

Since 1968

**COMMAX**  
SmartHome & Security

# User Manual

COMMAX LOBBY PHONE DRC-703S



[www.commax.com](http://www.commax.com)

**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.

## Greetings

- Thank you for choosing COMMAX.
- Please read this manual carefully before you use the product.

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# 1. Warnings and caution

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

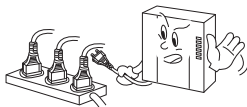
	<b>Warning</b>	It may cause a serious damage or injury if violated.		Prohibition.
	<b>Caution</b>	It may cause a minor damage or injury if violated.		No disassembly
				No touch
				Must follow strictly.
				Shows plugging out the power cord without an exception
				Shows the warning and caution for an electric shock.
				Shows the warning and caution for a fire.

## Warning

### Power & Installation

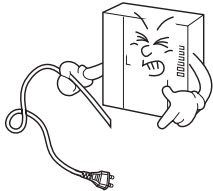
Please don't use several products at the same time on one power socket.

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



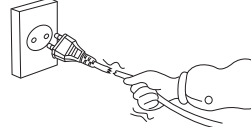
Please don't bend the power cable excessively or it may cause an electric shock.

- fire when using a damaged power cable.



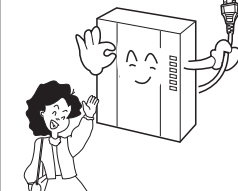
Please don't handle the power cable with a wet hand.

- It may cause an electric shock.



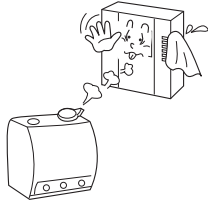
Please plug out the power cable from the socket when not using it for a long period of time.

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



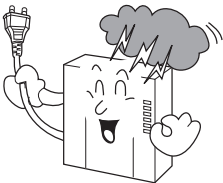
Please don't install the product in the place where there is much oil, smoke or humidity.

- It may cause an electric shock or fire.



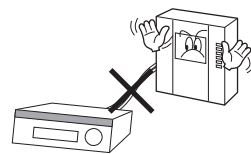
Please don't install the product with the lightning and thunder.

- It may cause an electric shock or fire.



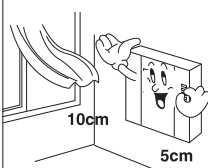
Please don't use and connect this product with other products with different rated voltage.

- 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.



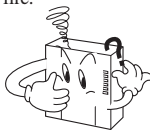
No disassembly



Electric shock Fire Unplug

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.

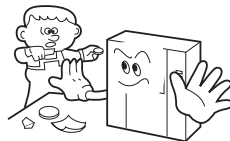
- It may cause an electric shock or fire.



Electric shock Fire

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

- It may cause an electric shock or fire.



Prohibition Electric shock Fire

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

- It may cause an electric shock or fire.



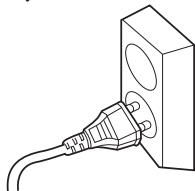
Request

## ! Caution

### Power & Installation

Please plug the power cable firmly into the inner end

- It may cause a fire.



Request 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).

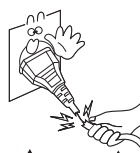
- It may cause an electric shock or fire



Request Electric shock Fire

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

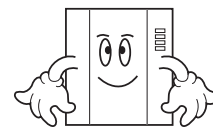
- It may cause an electric shock or fire



Request Electric shock Fire

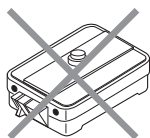
When installing the product, please fix it firmly while using the wall-mounting unit and screws.

- It may cause an injury from the falling object.



Request

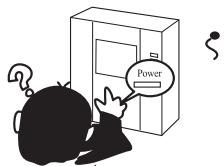
Please be careful when using an AC circuit breaker since there is a possibility of an electric shock.



Request Electric shock

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

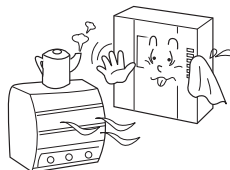
- It may cause a fire.



Request Fire

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

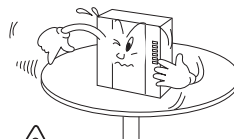
- It may cause a fire.



Request Overheating 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.



Request

### Cleaning & Use

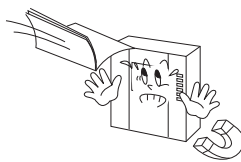
When cleaning the product, please rub it with a soft and dry cloth after plugging out the power cable. (Please don't use any chemical products such as wax, benzene, alcohol or cleanser.)



Prohibition

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

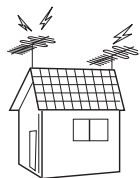
- It may cause a failure.



Prohibition

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

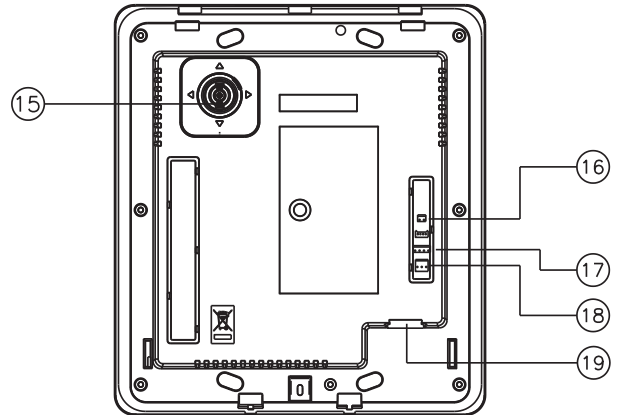
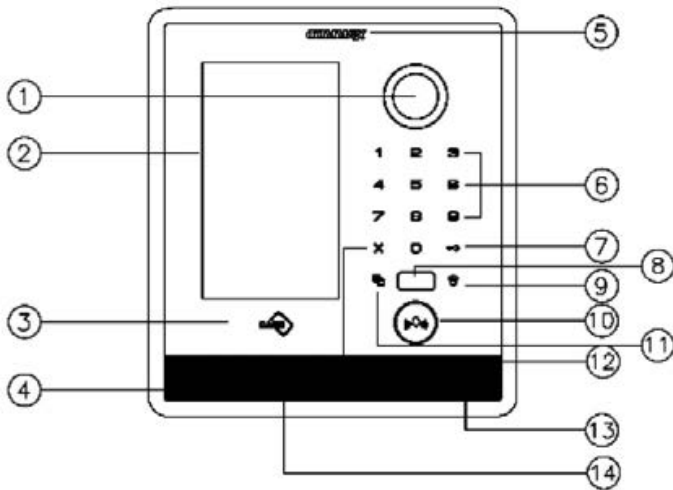
- It may reduce the product performance.



Request



## 2. Part names



①	Camera
②	LCD
③	RF CARD Receiver
④	Mike
⑤	LED
⑥	Number Key Button
⑦	Electric Key Button(in case of input the password)
⑧	Proximity IR Sensor
⑨	Security Button
⑩	Call Button










⑪	Program Button
⑫	Cancel Button
⑬	Speaker
⑭	Reset
⑮	Camera Adjustment Part
⑯	DC 14V
⑰	RS-485/Zigbee
⑱	Switch Connection (NO,NC)
	LAN PORT

## 3. Main Screen Setting

### • Main Screen





### • Status

Icon	Description	Icon	Description
	Lan Connection		Registered server status
	Display out post lobby phone		Not Registered server status
	Display building lobby phone		Local Server connection status
	Display Video Codec(MPEG-4)		Display Video Codec(H.264)
	RF Card Data save status		



## 4. Security Call

- ① Push  (Security Guard Post) Button
- ② Push  (Call) button
- ③ Call sound is ringing and call Security Guard Post.
- ④ Call Security Guard Post when guard answer call. (Time: 1 min.)
- ⑤ Press "X" button when terminate call.
- ⑥ Security Guard push 'Open door' button, 'Door is open" voice comment then door is open.
- ⑦ If line is busy, call it later.



Picture1. Call security Guard

※ This is to call up the registered guard stations in advance by a manager




## 5. Call house

- **Communication call between residence**

When building number is set in advance : When building No. already registered to Call Prefix



Picture2. Screen for registering house No.


- ① Input unit No. to key board.  
Ex) Unit 101 → input '101'
- ② Push  (call) button.
- ③ Ringing call sound and call unit.
- ④ When tenants answer call, calling is on. (Max. time: 1 min)
- ⑤ Press "X" button when terminate call.
- ⑥ Tenant push 'Open door' button, "Door is open" voice comment then door is open



When building number is NOT set in advance :  
When building number hasn't been registered Call Prefix yet.



Picture3. Building house No. register screen

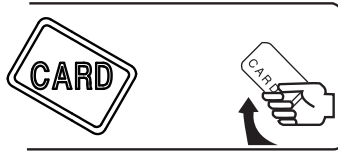
- ① Input Building No. to key board.  
Ex) Building 101 → input '101'
- ② Input unit No. to key board.  
Ex) Unit 101 → input '101'
- ③ Push  (call) button.
- ④ Ringing call sound and call unit.
- ⑤ When tenants answer call, calling is on. (Max. time: 1 min)
- ⑥ Press "X" button when terminate call.
- ⑦ Tenant push 'Open door' button, "Door is open" voice comment then door is open



## 6. Access authorization

### • Opening the entrance with RF card.



- ① Tag RF card to 'Card tagging window'.
- ② The common entrance get be opened with a vocal message, "Door opens" when the access is successful.
- ③ The entrance does not be opened when the access fails with sound.



Picture4. Tag RF-Card



### • Access by PIN No.

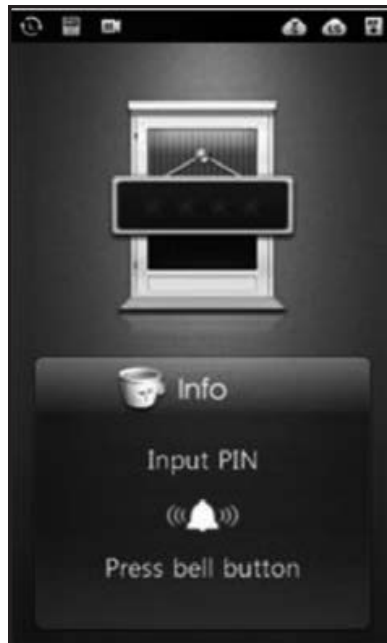
Building Number designated case : Building Number designated in Call Prefix

- ① Input unit No. through key board.
- ② Push  (Key) button.
- ③ Input designated house PIN No.
- ④ Push  (call) button.
- ⑤ If access authorization is successful, Door is open with "Door is open" voice message.
- ⑥ If access is failed, warning sound is activated.

Building Number is not designated case :

Building Number is not designated in Call Prefix



- ① Input Building No. through key board.  
EX) Building 101 → Input 101
- ② Push  (call) button.
- ③ Input unit No. through key board.  
Ex) Unit 101 → Input 101
- ④ Push  (call) button.
- ⑤ If access authorization is successful, Door is open with "Door is open" voice message.
- ⑥ If access is failed, warning sound is activated.



Picture5. Input password (PIN)

- **Use password for accessing when system is OFF-Line**



(No connection with Local server)

- ① Push  (Key) button.
- ② Input PIN number.
- ③ Push  (call) button.

※ Please, should delete OFF-LINE PIN number when On-Line mode is activated



- **Use password for accessing when system is ON-Line**

(When connected with Local server)







- ① Push  (Key) button.
- ② Input Administration Pin number
- ③ Push  (call) button.

## 7. Set up

### • Set up

1. Push  button.
2. Input PIN number.
3. Push  (call) button.

※ We recommend user change initial password (0000) then use products for security.

※ Initialize password :  + "0000" +  +  +  +  + 

### • button map



※ “●” is DOT (.) for IP address typing.

### • Set up menu

#### 0 : Set Network+

- 0 : IP address: (Input IP address)
- 1 : G/W address (Input Gateway address)
- 2 : DNS address (Input DNS address)
- 3 : Net mask (Input network mask)

#### 1 : Set VoIP+

- 0 : SIP Server (Input SIP server address)
- 1 : Guard ID (Input Security Guard Post)

## 2 : Management+

- 0 : Server address (Input Local server address)
- 1 : Update address (Input update server address)
- 2 : System ID (Input DRC-700S serial No.)
- 3 : Call Prefix (Set building)

※ If there is no building information in set up, automatically pop up for building information when call house.



### 4 : Call Line+

- 0 : Min Call Line (Input call Min. line)
- 1 : Max Call Line (Input call Max. line)

※ Attention : If Min Call Line is bigger than Max Call Line, you can't call it.

### 5: Position (Set DRC-703S location)

※  button is for upper ground,  button is for underground.

Ex) When user set first floor after pushing  button, "1" is displayed and pushing  button, "B1" is displayed.

※ If do not set 1st floor, automatically 1st floor will be set.

## 3 : Audio/Video+

### 0 : Audio+

- 0 : Guard Spe. Vol. (Control speaker volume when communicate with house)
- 1 : Guard Mic Vol. (Control Mic. volume when communicate with house)
- 2 : Guard Spe. Vol. (Control speaker volume when communicate with guard)
- 3 : Guard Mic Vol. (Control Mic. volume when communicate with guard)
- 4 : Gener Number Speech (Voice guide activation when press number button)
  - 0: No (inactivated)
  - 1. Yes(activated)
- 5 : Key Sound (Select button sound)
- 6 : Ring Sound (Select call sound)
- 7 : Key Vol. (Select button volume)
- 8 : Ring Vol. (Select call volume)
- 9 : Effect Vol.(Select effect volume)
- 10: Initialization (Initialize audio)

※ Initialize all setting value from Audio menu.

### 1: Video:+

#### 0: Quality (Set visitor video quality)

※ Increase to 384K/800K/1M/1.2M order (increase video quality). However, video data is also increased. If video quality is not good such as broken video, please, set lower video quality.

- 1 : Brightness (Control Video Brightness )
- 2 : Contrast (Control Video Contrast)
- 3 : Saturation (Control Video Saturation)
- 4 : Hue (Control Video Hue)
- 5 : Initialization (Initialize Video)

※ Initialize all setting value from Video menu.

#### **4 : Extra Config+**

0 : Language (Select language)

1 : Skin Theme

0 : Auto

※ Automatically change Skin Theme once a day or after booting.

1 : Flip Clock

※ Set up Skin Theme to Flip Clock Type.

2 : Red Clock

※ Set up Skin Theme to Red Clock Typ.

3 : Green Clock

※ Set up Skin Theme to Green Clock Type.

4 : Black Clock

※ Set up Skin Theme to Black Clock Type.

2 : Set Time+

0 : Door Open Time (Gate Open time)

※ Select between 2sec., 5sec., 10sec., 15sec., 20sec., 25sec.

1 : Sleep Mode Time (LCD Sleep Mode setting)

※ Select between 30sec, 1 min. 2 min. 3min, 4min, 5min

2 : Key Time Out

※ Select between 10 sec, 20 sec, 30 sec

3 : ADC Sensor (Change approach sensor and range.)

※ Range should be small when face to direct sun-ray.

0 : [ ] 0.2V

1 : [ ] 0.3V

2 : [ ] 0.4V

3 : [ ] Unused

4 : Change Password

※ Push  button for deleting previous password.

5 : Off-Line Password (In put Off-Line password)

※ Push  button for deleting previous password.

※ Initial Off-Line password is “123456”.

6 : Reboot: (System rebooting)

7 : System Reset (Initialize all setting and back to factory setting)

※ Do not initialize IP after changing IP address.

#### **5 : Database+**

0 : Password Down. (Download house password)

1 : RF-Card Down. (Download RF-Card Data)

2 : Password Del. (Delete house password)

3 : RF-Card Del. (Delete RF-Card Datas)

#### **6 : System Info+**

0 : Version (Show software version)

1 : Boot (Display boot loader information)

2 : Kernel (Display OS information)

#### **7 : Test+**

0 : Test Door Open

1 : Test RF Card (Display RF card No.)

※ This function is for checking RF Card number.

※ Tag card to card reader when Reading status.

2 : Test Elevator (Test elevator call)

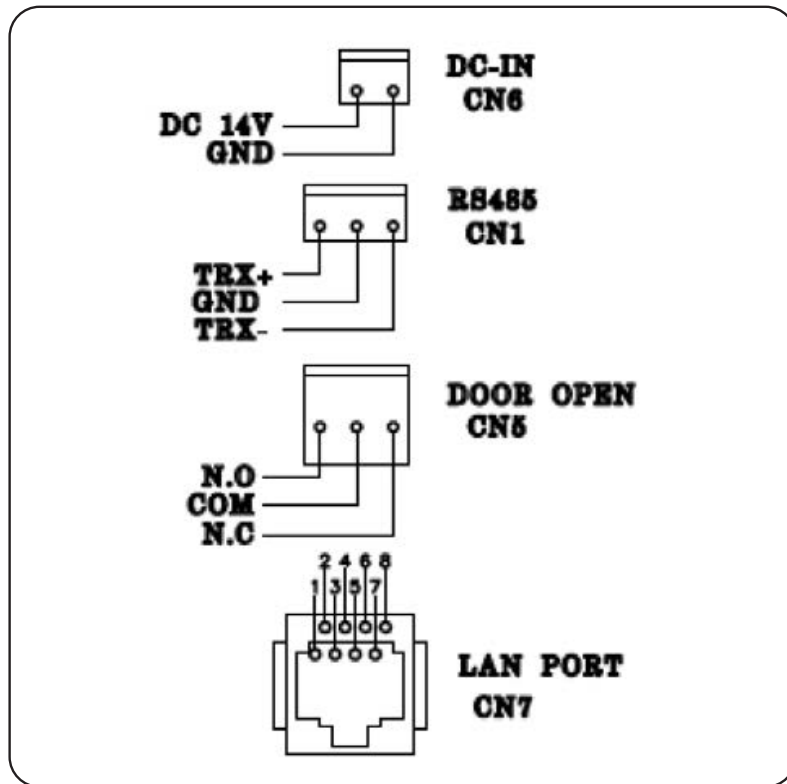
3 : Test Sensor (Display sensor value.)

4 : PTZ Camera(Unused)

5 : System Initialize (System Initialize.)



## 8. Wiring Diagram



※ Pay attention to check polarity when install lobby panel.





Memo

# **COMMAX**

**COMMAX Co.,Ltd.**

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513-11, Sangdaewon-dong, Jungwon-gu, Seongnam-si, Gyeonggi-do, Korea

Int'l Business Dept. Tel. : +82-31-7393-540~550 Fax. : +82-31-745-2133

Web site : [www.commax.com](http://www.commax.com)

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