

# User Manual

Color Video Door Phone CAV-70GA



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**COMMAX Co., Ltd.**



- Thank you for purchasing COMMAX products.
- Please carefully read this User's Guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.



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# 1. Safety Warning & Caution

Please follow the things described below in order to prevent any danger or property damage.



## Warning

It may cause a serious damage or injury if violated.



## Caution

It may cause a minor damage or injury if violated.



Prohibition.



No disassembly



No touch



Must follow strictly.



Shows plugging out the power cord without an exception



Shows the warning and caution for an electric shock.



Shows the warning and caution for a fire.



## Warning

### Power & Installation

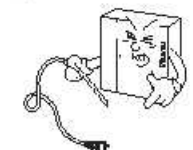
Please don't use several products at the same time on one power socket.

- It may cause a fire due to an abnormal overheating.



Please don't bend the power cable excessively or it may cause an electric shock.

- fire when using a damaged power cable.



Please don't handle the power cable with a wet hand.

- It may cause an electric shock.



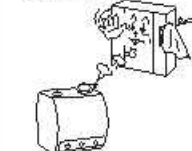
Please plug out the power cable from the socket when not using it for a long period of time.

- It may shorten the product lifespan or cause a fire.



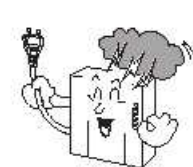
Please don't install the product in the place where there is much oil, smoke or humidity.

- It may cause an electric shock or fire.



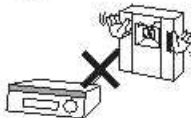
Please don't install the product with the lightning and thunder.

- It may cause an electric shock or fire.



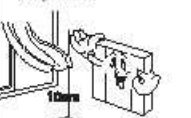
Please don't use and connect this product with other products with different rated voltage.

- It may cause a disorder or fire.



When installing the product that generates heat, please install the product away from the wall (10cm) for the ventilation.

- It may cause a fire due to the increased internal temperature.



## Warning

### Cleaning & Use

Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed).

- It may cause an electric shock or fire.



If an abnormal sound, burning smell or smoke is coming out of the product, please plug out the power cable and contact a service center.

- It may cause an electric shock or fire.



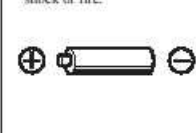
Please don't insert any metallic or burnable materials into the ventilation hole.

- It may cause an electric shock or fire.



Please use only the designated batteries for the products of using DC power.

- It may cause an electric shock or fire.



## Caution

### Power & Installation

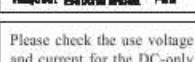
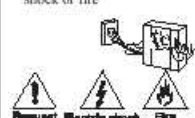
Please plug the power cable firmly into the inner end.

- It may cause a fire.



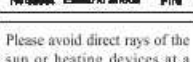
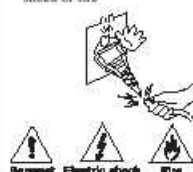
Please hold the plug tightly when unplugging the power cable (a part of the copper wire may be disconnected if the grabbing is only made on the cord when pulling out the cable).

- It may cause an electric shock or fire.



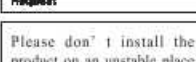
When connecting the power cables after cutting the cable, please install the product with power off.

- It may cause an electric shock or fire.



When installing the product, please fix it firmly while using the wall-mounting unit and screws.

- It may cause an injury from the falling object.



Please be careful when using an AC circuit breaker since there is a possibility of an electric shock.



Please check the use voltage and current for the DC-only products and use the appropriate rectifier.

- It may cause a fire.



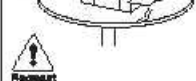
Please avoid direct rays of the sun or heating devices at a time of installation.

- It may cause a fire.



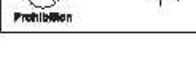
Please don't install the product on an unstable place or small support board.

- It may cause an injury if it falls down while in use.



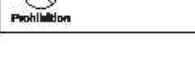
### Cleaning & Use

When cleaning the product, please rub it with a soft and dry cloth after plugging out the power cable. (Please don't use any chemical products such as wax, benzene, alcohol or cleanser.)



Please don't drop the product on the ground and don't apply a shock.

- It may cause a failure.



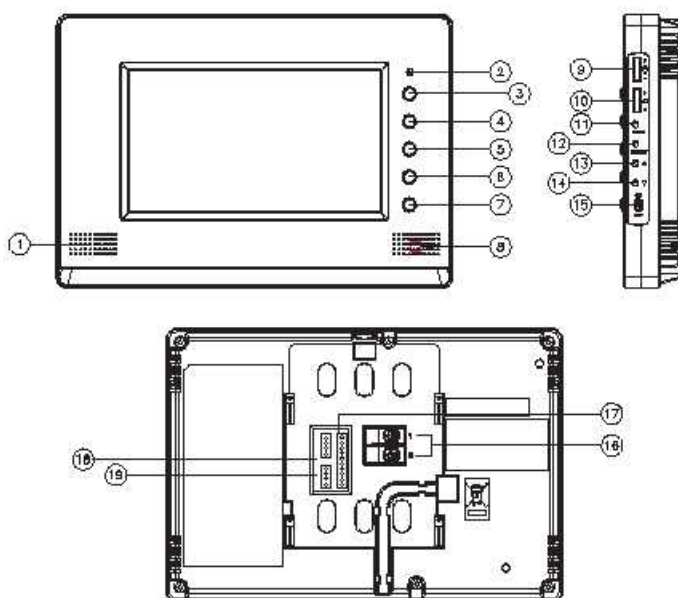
Please use the designated connection cable within the maximum calling distance designated for the product.

- It may reduce the product performance.





## 2. Part names & functions



No.	Description	No.	Description	No.	Description
1	Speaker	8	Microphone	14	DOWN button
2	Power indicator LED	9	Conversation volume control	15	Power switch
3	Monitoring button			16	Electric lock
4	Guard call button	10	Call volume control	17	terminal(N/A)
5	Talk button	11	MENU switch	18	Common lobby
6	Priority call button	12	SELECT button	19	Program Download
7	Door release button	13	UP button		Camera




- **Conversation volume control** : Control the voice level coming from the outside unit.
- **Call volume control** : Control the call sound level





## 3. Operating

### Instruction for use

#### ► Conversation with a individual entrance and lobby

1. Visitor' s image will be shown on the monitor with emitting chime sound when a visitor press the call button on the door camera at the entrance.
2. Press the talk (  ) button by watching visitor, and talk with a visitor (Screen is off after 60 sec automatically from the beginning of conversation)
3. When press the talk (  ) button after the end of talking with a visitor, Conversation mode will be turned into Standby mode.
4. To release the door lock during conversation, press the door release (  ) button.  
(In case of using the camera which is interlocked with Door released function)

#### ► Conversation with guard station

1. Press the talk button and guard call (  ) button in sequence. Conversation will begin when a guard station respond.  
(Conversation is not available while a guard station is in use.)
2. Melody announcing the call will be emitted when monitors have a call from the guard station.
3. Visitor' s image will be shown on the monitor with lower chime when it has a call during in conversation with a guard station. Press the talk (  ) button to end the call with a guard station and press the call button again to begin the conversation with a visitor. (There is another way to change conversation mode with monitoring button.)
4. Calling sound will be emitted through the speaker on the monitor when you have a call from a guard station during in use. Press the talk button for finishing conversation with the lobby first and press the talk button again to begin conversation. (Guard call button is another way to change conversation mode)

**Note :** Be sure to press the talk button right after finishing the conversation with a visitor or a guard station.

## ► Priority talk( )

In order to block the noise coming from the lobby during conversation, you can mute those sound with Priority button for more clear conversation.

## ► Initializing the product

- Initializing the product will be executed by pressing the Priority talk and Door release button at the same time for 3 seconds.

※ Caution: Monitor and household setting will be also initialized when initializing the product.

## ► LED indication (GREEN LED)

1. Call or monitoring : LED blinks
2. Stand by / On use : LED ON

## ► Monitoring

1. In case both lobby and individual cameras are installed

Click the monitor button once in standby mode to check the images from Individual camera. Click the button twice for Lobby images and three times for returning to standby mode. (Note. it is not available during the talk)

2. In case only lobby camera is installed.

Click monitor button once in standby mode to check the images from lobby and click the button twice to return to standby mode

## ► SETUP

1. Press the MENU button in use of conversation or monitoring, then displaying the setting menu below.

- VIDEO ADJUST : Brightness/Contrast/Color



- INFORMATION : Verifying product name & operating software version



2. Press the MENU button for more than 3 seconds in standby mode, then displaying the setting menu below.

- HOME SET : Input information of household



- INFORMATION : Verifying product name & operating software version

- **Use 4 function keys positioned right side of the product**

Finishing Menu : MENU

Select or Input : SELECT

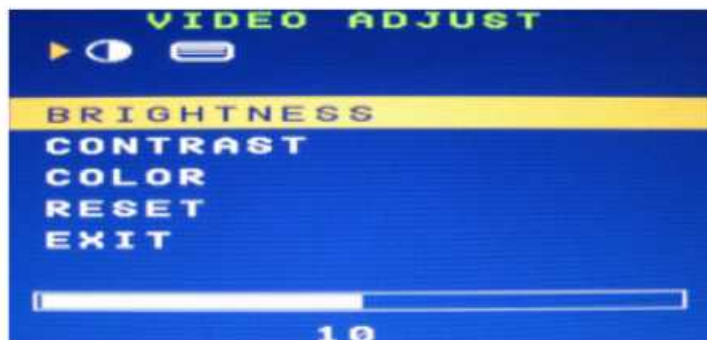
Move upward / rightward : △

Move downward / leftward : ▽



## ► VIDEO ADJUST (Calibrating display setting)

Move to VIDEO ADJUST menu with  $\triangle$ ,  $\nabla$  button and press the SELECT button.



1. BRIGHTNESS : Adjustable from 0~20, default: 10
2. CONTRAST : Adjustable from 0~20, default: 10
3. COLOR : Adjustable from 0~20, default: 10
  - ※ Adjusting Brightness/Contrast/Color
    - 1) Move to the desired menu with  $\triangle$ ,  $\nabla$  button
    - 2) Press the SELECT button to enter the menu. (Adjusting level bar is shown)
    - 3) Adjust the values with  $\triangle$ ,  $\nabla$  button
    - 4) Press the SELECT button to return to menu
4. RESET display setting : Initializing Brightness/Contrast/Color value  
Initialization of display setting is begin after confirmation of this process.
  - ※ Caution : Adjusting display setting and initializing the system is applied to connected devises separately. (DOOR / LOBBY )
5. EXIT : Finish the setting menu with SELECT button.

## ► INFORMATION (Verifying product name and software version)

Product name and software version can be seen at INFORMATION menu by moving with  $\Delta/\nabla$  button.



1) Model : Product name [CAV-70GA]

2) Version : Software version

(Firmware version could be different from the version on the user manual)

3) Video : Video format type(PAL / NTSC)

4) Video IN : Currently input device(DOOR / LOBBY)

※ Note : Current status of Video/Video IN subject shall be shown when there is incoming signal from the connected items.

(This is not shown on the INFORMATION in HOME SET menu)

## ► HOME SET (Input information of household)

Move to HOME SET menu with  $\Delta$ ,  $\nabla$  button and press the SELECT button to enter.

Move to desired item with  $\Delta$ ,  $\nabla$



## 1. Building/Household number setting (HOME No. Set)

This menu is to set the HOME No. You can see information of current household in this.

※ Caution : Default value is 1234 - 5678

2) Press the SELECT button the change the value.



3) Input the value with  $\Delta/\nabla$  button and SELECT button from the 1 digit.

: Default on household number is 8 digit numbers. Blanks are marked with 0.

(ex : Building no : 101 Household no. : 1 ( 0101 – 0001)

➔ Wrong number can be modified with  $\triangleleft$  button.

4) Household number is changed when finish inputting 8-digit number.

## 2. Changing password for common lobby access

1) Move to Password subject and press the SELECT button to enter the mode.

2) Input desired number with  $\Delta/\nabla$  and SELECT button.

(When register 4-digit number, it will be changed automatically to new number.)

(Default value : 1234)

※ Caution : Be sure to use same number for security aspect.

(0000 and 1234 is not usable for password for security reason)

## 3. LOBBY ID : Select the lobby phone that will do the minitoring when multiple lobby phones are connected.

(LOBBY ID select function is available from version 3.1)

1) Click SELECT button to move to LOBBY ID menu by using  $\Delta/\nabla$  button.

2) Click SELECT to select the item.(Current setting will be displayed: Default 01)

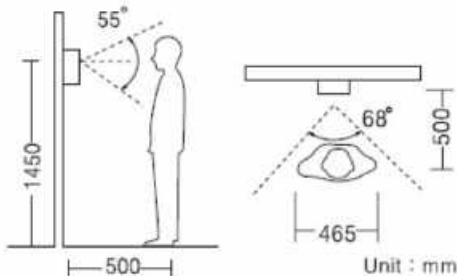
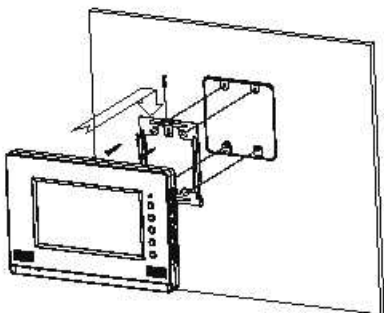
3) Input 01~39 numbers( LOBBY ID that will carry out monitoring) by using  $\Delta/\nabla$  buttons.

4) Click SELECT button to complete the setting.

## 4. EXIT : Press the SELECT button to end the setting menu.

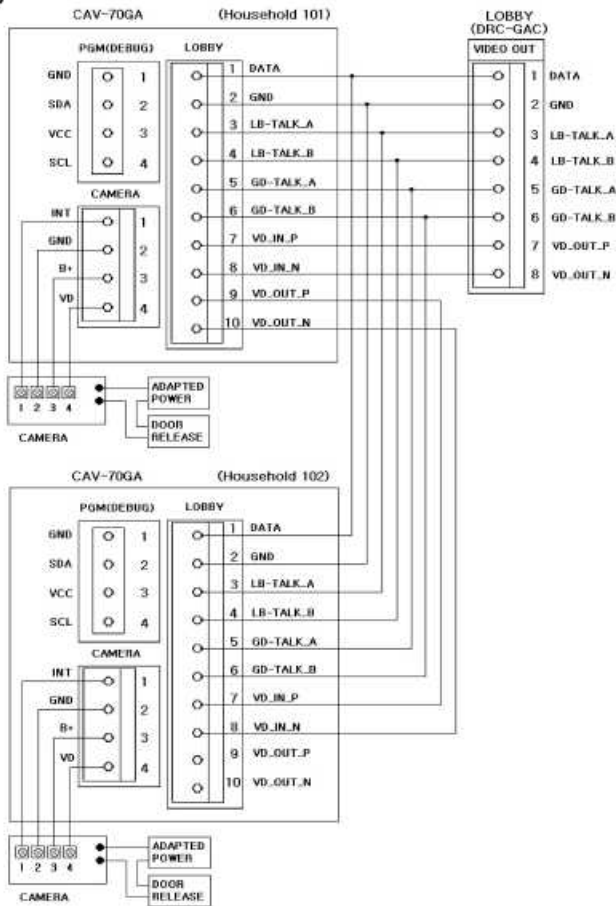


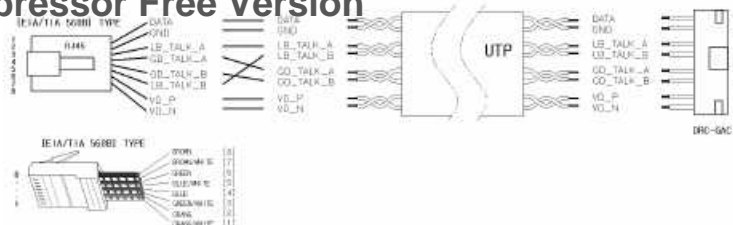
## 4. Installing and wiring



Suitable position for monitor

### Wiring

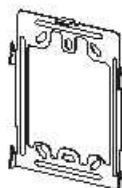




## 5. Contents



Monitor



Wall Bracket



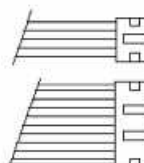
Manual



T4 X 18  
Wall bracket  
Mounting Screw



M3 X 6  
Monitor  
Fixing Screw



Connector  
(4P X 1pc, 10P X 1pc)



## 6. Specification

Spec	Model	CAV-70GA
Wire		CAMERA - 4wires, LOBBY – 8wires
Power source		100-240V~, 50/60Hz (FREE VOLTAGE)
Power consumption		MAX : 15W, Stand-by : 4W
Conversation		HANDS FREE (Voice Switch circuit)
Display		7" COLOR TFT-LCD (DIGITAL)
Calling sound		Entrance : Electric chime 3 tone melody, 2 times Guard station : Melody
Talk duration		Standby :30 sec, Conversation : 60 sec Guard station : 3 min
Distance (Ø0.65)		Entrance : 50m (Ø0.65) Common lobby : 300m (UTP) Guard station : 1Km
Working Temperature		0℃~40℃
Dimension		243X168X35mm



## 7. Trouble shooting

\* If you think that the product has trouble, please first check below contents before you ask a repair.

Troubles	Check Point	Actions
<ul style="list-style-type: none"> <li>• The power supply is not on.</li> <li>• All works are stopped</li> </ul>	<ol style="list-style-type: none"> <li>1.The power supply cord is missing or not.</li> <li>2.The power supply switch (down) is off or not.</li> </ol>	<ol style="list-style-type: none"> <li>1. Please connect the power supply cord</li> <li>2. Please turn on the power supply switch (down) pushing to the right.</li> </ol>
<ul style="list-style-type: none"> <li>• A Call operation is not performed. (Door, Interphone function)</li> </ul>	<ol style="list-style-type: none"> <li>1.The wiring between other units is connected correctly in good order or not.</li> <li>2. The wiring is missing or not.</li> </ol>	<ol style="list-style-type: none"> <li>1. Please refer to connection related page and manage.</li> <li>2. Please connect correctly to the terminal.</li> </ol>
<ul style="list-style-type: none"> <li>• The product does not produce the sound. (Call volume, Talk volume)</li> </ul>	<ol style="list-style-type: none"> <li>1. A sound volume lies in minimum or not.</li> </ol>	<ol style="list-style-type: none"> <li>1. Please adjust the sound volume properly turning to the up, as you want.</li> </ol>
<ul style="list-style-type: none"> <li>• The screen is dark.</li> <li>• The screen is strange.</li> </ul>	<ol style="list-style-type: none"> <li>1. There is a strong reflected light behind the visitor or not.</li> <li>2. The screen control is adjusted correctly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Please change the angle of camera lens.</li> </ol>



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