become a Client	•
IPV6			
	User Name		
	Authorization Name	AVer	
SIP	Password		
SIP Configuration	Renistrar Server		
Galekeeper	Proxy Server		123
		Register	

Account Active

Select "Account Active" check box and press to activate/deactivated.

Next, go to **Register** button and press **U** to register to the SIP server.

AN Configuration		Become a Client
PV6		
	User Name	
	Authorization Name	AVer
iiP	Password	
SIP Configuration	Registrar Server	
инемверет		
	/	
	Account Active	la de la constante de la const

Become a Server: Select Operating Mode is "Become a Server" in SIP Configuration. Then, enter the following information to be a SIP server.

Authentication Mode

Select authenticate way to authorize SIP client.

Anonymous: No password required for any SIP client.

Password: Password is required for SIP client to connect SIP server. Set the password in Password column.

AN Configuration		Become a Server	
V6 dvanced Network	Authentication Mode	Anonymous	
	Password		1
IP	Server ID	Anonymous Password	
IP Configuration	Domain Name		
ыекеерег			

Password

When authentication mode is Password mode, a password is required to be set. The default password is "**1234**".

AN Configuration		Become a Server	•
2v6 dvanced Network	Authentication Mode	Password	Ţ
	Password	1234	123
IP.	Server ID	1000	
IP Configuration	Domain Name		
neweeper.			

Server ID

The SIP server's ID that wants to connect. The EVC default server ID is "**1000**".

LAN Configuration		Become a Server	•
IPv6 Advanced Network	Authentication Mode	Password	
	Password	1234	
SIP	Server ID	1000	123
SIP Configuration	Domain Name.		
Gatekeeper			

Client to Client

To make a 1 to 1 call meetings through the registered SIP server to other EVC system, EZMeetup, or 3rd party conference device. EVC supports five group (1 to 1) call meetings.

[Note]

- Callers and receivers need to be registered on same SIP server and are list in Registered Users' list.
- 2. EVC(SIP server) must power on and setup in SIP server mode.
- 3. EVC(SIP server) is a call meeting bridge and host session in background.
- Make sure the TCP/UDP ports (30000~30850) of router and EVC are opened.
- 5. Make sure the internet bandwidth is enough and will not affect performance of standard conference call.
- 6. The BFCP content sharing only support UDP protocol in Client to Client call.

N Configuration		Become a Server	•
6			
vanced Network	Authentication Mode	Anonymous	•
	Password		
2	Server ID	1000	
^o Configuration	Domain Name		
lekeeper	Client To Client Call		
	Registered Users		

AN Configuration	Operating Mode	Become a Server	
PV6			
	Authentication Mode	Anonymous	T
	Password		
10	Server ID	1000	
SIP Configuration	Domain Name		
Satekeeper	Client To Client Call		
	Registered Users		
	/		
	1000		

Registered Users

List all registered SIP client.

Gatekeeper

The **Gatekeeper** in AVer EVC serves the purpose of translating services from E.164 IDs to IP addresses in an H.323 network.

Select Network | Gatekeeper and press .

Configure the following relative items to setup the Gatekeeper.

AN Configuration		AVer
2/6		0
	Gatekeeper Address	0.0.0
	Authentication	
	User Name	
IP Configuration	Password	
Gatekeeper		
est Utilities		

H.323 Name

Specify the name that gatekeepers and gateways can use to identify this system. Enter the name; the gatekeeper will use this name for identification.

H 323 Extension Gatekeeper Address	0	
	0.0.0.0	
		User Name Password Connect to Gitekeeper Enable H 490 Finewall Traversal

H.323 Extension

Enter a numeric value for the gatekeeper to identify your system further.

AN Configuration	H 323 Name	AVer
PVG	H.323 Extension	0
vdvanced Network	Gatekeeper Address	0.0.0
	Authentication	
	User Name	
IP Configuration	Password	
Satekeeper		
estunintes		

Gatekeeper Address

Enter the IP address for the gatekeeper server.

AN Configuration		AVer	
-16	His28 Extension	0	
	Gatekeeper Address	0.0.0	123
	Authentication		
	User Name		
IP Configuration	Password		
Satekeeper			
est Utilities			

Authentication

Select the "Authentication" check box to activate gatekeeper authentication if gatekeeper requires authentication.

User Name and Password: Enter the user name and password for gatekeeper authorization.

Settings > Ne	twork		
LAN Configuration		AVer	
IP/6		0	
Advanced Network	Gatekeener Address	0.000	
	Authentication		
	User Name		
SIP Configuration	Password		
Gatekeeper	Connect to Gatekeeper		
Test Utilities			

Connect to Gatekeeper

Select this check box to Activate/deactivate gatekeeper.

LAN Configuration		AVer
IPV6		0
Advanced Network		0.0.0.0
Firewall	Authentication	~
	User Name	
SIP. Configuration	Password	
Gatekeeper	Connect to Gatekeeper	
Test Utilities	Enable H 460 Firewall Traversal	

The Wake sure to setup the Gatekeeper before setting up the Firewall.

Enable H.460 Firewall Traversal

If you want to enable the H.460 Firewall Traversal, please set the following ports in port forwarding in your firewall before start installing your EVC.

Port	Function	Туре
1719	Gatekeeper	UDP
1720	H.323 Call setup	ТСР
30000~30850	Control and medial for audio, video, content, and data/FECC	TCP and UDP
80, 443	HTTP Interface (WebTool), EZDraw	ТСР
23	Telnet	TCP
5060, 5061	SIP	TCP and UDP TCP
10443	WebRTC	TCP
50000, 50001	ScreenShare VCLink	ТСР

AN Configuration		AVer
-V6		0
dvanced Network	Gatekeeper Address	0.0.0.0
	Authentication	✓
	User Name	
IP Configuration	Password	
Satekeeper	Connect to Gatekéeper	
est.Utilities	Enable H.460 Firewall Traversal	
	/	Register

Taversal before enabling it.

Test Utilities

Network Test

This feature tests the network ability between local and far site.

Select Network | Test Utilities and press

Select Run to start testing.

Wait until it finishes the network test. The check mark will appear if the network test is successful. If it fails, save the report in a USB flash drive and contact our technical support.

LAN Configuration	During the network test, all system o	perations will be stopped. Once the test is c	tone, the system will need a
IPV6	reboot.		
Advanced Network	Network Test	Run	
	1		
	Test Command	Ping	T
	IP Address		
Gatekeeper		Run	
Test Utilities		ESSER	
ISCSI			

Test Command

To ping or traceroute the far site device. Select Network | Test Utilities and press

Select Test Command and press

- Ping: Ping is used to test the reachability of a host on an Internet Protocol (IP) network, and to measure the round-trip time for messages sent from the originating host to a destination and echoed back to the source.
- Traceroute: traceroute is displayed the route (path) and measuring transit delays of packets across an Internet Protocol (IP) network.

IP Address: Enter the IP address of device that user wants to ping or traceroute.

Finally, select **Run** to start ping or traceroute.

Settings • Netwo	rk	
LAN Configuration	During the network test, all system operations will reboot.	be stopped. Once the test is done, the system will need a
Advanced Network		Run
SIP SIP Configuration Gatekeeper		Ping V
Test Utilities ISCSI WebRTC		Traceroute
Home		
🍓 Settings ► Netwo	rk	
LAN Configuration		AVer
IPv6		0
Advanced Network		0.0.0
Firewall		×
SIP	User Name	
SIP Configuration	Password	1123.
Gatekeeper	Connect to Gatekeeper	
Test Ullities		
WebRTC		
Home		

iSCSI

Select Network | iSCSI and press



To connect to iSCSI server on network.

Enter the iSCSI server's IP, Port, Target Name, Username, and Password.

Select "Connect" to make a connection to iSCSI server. To disconnect, select "Disconnect".

After connecting, the total capacity and used capacity will be display.

Mark "Enable iSCSI after power on", the iSCSI will be connected when EVC unit is power on.

Settings ► Ne		
AN Configuration		192.168.1.1
PV6		3260
Advanced Network	Target Name	iqn.2016-07.com.test:Target
	Usemame	
	Password	
	Enable iSCSI after power on	
		Connect
Test Ullifies		Disconnect
ISCSI		0 MB/ 0 MB
WebRTC Home		

WebRTC

EVC supports WebRTC (Web Real-Time Communication) for the real-time communication over peer-to-peer connections.

Select Network | WebRTC and press

Enable/Disable WebRTC function.

Wss port and Ws Port setup is at WebTool setup page. WebRTC Https UI and WebRTC **WSS URL** information are display on WebTool page, too.

[Note]

- 1. WebRTC function is not a standard support in EVC system. User needs to purchase the license to update for WebRTC function. Please contact your dealer for license purchasing.
- 2. WebRTC function only support for Chrome and Firefox browser.
- 3. Please set Chrome or FireFox browser as vour default browser.
- 4. For the first time using WebRTC to join the meeting, the Wss authentication supports URI is required. The Wss authentication will be different that depends on the browser user is used.
- 5. If Wss authentication is failed, please clear the history of browser and do the Wss authentication again.

Settings > Netwo	ork	
LAN Configuration	Enable WebRTC	
IPV6		
Advanced Network		
Firewall		
SIP		
SIP Configuration		
iscsi		
WebRTC		
Home		

Web Configurations

You can use the internet browser to access your AVer EVC system through a LAN RJ-45 cable to setup a AVer EVC system remotely. You can also access the Phonebook to add, edit and delete entries, view and download the call history, update the system, and restore your previous settings. For web configurations, your AVer EVC system default IP address is: 192.168.0.1.

Please change your EVC's IP address at the start.

Using the WebTool

Enter your EVC's IP address in the URL field. You will need to enter admin password to log in.

In WebTool login screen, user can select the Language of Web Tool and enter the password, click Submit button to login.

In the WebTool, there are some functions are different from your AVer EVC. And, those functions will be described in following.

Default password is 1234

Admin.password	1	
Language	English •	
	Submit	

After login, user should see the video screen of local site.

2

is indicated in background view mode.



Click icon can call out on-screen remote controller. You can use mouse to click the on-screen remote controller to operate functions on WebTool.





Click Station Buttons button can switch back to navigation buttons.

In the WebTool page, you can access the following:

- Phonebook
- Dial
- Call History
- Video/Audio
- General Setting
- Network

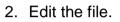
Tou can use the mouse to click the specified icon for a selection.

☞ In WebTool, all functions are same as on EVC system.

Phonebook

Edit and Save

1. Locate and open the file using MS Excel and select Office XML Handler to create a schema based on the XML source data.



3. Make sure to save the file as XML Data so it can be uploaded back to the system.

٥	Office XML Handler
人	Adobe Reader
e	Internet Explorer
e .	Movie Maker

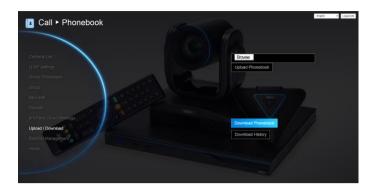
	А	В	С	D	E
1	site 🛛 💌	h323 🗾 💌	call_quality 🔽	дгоцр 🗾 💌	sip 🔽
2	China	10.100.91.49	256	Branch office	
3	US		512	Branch office	1234
4	SUPER	192.168.0.1	64	Customer	
5	Avte		1024	Customer	10.100.93.68
6	Jack Lin	192.168.0.8	64	Customer	
7	Lucky		768	Customer	10.100.93.67

.		Save As				-
⊛ ⊕ + ↑ 🎴	► Computer ► Data (D:) ► my data		~ ¢	Search my data		ş
Organize • N	ew folder				ŧ۳	- (
Documents Music Videos Pictures Computer Windows (C:) Data (D:) RDVD RW Driv KINGSTON ((re (Date modified No items match your s	Type earch	Size		
र्षेम Network File name:	v Book1					
Save as type:	Excel Workbook					
Authors	Excel Warkbook Excel Macro-Enabled Workbook Excel Binary Workbook Excel 97-2003 Workbook XML Data					
Hide Folders	Single File Web Page Web Page Excel Template Excel Macro-Enabled Template Excel 97-2003 Template Text (Tab delimited) Unicode Text XIML Spreadsheet 2003					

Download Phonebook Entries

Download phonebook allows you to download contact data from your AVer EVC system.

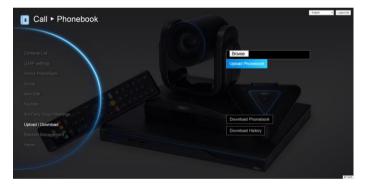
- 1. Click Phonebook | Upload/Download.
- 2. The saving Phonebook data from AVer EVC system dialogue box will appear.
- 3. Click "Save" to save the file.
- After saving, you have to re-arrange your browser to update your WebTool Phonebook so that it can be the same as your EVC system.



Upload Phonebook Entries

Upload allows you to upload the data that you have edited or added from your WebTool to your AVer EVC system.

- 1. Click Phonebook | Upload/Download.
- Click "Upload Phonebook" to upload edited or added contents to your AVer EVC system directly.
- 3. You can also click "Browser" to open the Phonebook file .xml saved in your PC to upload it to your AVer EVC system.
- 4. After completing upload, the contents of Phonebook on your AVer EVC system will be modified in time.

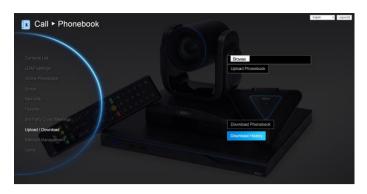


Tou can also download the phonebook entries and upload them to another AVer EVC unit.

Download Call History Entries

Download History allows you to download call history list from your AVer EVC system.

- 1. Click Phonebook | Upload/Download.
- Click "Download History" to download call history from to your AVer EVC system directly.



LDAP Setting

Setup your LDAP server then download your online phonebook.

- 1. Click Phonebook | LDAP Setting
- 2. Enter the following information:
 - Server Address: Enter LDAP server IP address.
 - Username: Enter username of LDAP server.
 - Password: Enter password of LDAP server.
 - Base DN: Enter LDAP object name / path. After entering username and password for authentication, it will start to search from LDAP Base DN name / path.
 - Port: The port for EVC and LDAP server to communicate. The default value is 389.
- 3. Click **Apply** to save the settings.
- 4. The download phonebook will be displayed in "Online Phonebook" section.

Online Phonebook

To view the phonebook is downloaded from LDAP server. You can make a call directly and save into contact list.

Click Phonebook | Online Phonebook.





Upload Files Setting (Group Call Only)

You can setup to upload recording and snapshot files that are recorded and snapshot during the group call to the google drive.

The files will be upload to google drive after conferencing call was finished an one hour later, but during an one hour there are no any conference call and operations are made.

[Note] When upload file, the USB pen drive which has saved recording and snapshot files must plug into EVC system.

- 1. Click Phonebook | Group
- 2. Click "New Group" to create a new group.
- 3. Enter the following information:
 - Input Group Name: Enter a name for the group.
 - Input Mailto: Enter an email address for receiving files upload notice.
 - Input Google Account: Enter a google account to receive file upload notice from the mail account that you have setup in "Input Mailto".
 - Input Google Password: Enter the google account's password the you have setup in "Input Google Account".
 - Auto Upload: Mark the check box to enable auto upload function.
 - Authentication & Authorization Code: Click "Apply" to get a authentication code from your google drive account. After clicking apply button, you need to enter the google drive's account and password. Then, click "Login" and select "Allow" to accept authorize on view and manage your google drive. Finally, you will get a authorization code. Copy the authorization code to "Authorization Code" column.
- 4. Click **Save** to save the settings.

Call ► Phonebook				
	Input Group Name Input Koolge Account Input Google Account Auto Lpload Authenticate Authenticate		7	
	Cancel	Save		

General Setting

Create Meeting ID

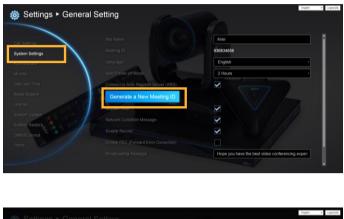
Meeting ID can provide EZMeetup can be quickly registered sip server and can be provided to the Outlook EZMeetup add in for meeting invitation.

Select General Setting and press **v** to select

System Settings and press

Select "Create Meeting ID" and select "Yes". Then, the meeting ID is created and display at "Meeting ID" column.





Generate New Meeting ID?	
Yes	

Enable Record

Allow/dis-allow user press record button on remote control to record.

- 1. Click General Setting | Systeml Setting
- 2. Mark/um-mark Enable record check box.

settings ► Ge	herar Setting	
all Setlings		AVer
vstern Settings	Meeting ID	936834856
	Language	English •
	Auto Bawer-off Made	2 Hours ·
	Connect to AVer Register Server (ARS)	
	Generate a New Meeting ID	
stem Restore	Enable Record	
		Hope you have the best video conferencing experi

Dual Stream Bandwidth Adjustment

Adjust bandwidth of presentation and live video.

- 1. Click General Setting | Call Setting
- 2. Click \blacktriangleleft and \blacktriangleright to adjust the bandwidth.

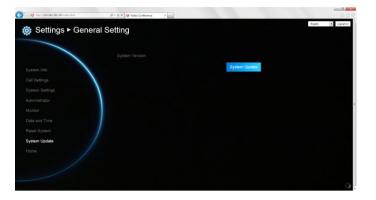


Update System

You can update the latest EVC firmware to your AVer EVC system from AVer EVC WebTool.

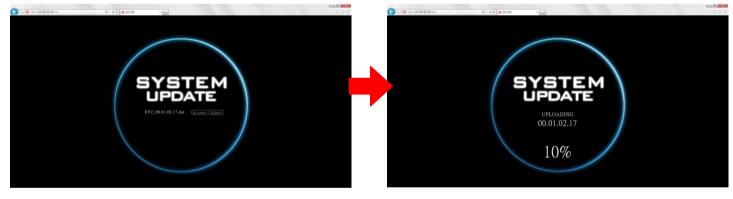
- 1. Click General Setting | System Update
- 2. Click "System Update".

3. Click **"Select**" to browse and locate the downloaded firmware file .dat.





4. Click "Submit" to begin the system update or Cancel to stop this operation.



WARNING! Please do not perform any operations during the updating process.

EZ Join

Easy for joining a MCU bridge or cloud call.

In Dial screen, you has option to create few entries for most commonly used bridge/cloud call. Those entries are defined by a XML config file.

Please contact the AVer support team (<u>http://www.aver.com/Technical-Support</u>) to get the XML config file.

You can modify sample XML to fit their environment, upload it by Web Tool.

Maximum can upload 7 XML files.

🔯 Settings ► General	I Setting			English •	Logout [X]
Call Settings			00.10.17.99/0025/0 System Update		
System Settings Administrator Monitor	EZJoin		Browse	Upload	
Date and Time Reset System License		AVer		7.5	
System Update System Restore Default Layout					

Customized Logo and Boot Animation

User can change logo icon and boot animation file.

1. Please enter the following URL in your browser.

Http://EVC's IP address/admin/customization/logo-manage.html

2. The customization screen will show.

Customized logo icon (File format: png, jpg; F	le size < 1M	b; The reference size: 132x55 pixels)
Choose File No file chosen	Upload	
]	
Customized boot animation (Time within 20 se	c.; File form	lat: avi; File size < 5Mb)
	-	r booting animation file to the correct format file.
Choose File No file chosen	Upload	
	-	
Reset to system default icon and animation	Reset	

- 3. Click "**Upload**" button and choose the logo/animation file. File for logo and animation are some limitations:
 - Logo file: file size is less or equal to 1MB and resolution is 132 x 55 pixels.
 - Animation file: file size is less or equal to **5MB**, file format is ***.avi**, and file time is less or equal to **20 seconds**. Please contact your local distributor/dealer to transfer your booting animation file to the correct format files.
- 4. If you want to use the default logo and animation file, click **Reset** button.

Troubleshooting

Audio

Can't hear the audio during a call

- Make sure the MICs are not muted.
- Make sure the MIC and speaker connections are properly connected as illustrated in the manual.
- Make sure the MIC and speaker device are workable.
- Ensure proper volume level on the system.

The audio quality is poor

- Ensure the MIC is not damaged.
- Try to adjust the "Mic Gain Level".
- Make sure the MIC is not facing the output speakers to prevent echo.

Video/Display

Video conference call is established but no video or voice.

- If you are connecting to AVer EVC with firewall, make sure you have done the port forwarding correctly. For non H.323 ALG firewall, please set the NAT configuration and the WAN IP address on AVer EVC system is entered.
- We suggest having a fixed public IP address for AVer EVC system. With Dynamic public IP address, it will change after a certain period which depends on your local ISP.
- There is a routing issue if you installed two AVer EVC systems sharing one public IP address.

Unable to connect to other video conferencing systems.

- Check to see if you dial the correct IP address.
- Ensure the power status of the device from the other sited is on.
- Verify if the firewall blocks the inbound traffics from the other site.
- Verify if the other site rejected your video conferencing call.

Unable to see the OSD.

- Check to see if your cable is connecting correctly.
- Make sure your system and display are well-connected and then reboot your system. (Your display should be switched on before you reboot your system.)
- Press "Dual" button on remote controller (User needs to keep pressing until OSD menu is shown).

Why can't I see the UI configuration screen after connecting the VGA cable and powering on AVer EVC systems upon screen saver mode?

- Please plug and unplug the VGA connector again to re-connection the VGA cable.

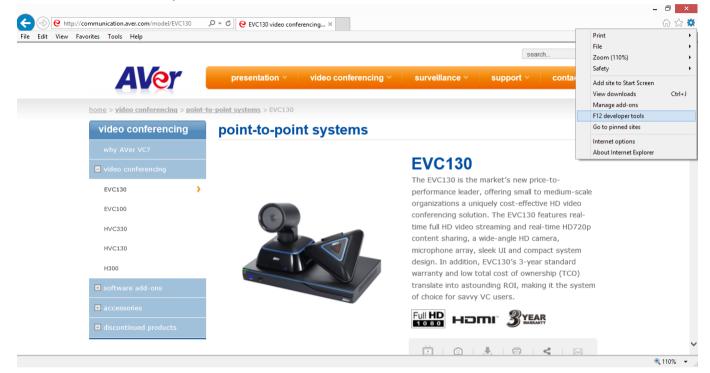
Network

The LAN connection is fail.

- Make sure you have changed your default IP address. The default IP address is 192. 168.0.1, in order not to conflict with other devices in the same LAN, please change your IP address at the start.

Cannot open WebTool by IE9 and IE10.

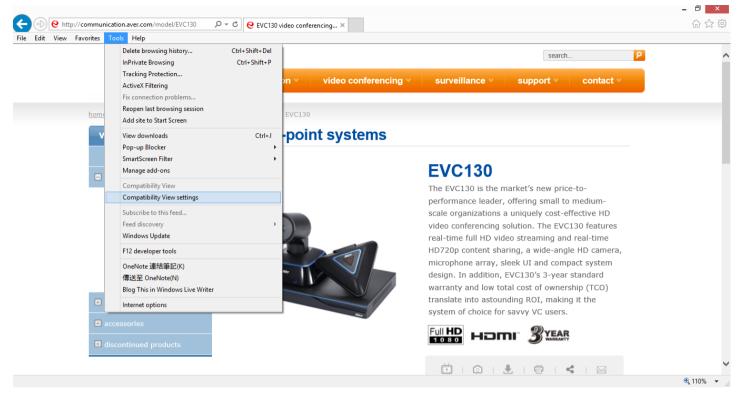
- 1. Click 🔯 (General Setting icon) in IE.
- 2. Select "F12 developer tools".



3. Change Document Mode to Internet Explorer 9 standards.

presentation * video conferencing * home > video conferencing > point-to-point systems > EVC130 video conferencing why AVer VC? video conferencing	surveillar		
home > video conferencing > point-to-point systems > EVC130 video conferencing why AVer VC?			
video conferencing point-to-point systems why AVer VC? Point-to-point systems	EVC1	30	
why AVer VC?	EVC1	30	
	EVC1	30	
■ video conferencing	EVC1	30	
		•••	
	The EVC130) is the market's new price-to-	
EVC130		e leader, offering small to medium-	
EVC100	5	izations a uniquely cost-effective HD	
нусззо		rencing solution. The EVC130 features II HD video streaming and real-time	
HVC330		ntent sharing, a wide-angle HD camera,	
HVC130	microphone	array, sleek UI and compact system	
Find Digable View Images Cache Tools Validate Browser Mode: IE10 Compat View Document Mode: IE9 standards			- 6
ML CSS Console Script Profiler Network Standards	Alt+S	Search HTML	-
🐺 🚽 🆘 💿 📝 🗟	Alt+Q	Attributes	
:DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://ww V Internet Explorer 9 standards <pre>html xmlns="http://www.w3.org/1999/xhtml"></pre>	Alt+9		
- Internet Explorer o standards (rage det			
Internet Explorer 7 standards Internet Explorer 5 quirks	Alt+7 Alt+U		
internet explorer 5 quirks	Ait+0]	

4. Disable intranet sites in Compatibility View. Go to "Tools | Compatibility view settings".



5. Unclick the checkbox "Display intranet sites in Compatibility View" and then click "Close".

Compatibility View Settings		×
You can add and remove websites to be display Compatibility View.	ed in	
Add this website:		
	Add	
Websites you've added to Compatibility View:		
aver.com	Remove	
Display all websites in Compatibility View		
Display intranet sites in Compatibility View		
Download updated compatibility lists from Microsoft		
Learn more by reading the <u>Internet Explorer privacy</u>	<u>statement</u>	
		_
	Close	

Others

Unable to connect the call and the "Call failed" error message appears on the screen.

- Ensure the IP address for the calling is correctly.
- Ensure the other end of your calling does not set their system to "Do Not Disturb" mode or pick up the phone.
- Ensure you are not calling to a system that has already up to maximum call-in limitation.

Forget the administrator password.

- Please contact AVer technical support for assistance.

Unable to control the far end camera.

- Make sure the "Cam Ctrl" (2) icon is positioned on the screen you want to control. Press "Far/Near" (1) button on the remote controller to switch to the desired screen.
- Make sure the far site has enabled the "Far End Camera Control" setting. To enable this function, press "Home" button and got to General Setting | Administrator and then select "Far End Camera Control".

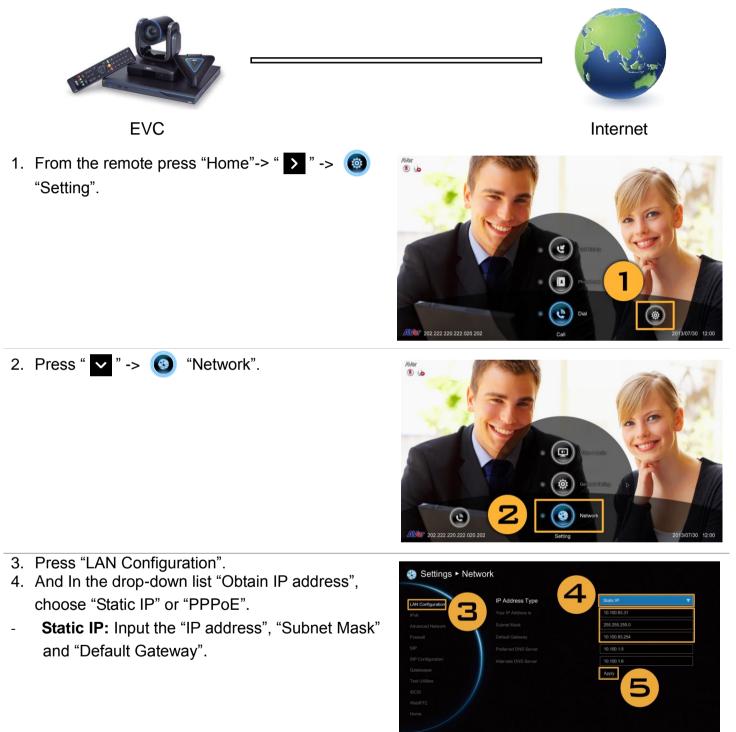
AVer EVC cannot detect the USB device.

- Unplug and plug the USB flash drive again and wait for 10 to 15 seconds for the system to re-detect the new USB device.
- We do not recommend using an external HDD; it may cause system errors or recording failures.

Scenarios for LAN Connection

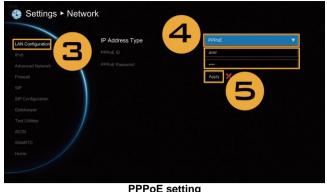
Public IP Configuration (Outside of Firewall)

Your EVC system is connecting directly to the internet.



Static IP setting

- PPPoE: Input the PPPoE login "User name" and _ "Password".
- 5. Select "Apply" and press 🕗 (Enter).
- 6. Press "Home" on the remote to return to the home menu.
- 7. Press the **L** (Call) button on the remote and you are ready to make your first call.



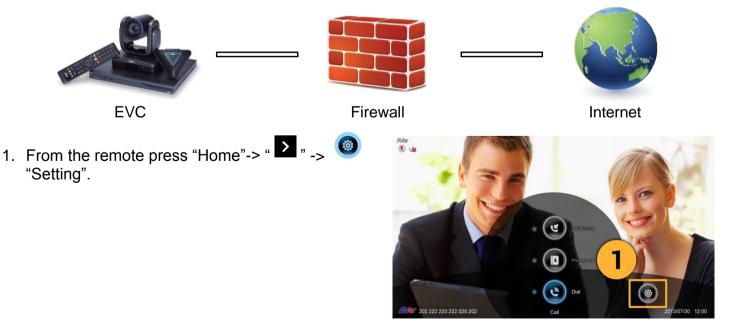
PPPoE setting

Private IP Configuration (Behind Firewall with Port Forwarding)

Please make sure you have set the following ports in port forwarding in your firewall.

Port	Function	Туре
1719	Gatekeeper	UDP
1720	H.323 Call setup	ТСР
30000~30850	Control and media for audio, video, content, and data/FECC	TCP and UDP
80, 443	HTTP/HTTPs Interface (WebTool), EZDraw	ТСР
23	Telnet	ТСР
5060 5061	SIP	TCP and UDP TCP
10443	WebRTC	ТСР
50000, 50001	ScreenShare, VCLink	ТСР

Your EVC system is connecting to the internet through a firewall.



2. Press " 🗸 " -> 💿 "Network".

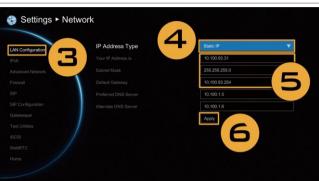


- 3. Press "LAN Configuration".
- 4. And In the drop-down list "Obtain IP address", choose "Static IP", "DHCP", or "PPPoE".
 - **Static IP:** Input the "IP address", "Subnet Mask" and "Default Gateway".
 - **DHCP:** Configure the system to automatically obtain an IP address from the DHCP server.

LAN Configuration			
1946			
Advanced Network	Subnet Mask		
	Default Gateway		
	Preferred DNS Server		
	Alternate DNS Server		
		Apply	

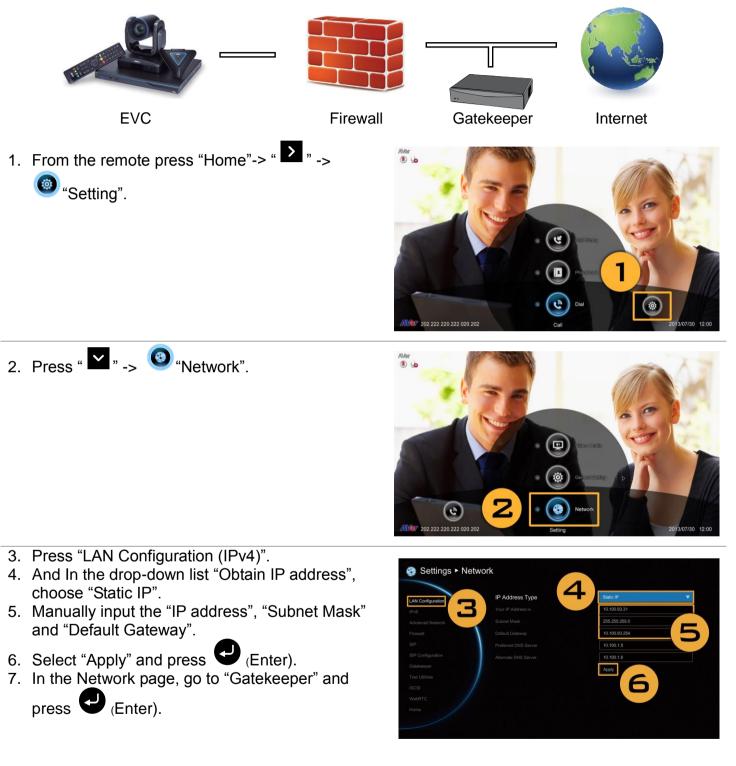
- 5. Select "Apply" and press 🕗 (Enter).
- Press (Back) on the remote to return to previous menu. (If you have H.323 ALG enabled, skip to step 9).
- 7. In the Network page, go to "Firewall" and press
 - (Enter).
- Select "ON" in the NAT check box and enter the IP address in the "NAT Public (WAN) address" field.
- 9. Press the "Home" button on the remote to return the home menu.
- 10. Press the Call button on the remote and you are ready to make your first call.





H.460 Gatekeeper with Firewall Traversal

Your EVC system is connecting to the internet through a firewall and you have a Gatekeeper outside the firewall.



- 8. Enter the IP address of your Gatekeeper in the "Gatekeeper IP Address" field and enable the "Use Gatekeeper" check box.
- 9. Enable the "Enable H.460 firewall Traversal" option.
- 10. Press the "Home" button on the remote to return the home menu.
- 11. Press the **S** (Call) button on the remote and you are ready to make your first call.

Advanced Network	UDP Ports	30000	
	Eriable UPnP		
SIP Configuration	Enable H.239 Hole Punching		
	NAT Configuration	ON	×
	NAT Public (WAN) Address		