Since 1968

COMMAX
SmartHome & Security

User Manual

CIOT-L8TM

https://aros.kz

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.

Table of Contents

Safety Warning & Caution ····· 2
1. CONFIGURATION ····· 4
2. Screen Setting ····· 5
  1.1. Initial Screen ····· 5
  2.1. Status Icon ····· 5
3. Guard Call ····· 6
4. Household Call ····· 7
  4.1. Call Among Household ····· 7
5. Entry Authorization ····· 9
  5.1. Entry with RF-Card ····· 9
  5.2. Entry with Password ····· 9
  5.3. Entry with Password In Case of off-Line ····· 11
6. Registration of Smart E-Key & Door Open ····· 12
  6.1. Registration of Smart E-Key ····· 12
  6.2. Open the Door at the Lobby. ····· 13
7. Name Search ····· 14
8. General Setting ····· 14
  Settings ····· 14
  How to use the Buttons ····· 14
  Menu of the Settings ····· 15
9. Web settings ····· 20
  9.1. System Info ····· 21
  9.2. Network Info ····· 22
  9.3. System Setting ····· 23
  9.4. Initialize the Password ····· 28
10. Wiring Diagram ····· 29
11. Specifications ····· 29

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.

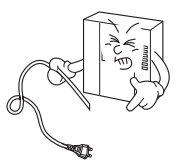
Warning

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.

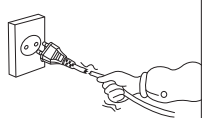
Prohibition Fire

Please don't bend the power cable excessively or it may cause an electric shock.
· fire when using a damaged power cable.



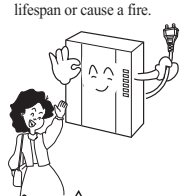
Prohibition Electric shock Fire

Please don't handle the power cable with a wet hand.
· It may cause an electric shock.



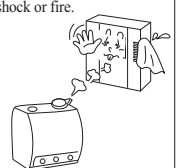
Prohibition Fire

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.



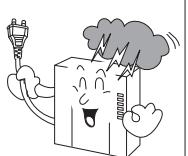
Request Fire

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.



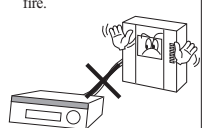
Prohibition Electric shock Fire

Please don't install the product with the lightening and thunder.
· It may cause an electric shock or fire.



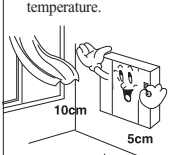
Prohibition Electric shock Fire

Please don't use and connect this product with other products with different rated voltage
· It may cause a disorder or fire.



Prohibition 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.

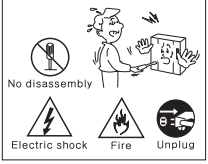


Prohibition Fire

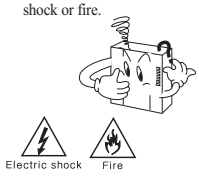
Warning

Cleaning & Use

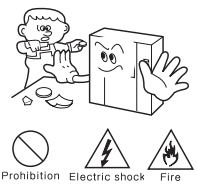
Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed.
· It may cause an electric shock or fire.



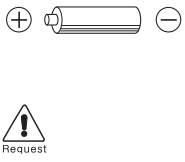
If an abnormal sound, burning smell or smoke is coming out of the product, please plug out the power cable and contact a service center.
· It may cause an electric shock or fire.



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.

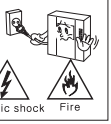


Caution

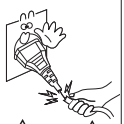
Power & Installation

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

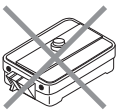


When connecting the power cables after cutting the cable, please install the product with power off
· It may cause an electric shock or fire



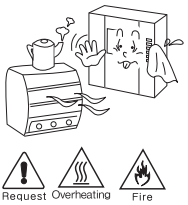
When installing the product, please fix it firmly while using the wall-mounting unit and screws.
· It may cause an injury from the falling object.

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

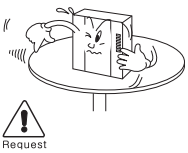


Please check the use voltage and current for the DC-only products and use the appropriate rectifier.
· It may cause a fire.

Please avoid direct rays of the sun or heating devices at a time of installation.
· It may cause a fire.

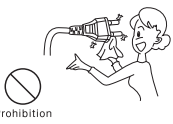


Please don't install the product on an unstable place or small support board.
· It may cause an injury if it falls down while in use.



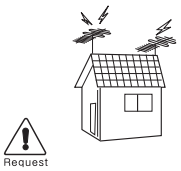
Cleaning & Use

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.)

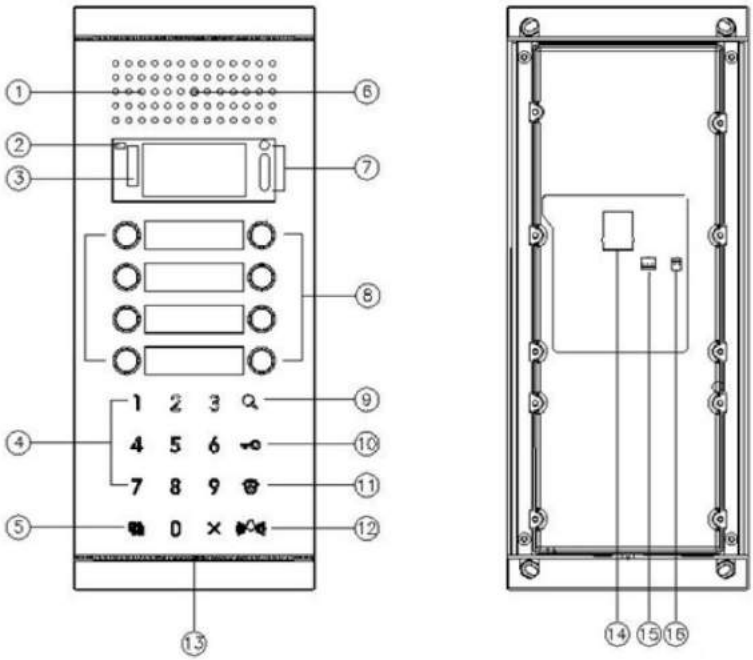


Please don't drop the product on the ground and don't apply a shock .
· It may cause a failure.

Please use the designated connection cable within the maximum calling distance designated for the product
· It may reduce the product performance.



1. CONFIGURATION



NO	NAME	NO	NAME
1	SPEAKER	10	ELECTRONIC KEY BUTTON
2	PROXIMITY SENSOR	11	GUARD CALL
3	RF CARD READER	12	CALL BUTTON
4	NUMERIC KEY BUTTON	13	MIC
5	PROGRAM BUTTON	14	LAN PORT
6	CAMERA	15	DOOR OPEN
7	LED	16	DC 14V
8	HOUSEHOLE CALL BUTTON		
9	NAME SEARCH BUTTON		

※ Proximity sensor

- OLED screen turns on automatically when a person approaches within a certain distance (1m).

※ Precautions for using proximity sensor

- If the outdoor temperature is below -20 ℃, the proximity sensor may not operate.

2. Screen Setting

1.1. Initial Screen

2.1. Status Icon

Icon	Description	Icon	Description
NET	LAN Connectivity	REG	Connected to Server
OUT	OUT-Door Lobby Phone	SIP	Unconnected to Server
DNG	Building Lobby Phone	LCS	Local Server Connectivity
Dat	RF-Card Data Storage status		
BLE	BLE Connectivity Stats		

3. Guard Call

① Press (Guard Station) Button
② Press (Call) Button.
③ Call Guard Station with Ring Sound.
④ When Guard Answers the Call, Talk to Guard (Talk Time: 1Minute)
⑤ Press "X" Button If you Want to Hang up.
⑥ When Guard Press "Door Open" Button, Door Open with "Door Open" Sound
⑦ If you Listen to "beEP" Sound, It Means the Line is busy. so, Please Call Later.

PIC.1. Guard Call

※ You can Call the Guard Which Was Registered by Operator.

4. Household Call

4.1. Call Among Household

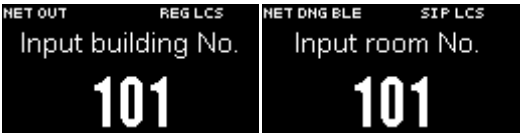
I. In Case Each Building No. is Registered :
Building No. Registered In Call Prefix

PIC.2. Household No. Registration Screen

① Enter Household No. In Keyboard.
Example) Household No. 101➔ Entry 101
② Press (Call) Button
③ Call the Household with Ring Sound.
④ When the Household Answers the Call, Talk to the Household (Talk Time: 1Minute)
⑤ Press "X" Button If you want to Hang up.
⑥ When Household Press "Door Open" Button, Door Open with "Door Open" Sound

II. In Case Building No. not Registered :

Building No. not Registered In Call Prefix



PIC.3. Building, Household No. Entry Screen

① Enter Building No. In Keyboard
Example) Building No. 101 ➔ Enter "101"

② Enter Household No. In Keyboard.
Example) Household No. 101 ➔ Enter "101"

③ Press (Call) Button

④ Call the Household with Ring Sound.

⑤ When the Household Answers the Call, Talk to the Household (Talk Time: 1Minute)

⑥ Press "X" Button If you Want to Hang up.

⑦ When Household Press "Door Open" Button, Door Open with "Door Open" Sound

5. Entry Authorization

5.1. Entry with RF-Card

① Put RF-Card on card Reader.

② If Authorized, Door Open with "Door Open" Sound.

③ If Unauthorized, It Sounds a Dull Warning Sound.

PIC.4. Putting RF-card

5.2. Entry with Password

I. In Case Each Building No. Registered :
Building No. Registered In Call Prefix

① Enter Password In Keyboard.

② Press (Key) Button.

③ Enter the Password of the Household No.

④ Press (Call) Button.

⑤ If Authorized, Door Open with "Door Open" Sound.

⑥ If Unauthorized, It Sounds a Dull Warning Sound.

II. In Case Building No. not Registered :
Building No. not Registered In Call Prefix

① Enter Building No. In Keyboard
Example) Building No. 101 ➔ Enter "101"
② Press (Call) Button.
③ Enter Household No. In Keyboard.
Example) Household No. 101 ➔ Enter "101"
⑦ Press (Key) Button.
⑧ Enter the Password of the Household No.
⑨ Press (Call) Button.
⑩ If Authorized, Door Open with "Door Open" Sound.
⑪ If Unauthorized, It Sounds A Dull Warning Sound

PIC.5. Entering Password

5.3. Entry with Password In Case of off-Line Condition (Not Connected to Local Server)

① Press (Key) Button.
② Enter the Password.
③ Press (Call) Button.

※ Under on-Line Condition (Connected to Local Server), This Function does not work.
※ Under on-Line Condition, User must Delete Password for off-Line Entry.

6. Registration of Smart E-Key & Door Open

6.1. Registration of Smart E-Key

① Memorize'Gate name' Indicated In the Screen top of LobbyPhone. (EX: Gatename 0106-47)
② Input Gate name In 'Building/Lobby number'
③ Input the number of Household (EX: 101)
④ Input Password to Access to the Building (Password for a Wallpad)
⑤ Enter the Button 'Registration'

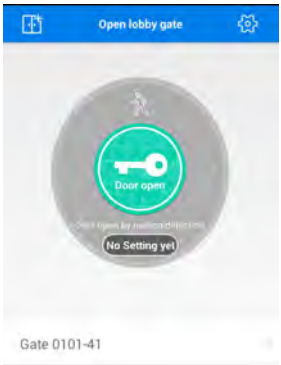
※ Precautions

1. Do not use the numbers '1234, 4321, 0000' as a Password for Wall pad.
2. Do not use the number '9999' for Building/Household number
3. The Maximum Quantity of E-Key Registration is 7 Keys. need to remove former E-Key to ADD.

6.2. Open the Door at the Lobby.

① Press the Button 'Door Open' In GREEN Color.

② the Door is Open after two Seconds.



※ Precautions

- In Case of Change or Deletion of Lobby Password, Please Register E-Key once again.

※ BLE Module name set-up

- BLE Module name will be Combined Call Prefix number with System ID.

  (EX) Call Prefix : 106, System ID : 40

  Gate (BLE Module name) : 0106-40

- BLE Function is not Available with Outdoor Lobby Phone

7. Name Search

① Press the Button (Name Search).

② Input the name on the Keypad.

③ Select the name you are Looking for by using up(Key) & down (Guard) Buttons.

④ Press the Button (Call) to Call the Household.

8. General Setting

Settings

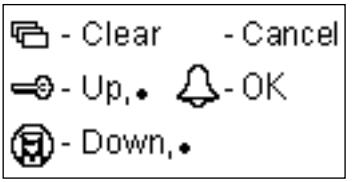
① Press the Button ..

② Input your Password..

③ Presee the Button (Call)

※ For Network Security, Please Change the Password for the First use. ※ Initialization of the Password: + "0000" + + + + +

How to use the Buttons



※When you Input the IP Address, use the Buttons and " . ".

Menu of the Settings

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 Guard ID)

2: Management+

0: Server Address (Input Local Server Address)

1: update Address (Input update Server Address)

2: System ID (Input Serial number of the Product)

3: Call Prefix (Setting Building number)

* In Case of No Input Building number, Input Screen will Automatically Appease.

4: Call Line+

0: Min Call Line (Input Minimum Call Line)

1: Max Call Line (Input Maximum Call Line)

* Caution : If Min Call Line is Higher than Max Call Line, It's not Possible to Call.

5: Position (Setting the Installation Place of the Product)

※ use the Button for Setting Aboveground and the Button for belowground.

EX) Press the Button to Indicate'1', the Button to Indicate'B1'.

※ If you Do not Input the Floor, the First Floor will be Automatically set.

※ In Case of Change of System ID and Call Prefix, BLE Module name will be Changed.

3: Audio/Video+

0: Audio+

0: General SPE. VOL. (Speaker Volume Control When Calling Household)

1: General MIC VOL. (Microphone Volume Control When Calling Household)

2: Guard SPE. VOL. (Speaker volume Control When Calling Guard)

3: Guard MIC VOL. (MICRO Phone Volume Control When Calling Guard)

4: General number Speech (Setting Voice Button of Building/Household numbers)

5: Key Sound (Setting Key Sound)

6: Ring Sound (Setting Ring Sound)

7. Key VOL. (Setting Key Volume)

8. Ring VOL. (Setting Ring Volume)

9: EFFECT VOL. (Setting Sound EFFECT Volume)

10: Initialization (Audio Initialization)

* all Settings In Audio Menu will be Initialization .

1: Video:+

0: Quality (Adjust Video Quality)

* Available to Adjust the Quality by 1M/2M/3M.

※ Date size Increases In Higher Quality.

1: Resolution

* 480P(640*480)/720P(1280*720)/1080P(1920*1080)

2: Initialization (Video Initialization)

* all Settings In Video Menu will be Initialization .

4: EXTRA Config+

0: Language (Select Language)

1: Skin theme

0: auto

* It Automatically sets once a day When Boots up Skin theme.

1: FLIP Clock

* Fix the Skin theme by FLIP Clock type.

2: RED Clock

* Fix the Skin theme by RED Clock type.

3: GREEN Clock

* Fix the Skin theme by GREEN Clock type.

4: BLACK Clock

* Fix the Skin theme by BLACK Clock type.

2: set Time+

0: Door Open Time

* 2, 5, 10, 15, 20, 25 SEC. Selection

1: Sleep MODE Time

* 30 SEC., 1, 2, 3, 4, 5 Min. Selection

2: Key Time OUT

* 10, 20, 30 SEC. Selection.

3:use 24-HOUR format

* Select the type of Time (24Houres)

3: ADC Sensor

0: Distance (Change the Range of Distance Measurement of ADC Sensor)

* In Case of exposed to Direct Sunlight, Distance will Shorten.

0:[ ] 100CM

1:[ ] 90CM

2:[*] 80CM

3:[ ] 70CM

4:[ ] 60CM

5:[ ] 50CM

6:[ ] 40CM

7:[ ] 30CM

8:[ ] Unused

1: Detection Hold Time

0:[ ] 200MS

1:[*] 300MS

2:[ ] 400MS

3:[ ] 500MS

4:[ ] 600MS

4: BLE Intensity

0:[ ] 1 step

1:[ ] 2 step

2:[ ] 3 step

3:[ ] 4 step

4:[*] 5 step

5:[ ] 6 step

6:[ ] 7 step

7:[ ] 8 step

5: Change PWD

* Please use the Button to Change the Password.

6: off-Line PWD (Enter the Password to Open the Door When offline)

* Please use the Button to Change the Password.

* Initial off-Line Password is 123456.

7: Reboot: (Operation System reboots)

8: System Reset (System is Reset to the Factory Settings)

* Changed IP is not Initialization .

5: Database+

0: Password down. (download Household Password)

1: RF-card down. (download RF-card Date)

2: Password DEL. (Delete Household Password)

3: RF-card DEL. (Delete RF-card Date)

6: System Info+

0: Version (software Version)

1: BOOT (BOOT LOADER Information)

2: KERNEL (OS Information)

7: Test+

0: Test Door Open

1: Test RF Card

* Check the number of RF-Card

* touch RF-Card to the RF-Card Reader

2: Test Elevator (TEST Calling Elevator)

3: ADC Sensor Test

4: Temp Sensor Test

* Check the Sensor In "DEFROSTER : on" MODE

5: Call Button Test

Call Button Test Reading... Panel : 0 Index : 1 Value : Unused	0 : Panel Index : 1 Setting Value "Unused"
Call Button Test Reading... Panel : 0 Index : 1 Value : 5678	0 : Panel Index : 1 Setting Household Calling "5678"
Call Button Test Reading... Panel : 0 Index : 8 Value : Guard	0 : Panel Index: 8 Setting Guard Calling

6: System Initialization

9. Web settings

It is Available to Access to the WEB System Inputting IP Address In Internet Browser.
(EX : http://10.254.1.17/login.php)

① Input the Password for the panel (Initial Password : 0000)
② Push the Button "login"

※ Computer and Lobby Phone should be Connected In the same Network.

9.1. System Info

9.1.1. Version Info

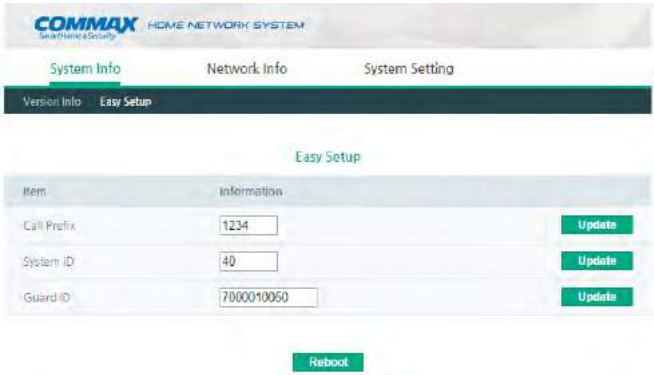
- Check the version of system

9.1.2. Easy Setup

- Call Prefix : Input the number of the Building

  * If you Do not Register the Building number, Date Input Screen will DisPLAY Automatically.

- System ID : Input Serial number of the Lobby Phone
- Guard ID : Input Guard ID



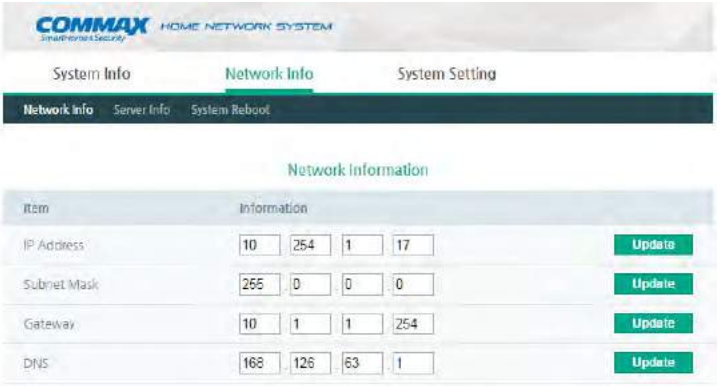
※ after Changing Call Prefix/System ID/Guard ID, Please Press the Button "update" of Each Item and Reboot the system.

9.2. Network Info

9.2.1. Network Info

- IP Address : Input IP Address
- Subnet Mask : Input Subnet Mask
- Gateway : Input Gateway Address
- DNS : Input DNS Address

  * after Setting all Information, Please Reboot the system.



9.2.2. Server Info

- Local Server : Input Local Server Address
- SIP Server : Input SIP Server Address
- Update Server : Input update Server Address

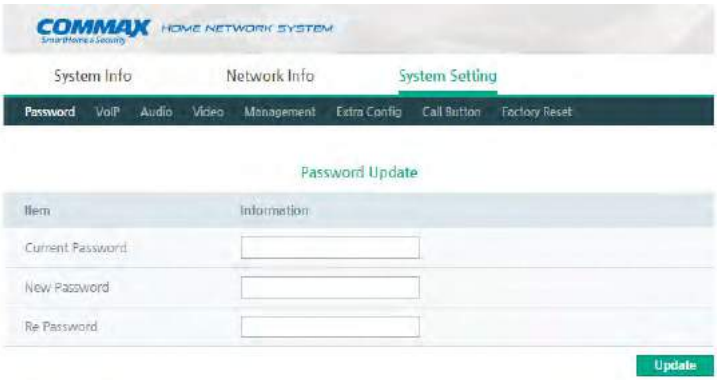
9.2.3. System Reboot

- push the Button "Reboot" for all Settings to be applied.

9.3. System Setting

9.3.1. Password

- Current Password
- New Password
- Re Password : Confirm new Password

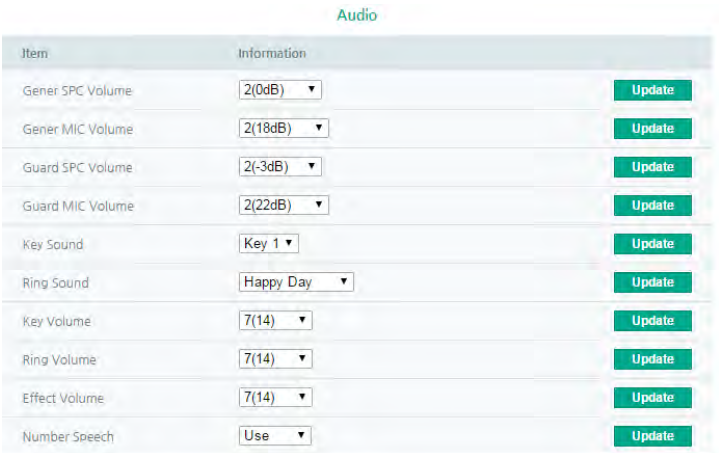


9.3.2. VoIP

- Guard ID : Input Guard ID

9.3.3. Audio

- General SPC Volume : Speaker Volume Control When Calling Household
- General MIC Volume : Microphone Volume Control When Calling Household
- Guard SPC Volume : Speaker Volume Control When Calling Guard
- Guard MIP Volume : Microphone Volume Control When Calling Guard
- Key Sound : Setting Key Sound
- Ring Sound : Setting Ring Sound
- Key Volume : Setting Key Volume
- Ring Volume : Setting Ring Volume
- Effect Volume : Setting Sound EFFECT Volume
- Number Speech : Setting Voice Button of Building/Household numbers



9.3.4. Video

- Video Quality : Adjust Video Quality

  * Available to Adjust the Quality by 1M/2M/3M

  ※ Date size Increases In Higher Quality

9.3.5. Management

- Call Prefix : Setting Household number
- System ID : Input the Serial number of the Product
- Call Min Line : Input Minimum Call Line
- Call Max Line : Input Maximum Call Line
- BLE Intensity : Setting BLE Intensity
- Proximity Sensor Distance : Setting the Range of Distance Measurement of ADC Sensor

* In Case of exposed to Direct Sunlight, Distance will Shorten.

- Proximity Sensor Hold Type : Setting Detection Hold Time

9.3.6. Extra Config

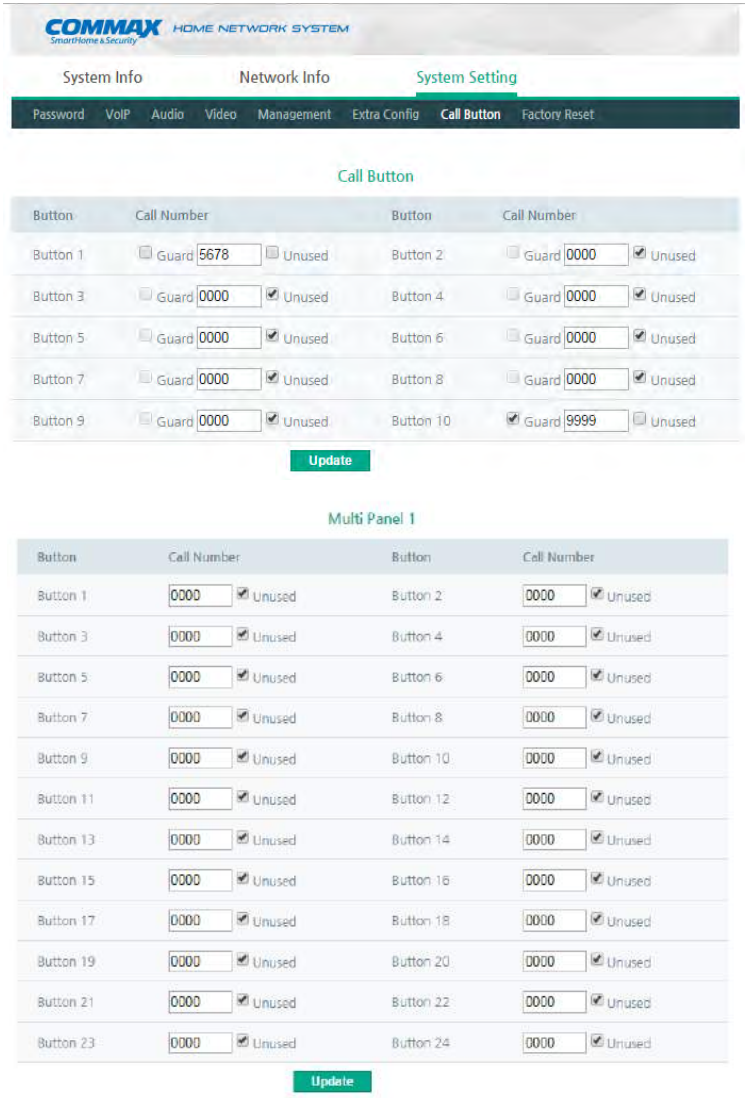
- Language : Setting Language
- Door Open Time : Setting Time for Door Open

  * 2, 5, 10, 15, 20, 25 SEC. Selection

- Sleep Mode Time : Setting Time of OLCD Sleep Mode
  * 30 SEC., 1, 2, 3, 4, 5 Min. Selection
- Key Time Out
  * 10, 20, 30 SEC. Selection
- Use 24-hour format : Select the type of Time (24Houres)
- Off-Line Password : Enter the Password to Open the Door When offline
  * Initial off-Line Password is 123456

9.3.7. Call Button

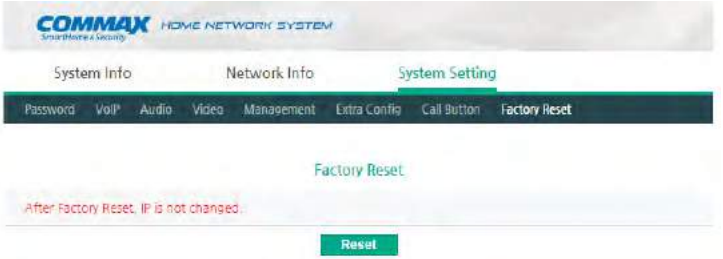
- Guard Setting : Available to set only one Button In the panel.
- Unused : not use the Button



9.3.8. Factory Reset

- System is Reset to the Factory Settings

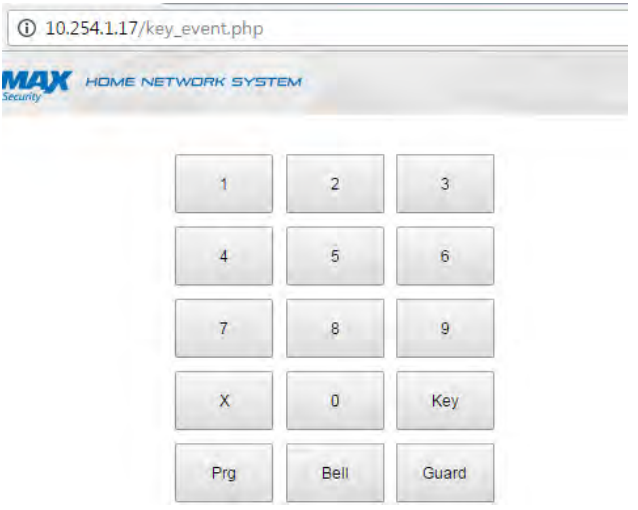
  * Changed IP is not Initialization .



9.4. Initialize the Password

- Input "Lobby IP/key_event.php" Into the WEB BROWSER.

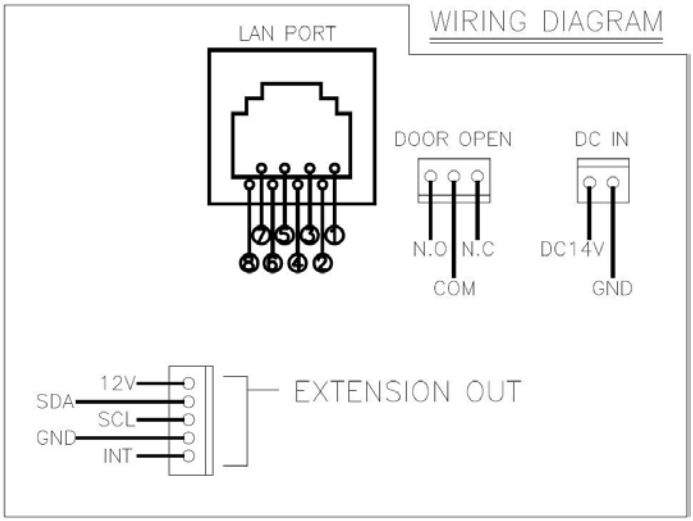
(EX : http://10.254.1.17/key_event.php)



※ Please Change the Initial Password(0000) for SAFETY.

※ How to Initialize : Prg + "0000" + Prg + Key + Guard + Prg + Bell

10.Wiring Diagram



11. Specifications

Model name / Specification	CIOT-L8TM
Transmission	TCP/IP
Voltage	DC14V/1.8A
Power Consumption	Max : 1.4A Standby :0.35A
Telecommunication	VoIP
Display	2.4" OLED
Video Format	H.264 / MPEG4
Camera Pixel	2.0 Mega Pixel
Call tone	Electric chime : 3 Melody 2 times
Temperature	Using : - 40° ~ 50 °