

## K6B LP-70D

### Lobby phone use and installation manual [for administrator]

- 7-inch color LCD
- Icon LCD
- 16 buttons of electrostatic touch method
- Register / delete RF card (13.56Mhz)
- Application of proximity and illumination sensor
- House call, talk and open
- Setting password for each house
- Guard phone calling, call and open
- Communication status display
- DVR video output function
- Button is visible at night
- Camera angle adjustment function
- Door striker (EM lock, ES lock) connection
- 8-line multi-house/ hub system interlocking
- K6B multi-house/ hub system interlocking
- LINE Hub (One UTP) System interlocking
- 2 Line STAR method Hub System interlocking
- K6B Line check mode
- Security Button Function



K6B LP-70D

This is a product that can be interlocked with 8 Line, K6B, LINE HUB or 2 Line STAR HUB SYSTEM. It is not compatible with other products.

Thank you very much for purchasing our product. Please read it carefully before use and be sure to keep it. Thank you



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# Cautions for safety

For safe use, please stick to the following cautions.

- Please, save this manual after reading these instructions carefully.
- Read and understand all instructions to set up rightly.
- This Cautions for Safety may include items that are not contained in specifications of the product that consumer purchases.
- If you need assistance with the set-up or operation, please contact with A/S center.

## The important marks in the manual.

To help our customers to understand this manual, to prevent any personal injury or property damage, some marks are used in the manual. The marks and the drawing signs are below. Please, understand the marks before reading the manual.

## The meaning of the drawing signs.

	Sign to show what not to do.		Mishandling the device with ignoring this sign may result in serious injury or death.
	Mishandling the device with ignoring this sign may result physical injury or material damage.		
	Sign to tell you that you should follow the instructions.		Sign to tell you that you need more attention including (high voltages, electric shock, danger, warning)
	Sign to tell you that you can't disassemble this unit.		Sign to tell you that you must unplug the unit.

## Caution

### Cautions for set-up

- The law limits distributing the power lines to an authorized person from government.
- The work from an unauthorized person cause fire or electric shock.
- Place this unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
- Do not set up this unit near the leaking place because it may expose you to dangerous voltages or other risks.
- Even if your product is water proof, do not install it slanted place of water leakage, which can a short circuit.
- Fix the product on the wall safely according to the installation guideline to prevent any damage or injury.

- The work of distributing wires needs skills and experiences. So please, for assistance, contact your dealer or call service center.
- The communication lines should be built in being distant from the power source.



- This may result in the risk of fire, electric shock and communication disorder.
- Setting the communication lines in a high humid place such as outside without any protection from rain causes the communication disorder.
- Keep the hook at the wall-mounted device safe. The hook may cause the physical injury.
- Think about the thickness and quality of wall material. The unqualified material may make the device fall.



- Set the device of the wall-mounted type not to fall. Falling from an earthquake causes personal injury.

### Cautions for Repairs and Maintenance



- Keep the inside of the device clean. Having the dust inside without any cleaning for a long time causes the fire.
- If necessary, contact your dealer or service center to get cleaning service.



- Unplug this device when you want to check the inside. If there is no plug, please, turn off the circuit breaker.
- Unplug this device when you try to move it to another place.



- If the electric line is connected inside of the unit, please contact your dealer or service center.

- Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

## Warning

### Warnings for Usage

- Do not install this unit near the water and dust, for example, in a bathroom or near the washing machine. It caused fire and electric shock.
- Do not install this unit near the fire, for example, near kitchen sink, heater or the like.
- Do not install near the noxious gas such as Hydrogen Sulfide, metal power and the like.
- Do not install near the water and chemicals.
- Do not give any damage, break and modify the plug. Overloading, heating, pulling causes the damage.
- Do not place the plug near the heater. The damaged code causes fire and electric shock. Do not pull the power code when unplugging.
- The damaged code causes fire and electric shock. Must pull with plug. Do not touch with wet hands. It causes the electric shock.
- Do not use any other voltage, except the marked regular voltage.
- Do not use the power terminal at the units to other electric device except the designed device.
- Do not install the units at the leaking place if it doesn't have any waterproof mark. Do not install the unit when the power is on.
- Install the circuit breaker after checking the safety such as electric shock and leakage. Turn off the power before you install or A/S



- Check the suitability of the lines for installing when you use the exiting lines.
- Do the wiring work by using the designed material.
- Connect the electric wire with the designed ways and ground.
- Do not connect with any other devices except the designed devices to compose the system.



- Unplug electric wire and communication lines from the units before moving to another place.

## Cautions for Use

- This unit is not designed for security purpose.
- Do not place a pot with water or a small metal material on the Units.
- Do not cover the ventilating opening or put any metal material in the units.
- During thunderstorms, avoid using this unit. There may be a remote risk of an electric shock from lightning.
- Do not modify the unit.
- Do not handle the unit with the wet hands.
- Open the main gate after checking ID if the image and sound system do not work. Call A/S



## Cautions for Abnormality

- Change the damaged electric code.
- Unplug this unit from plug socket and refer servicing to an authorized service center when the following conditions occur:
- If liquid has been spilled into the unit.
- If the unit does not work normally by following the operating instructions.
- If the unit exhibits a distinct change in performance.
- If the unit has been dropped or physically damaged.



# Caution

## Safety Instructions, Warnings and Cautions of Each System

- Do not disassemble this unit at will as this device is composed by precision parts.
- Install the unit by following the set-up instructions of Kocom.
- Do not touch or insert any foreign substances, for example, sticker, magnetic, opener and the like.
- Make U-type at the end of wires as the rain can effect on the system by following the wires during the rainy season.

## Videophone

- Separate the AC/DC lines with the hook of the wall-mounted type when installing.
- Connect the lines after peeling the wires properly.
- Do not distribute signal line with AC line.
- Use the designed driver to connect the lines to terminal.
- Do not clean the LCD with the damp cloth for cleaning. Use the only dry and soft cloth.
- Do not install the main gate monitor at the leaking place.

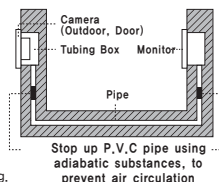
## Things You Need to Know

- This product is designed as a home videophone and cannot use continuously like monitor camera.
- If there is temperature difference between inner part of camera and surrounding, dew condensation occurs on camera lens and may disturb image.
- If dew condensation is removed from camera lens, image quality recovers.
- White LED light examination range is narrower than camera shot range at night, so there is less amount of light at night than day.
- So it is difficult to see the face in low illumination condition due to noise increase on screen, but it is not from defect.
- Monitor screen (liquid crystal panel) is not in defect when some pixels always light or black out.
- Please install monitor and camera over 5cm away.
- Also, avoid installing at a place with too much noise, because too much noise around camera causes phone call inferiority.
- Do not place an object within 20cm in front of monitor. It causes phone call inferiority, especially because microphone is installed at the top of monitor.
- If strong light such as sunlight flows into camera module, screen saturation (or strange mark) and image shaking might occur.
- This is not a defect, so please do not install camera where a direct ray of light do not flow if possible.

## Cautions

- In some cases there is occurrence of product destruction, malfunction, noise mixing and picture quality deterioration due to mixing of other tool's induced, voltage or thunder with communication wiring of monitor/camera, monitor/extended monitor.
- Do not wire with power line such as outdoor wiring or AC power, or phones and other tools.
- You cannot use it if you incorrectly wire the AC voltage between monitor/camera, monitor/extended monitor.
- Call the store or agency where you purchased this product and consult to solve the problem.
- Beware that unfixable damage might be caused due to authorizing AC voltage on communication wiring of monitor/camera, monitor/extended monitor.
- Do not ever disjoin this product. It may cause electrocution accident when touching high-voltage circuit inside this product.
- Outside power authorizing this product must be confirmed of product description and use rated voltage.
- Beware that if higher voltage is authorized, unfixable damage might be caused due to product destruction.
- Power must be connected to domestic voltage (product rated voltage) consent or interior wiring.
- If connected to other motive power or inverter-type power, product destruction, noise mixing, and picture distortion may occur.
- Do not drop this product. Glass is used for monitor and might break, or cause other circuit inferiority.
- In such case, immediately turn down the power switch, and call to consult agency or store in which this product was purchased.
- Keep away from any conditions where water splatters or falls. Do not place anything containing water like a vase on the product.
- If installed near transmission antenna such as broadcasting station, electric wave may mix and cause picture distortion or voice mixing.
- Avoid installing near tools with strong electromagnetic waves such as microwaves and cell phones, or it may cause picture distortion.
- Do not install monitor in following places.
 

① Above or around water heater, rice-cooker, heater	② Place exposed to direct rays of the sun
③ Place with temperature below 0°C such as cold store	④ Place with high humidity such as bathroom, washroom, heated room
⑤ Place with a lot of gas, dust, smoke	⑥ Dangerous place with sprays of water or chemicals
- Do not wipe with insecticide, drugs or chemicals such as thinner and alcohol, or it may damage the surface of this product.
- Beware of occurrence of image quality deterioration or malfunction from cause of humidity due to penetration of chemicals or water into camera's urea resins.
- As in the picture, it prevents temperature difference of camera (outside) and monitor (inside), and removes dew condensation caused by humidity of camera window.
- Camera must be installed when wall cement is completely dry.
- When product is installed in winter below -5°C, wait for approximately 2 hours to connect. Dew formation in monitor and camera due to temperature difference inside and outside may cause product defect.
- Avoid installing monitor and camera in place directly exposed to heat or where gas noxiousness is highly occurring.



## Name of each part



① Camera : Sends video during the talk

② White LED : Makes it possible to identify objects at night

③ Touch button : Used for calling and setting

④ Illuminance sensor : Detects external brightness

⑤ Proximity sensor : Measures proximity distance of object

⑥ Speaker

⑦ Mic : Microphone

⑧ RF card recognition : Close the registered RF card to open the door

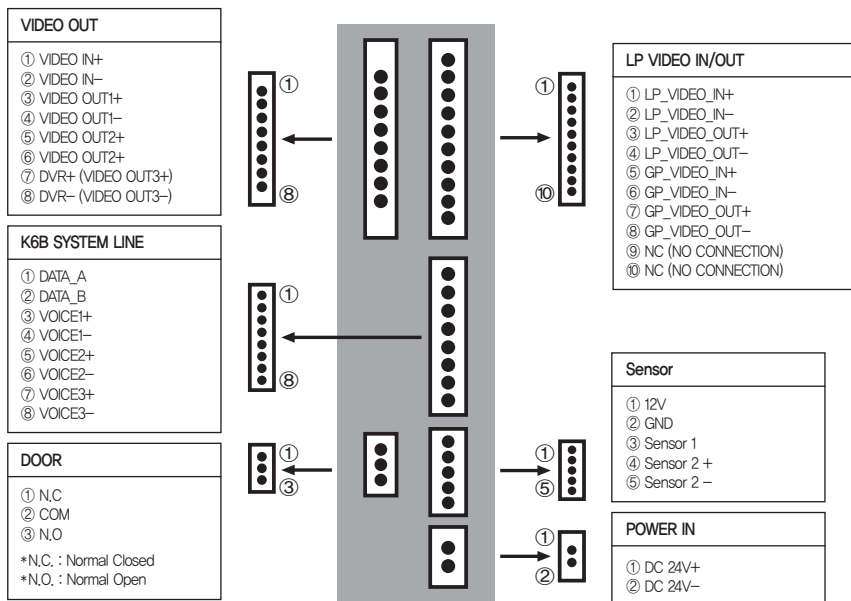
## Product Specifications

Product name	K6B LP-70D
Input power type	DC 24V In stand-by : 3.6W / In operation : 10.8W
Display	7-inch LCD
DATA communication	RS485
Talking method	Hands-free (2WAY)
Call and image retention time	Waiting time of about 30 seconds after call, About 3 minutes during house talk
Exterior materials	Aluminum (AL), ABS, tempered glass
Size	248(W) x 279(H) x 50.2(D)mm
Operation guaranteed temperature	-10°C ~ +50°C
LED lighting function	LED temporary lighting of 4 button part
Camera pixel / angle of view	CCD 0.52M pixels / 90 °
RF card interlocking	13.56Mhz
Interlocking device	GuardPhone : K6B GP-70K Hub : KHU-305, KU-P100INT(LINE HUB), K2S HU-15B House monitor : K6B monitor, 8 line monitor

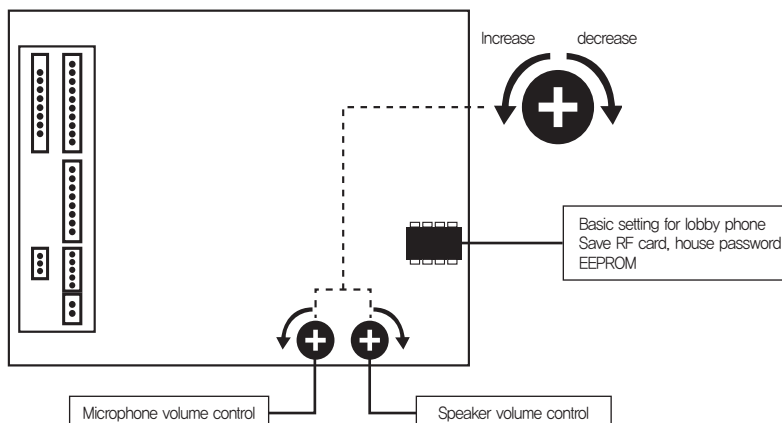
## Wiring specification

- Main Wiring : DATA / VOICE (8 lines) polarity UTP 4P \* 1 or more available
- HUB (KHU-305), Multi-house (NO HUB) system : Used only coaxial cable for Video & GND, (Video noise occurs when using UTP)
- HUB (LINE HUB, KU-P100INT) system : Used only one UTP cable (including Video/GND)

## Product terminal

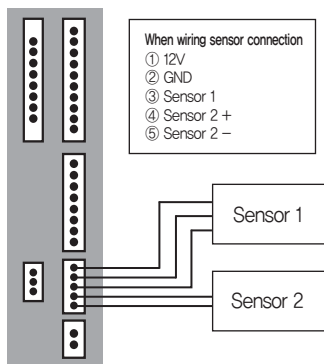


- ※ Use the LP VIDEO IN / OUT terminal when using a separate video distributor
- ※ Do not use a VIDEO OUT terminal when using a separate video distributor
- ※ When K6B system & LINE HUB system is used, do not connect 3) Voice1+ & 4) Voice1- in System Line connection in Lobby phone and Monitor.

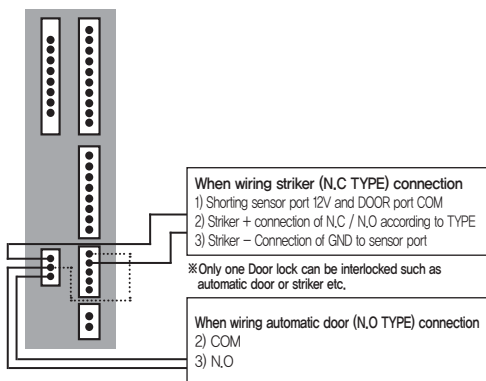


## Automatic door, striker, sensor interlock

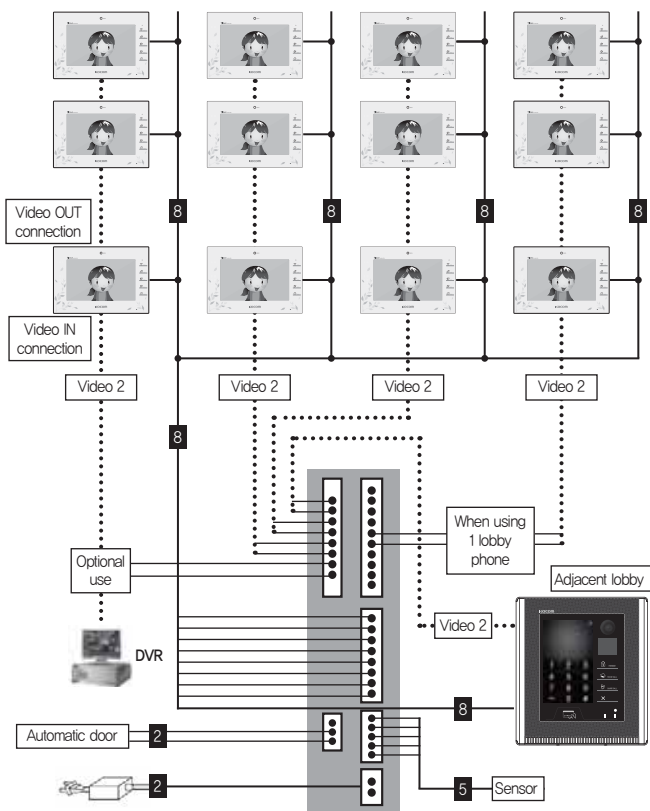
### ■ Sensor interlock



### ■ Automatic door, striker interlock



## Product connection diagram (NO Hub, 8 line Multi-house System)

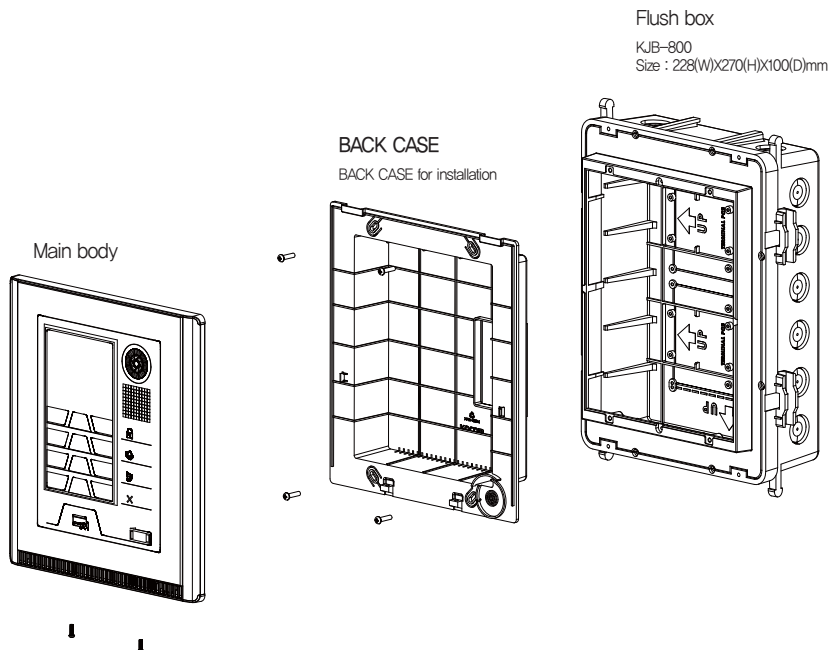




## How to install

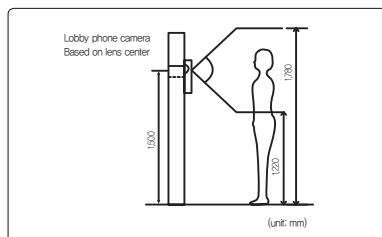
### ■How to install the lobby phone

- Install the power supply 24V in the flush box
- Connect the power supply output to POWER IN terminal of the lobbyphone ( DC24V+, DC24V- [ polarity ] )
- Connect the MAIN line to the house LINE connection part of the lobby phone

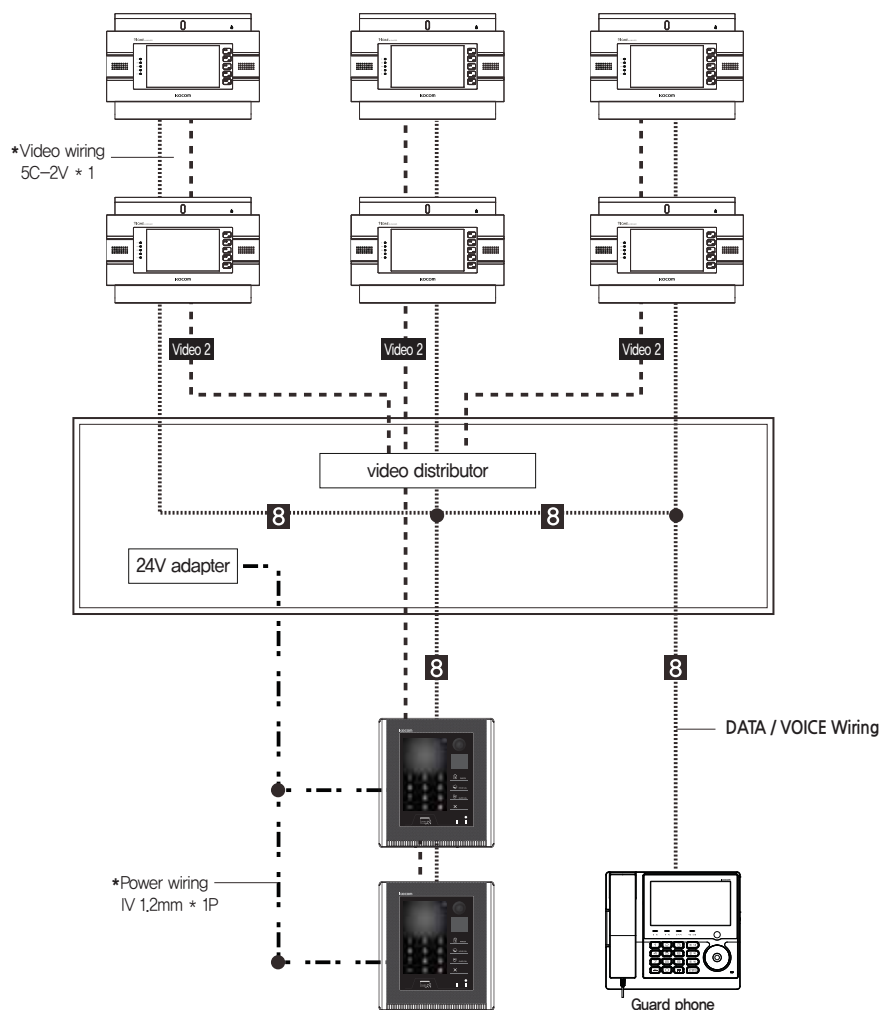


### ■Standard height for lobby phone installation

The standard height of the lobby phone is 1,450 ~ 1,500 from the bottom of the lobby phone flush box. If the height of the lobby phone is out of the range of 1,250mm to 1,550mm, it is impossible to adjust the desired image only by adjusting the angle of the lens, so be careful of height when installing the lobby phone



## 8-line multi-house system(NO Hub) wiring diagram



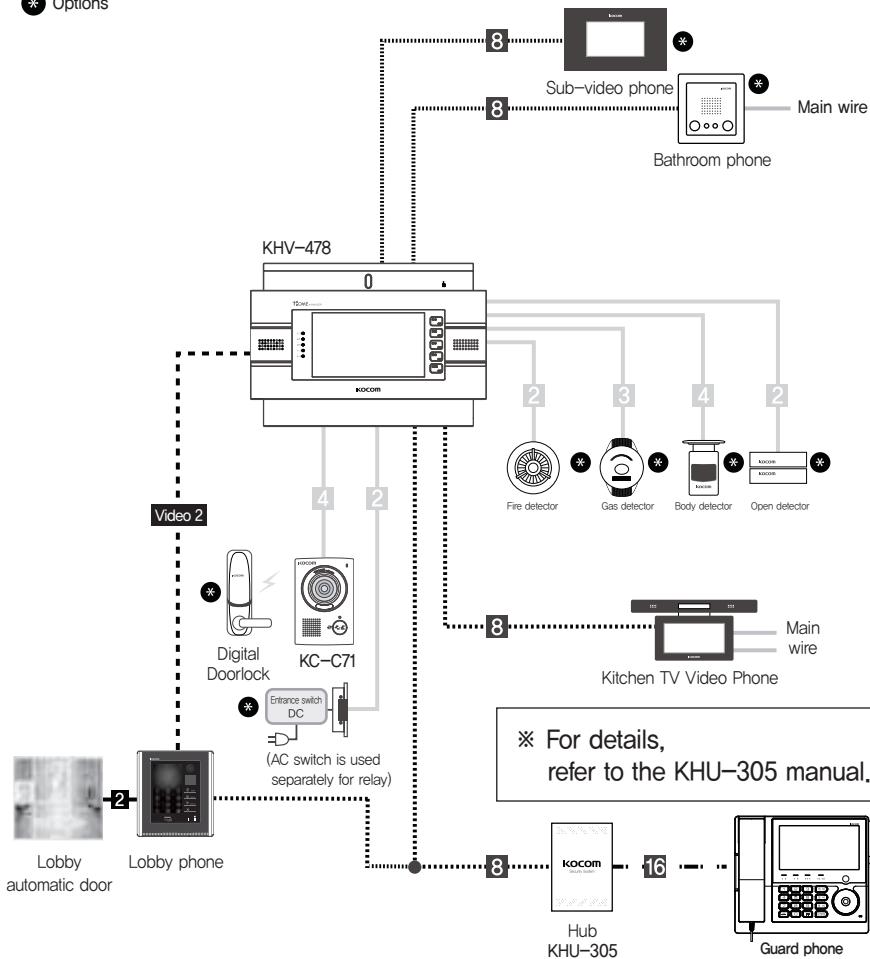
※ Use the LP VIDEO IN / OUT terminal when using a separate video distributor

### Wiring specification

- .....8..... DATA / VOICE : (8 lines) polarity UTP 4P \* 1 or more available
- Power : (2 lines) polarity IV 1.2mm or more available
- Video 2— Video signal / GND: Used only coaxial cable  
(Video noise may occur when using UTP)

## 8 Line Hub System(KHU-305) wiring diagram

※ Options

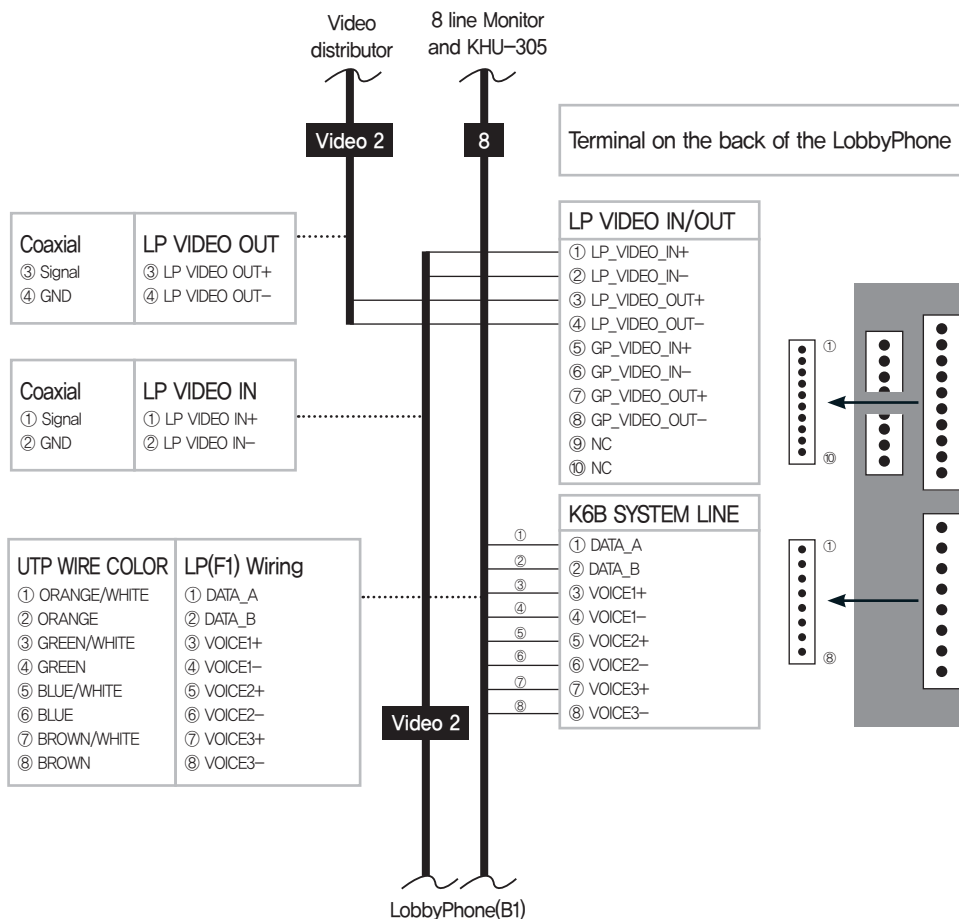


※ Use the LP VIDEO IN / OUT terminal when using a separate video distributor

### Wiring specification

- 2— Automatic door connection (2 lines) Polarity IV 0.8mm or more available
- .....8..... DATA / VOICE : (8 lines) Polarity UTP 4P \* 1
- Video 2- Lobby phone video : Used only coaxial cable  
(Video noise may occur when using UTP)
- 16--- GuardPhone DATA / VOICE : CPEV 0.65 \* 10P Or (16 lines) polarity UTP 4P \* 2 or more available

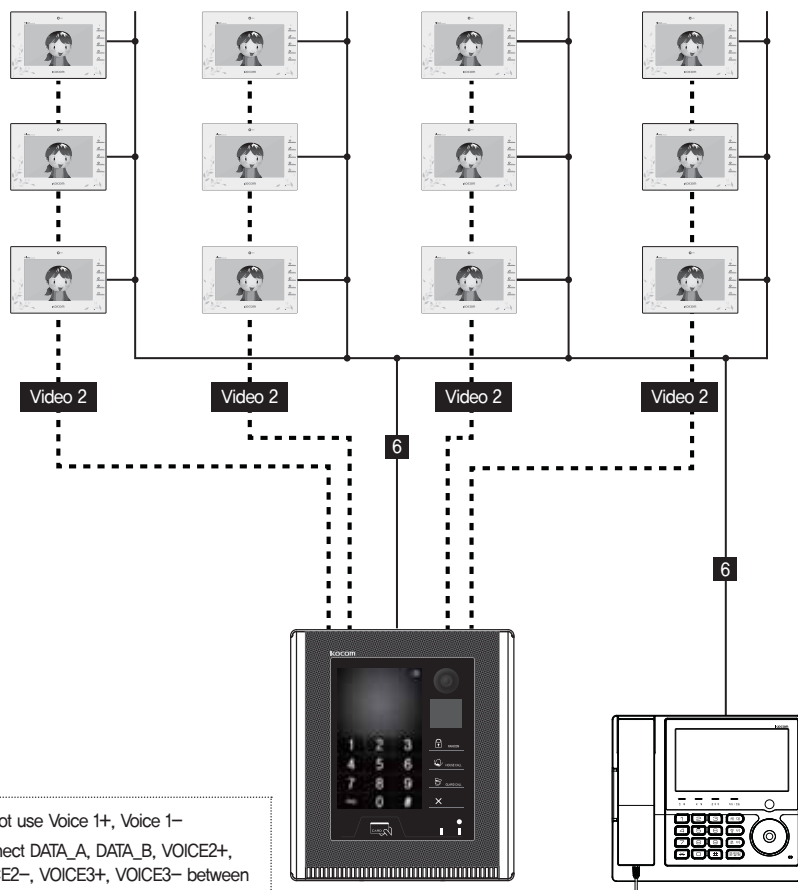
# A detailed wiring diagram when using 8 line System(NO HUB) or 8 line System(KHU-305)



## Wiring specification

- 8** LobbyPhone DATA / VOICE : (8 lines) polarity UTP 4P X 1
- Video 2** Lobby phone video : Used only coaxial cable (Video noise may occur when using UTP)

## K6B multi-house System(NO HUB) wiring diagram



※ Do not use Voice 1+, Voice 1-  
 ※ Connect DATA\_A, DATA\_B, VOICE2+, VOICE2-, VOICE3+, VOICE3- between interlocking monitor.

### Wiring specification

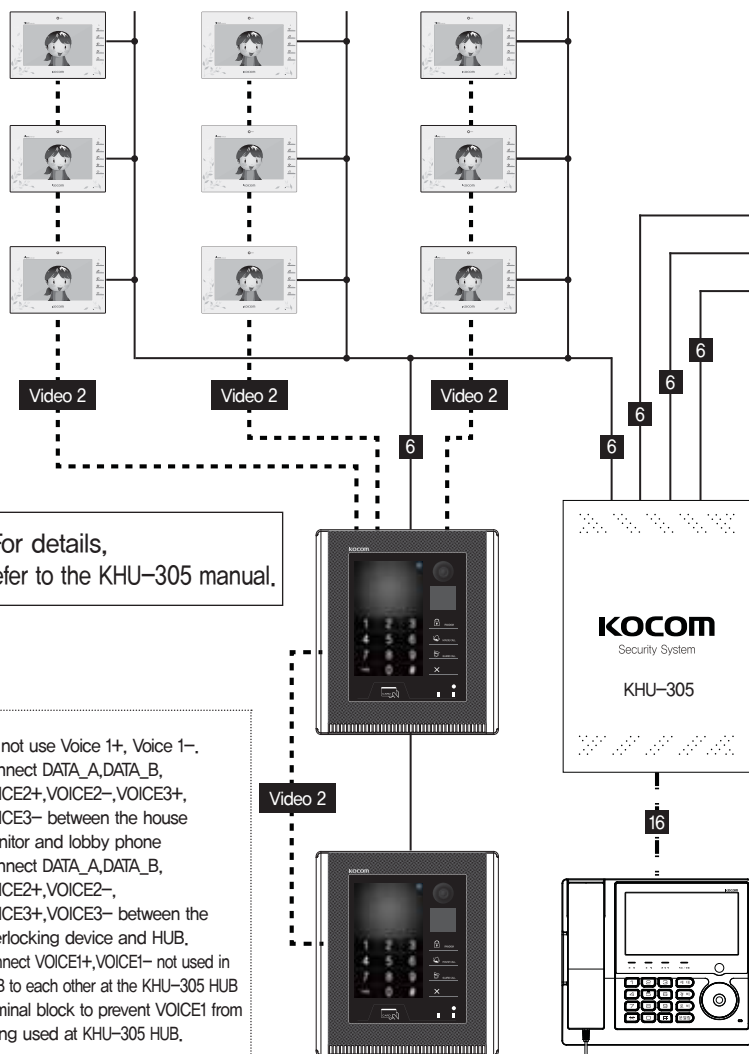
— 6 — DATA / VOICE : (6 lines) Polarity UTP 3P \* 1

•• Video 2 •• Lobby phone video : UTP 1P \* 1 Or coaxial cable

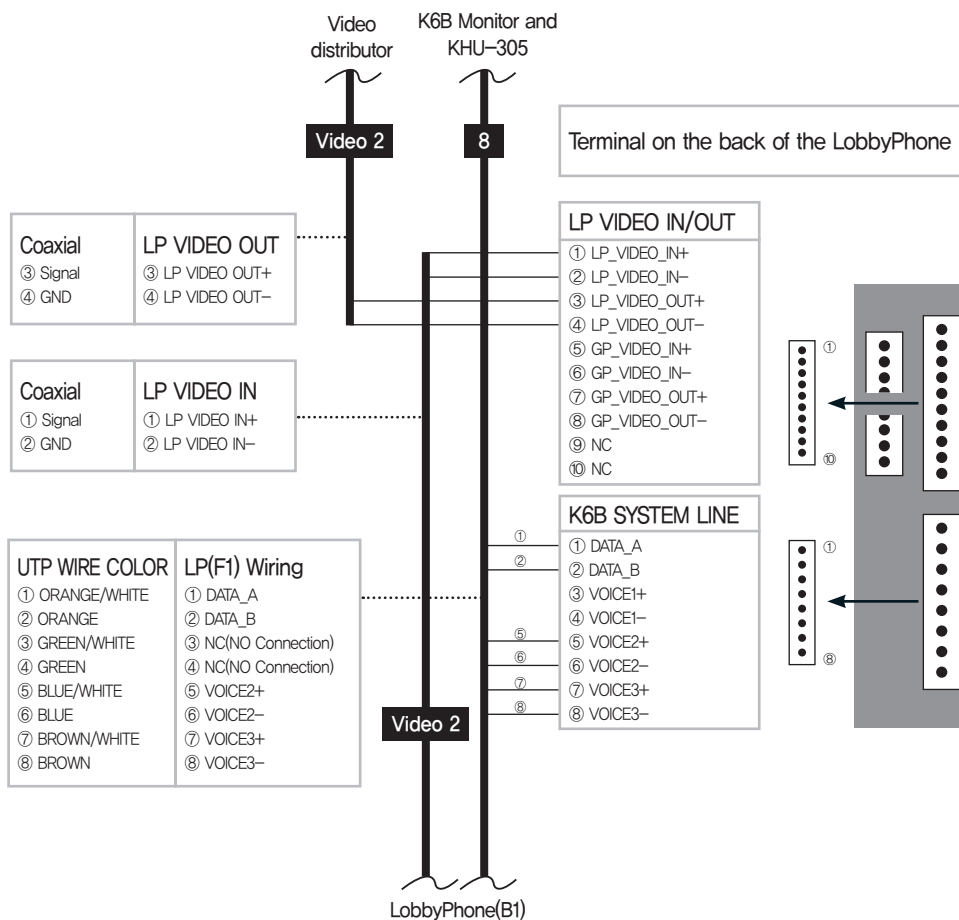
※ Use the LP VIDEO IN / OUT terminal when using a separate video distributor

※ When using UTP with lobby phone video wiring, the video quality may deteriorate due to the product configuration and wiring distance

## K6B Hub System(KHU-305) wiring diagram



# A detailed wiring diagram when using K6B System(NO HUB) or K6B System(KHU-305)



## Wiring specification



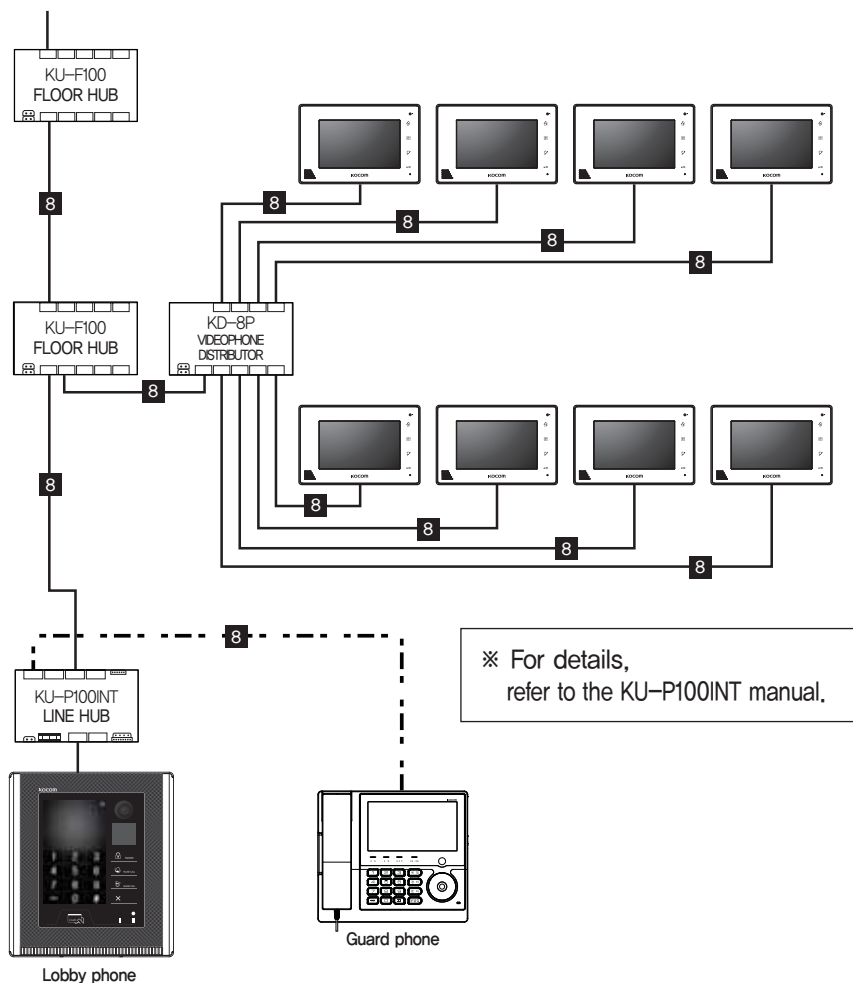
LobbyPhone DATA / VOICE :  
(6 lines) polarity UTP 4P X 1



Lobby phone video : Used only coaxial cable  
(Video noise may occur when using UTP)

## LINE Hub (One UTP) System wiring diagram

### ■ When using the LINE HUB system



#### Wiring specification

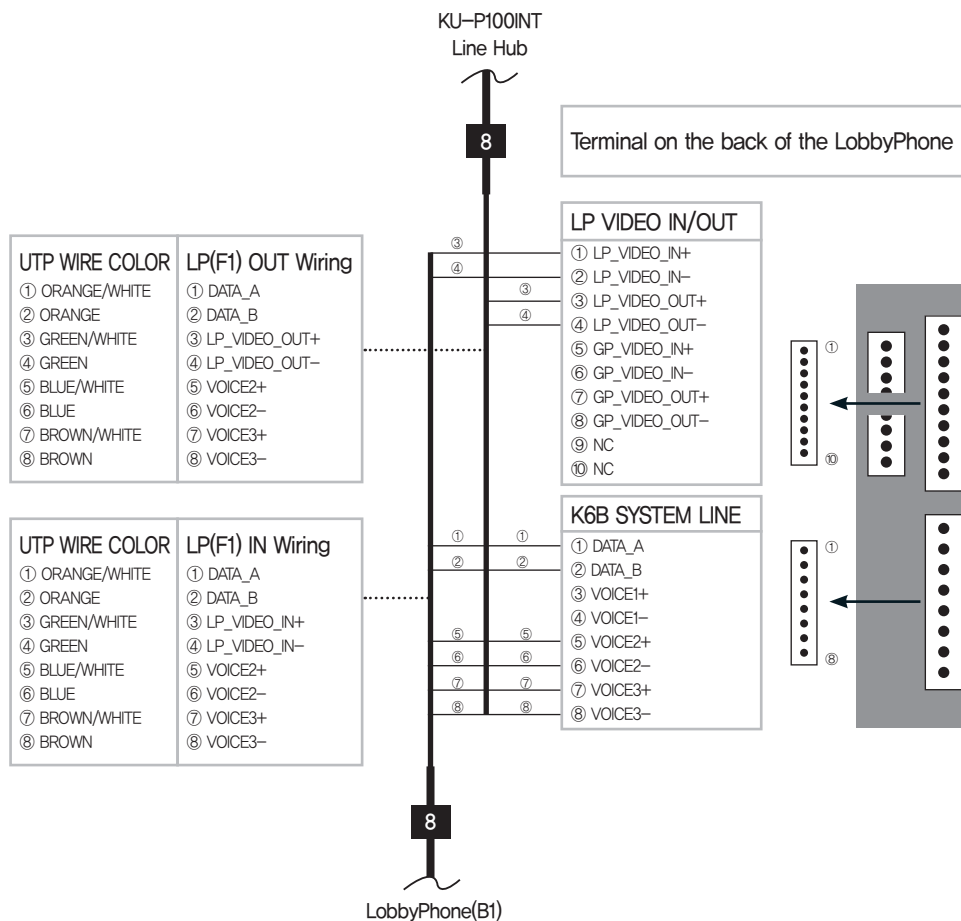
— 8 — DATA / VOICE / VIDEO :  
(8Lines) polarity UTP 4P x 1

※ For detailed specifications, please refer to the Manual below.  
— KU-P100INT, KU-F100, KD-8P

※ To use the extension monitor, the wiring from the KD-8P to the monitor must be connected to the extension monitor in parallel.



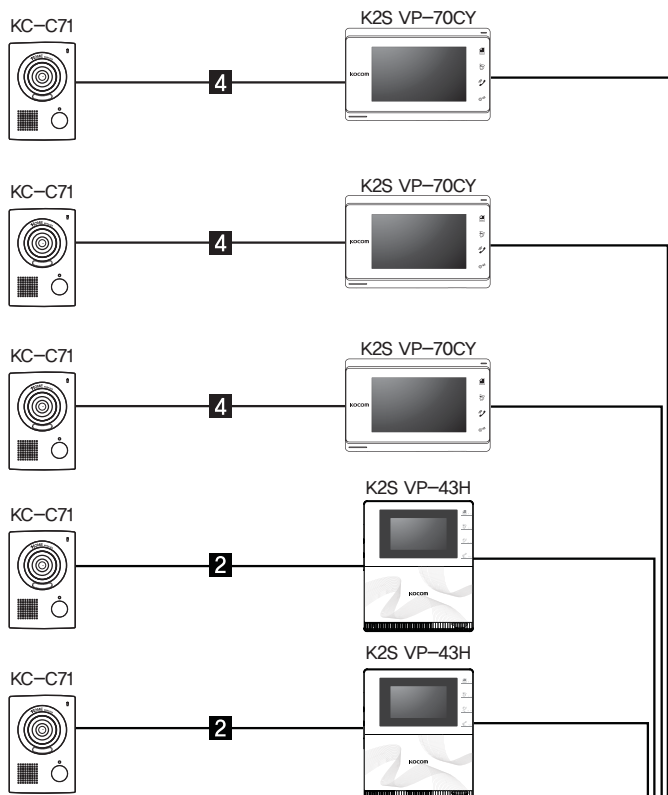
## A detailed wiring diagram when using the LINE HUB System



### Wiring specification

8 LobbyPhone DATA / VOICE / VIDEO : (8 lines) polarity UTP 4P X 1

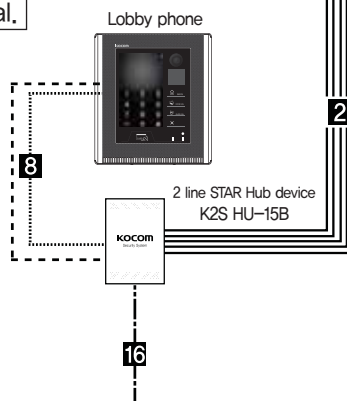
## 2 Line STAR method Hub System(K2S HU-15B) wiring diagram



※ For details, refer to the K2S HU-15B manual.

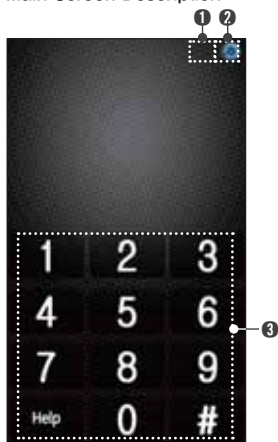
### Wiring specification

- **2** — HOUSE VOICE : (2Lines) polarity IV 0.8mm or more available
- **8** --- LobbyPhone DATA / VOICE : (8 lines) polarity UTP 4P \* 1
- Lobby phone video: Used only coaxial cable  
(Video noise may occur when using UTP)
- ... **16** ... GuardPhone DATA / VOICE : CPEV 0.65 \* 10P  
Or (16 lines) polarity UTP 4P \* 2 or more available



## Main screen

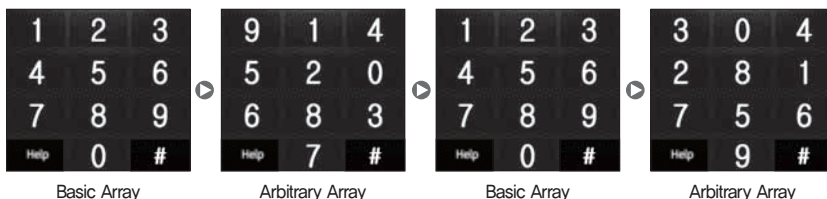
### ■ Main Screen Description



- ① Top icon [ ] : Status display of lobby open
- ② Top icon [ ] : Hub communication connection status
- ③ Touch button :
  - Number buttons: Used when entering block/house number, Used when entering password
  - Help button: Shows tips on how to use

### ■ Right Touch button Description( / / / )

1. [Security button] : When entering the house number or password, you can arrange the button randomly to prevent leakage of information. In standby mode, it automatically changes to default array.  
ex) Press the security button to change the button array(Basic array → Arbitrary array → Basic array → Arbitrary array)



2. [Calling button] : Calls the corresponding house after entering the house number.
3. [Guard button] : call the guard.
4. [Cancel button] : You can get out of or exit the call / password / inquiry function.  
Each time you press the Cancel button in standby mode, the number changes to three different sizes.  
(Change in the order of small number → normal number → large number)



## Call / talk screen

### ■ House talk

#### 1. In the case of general lobby phone



Call input screen



Call waiting screen



Talk screen

1. Enter the house number.
2. Press the right [Calling button] to call. (Call waiting time: about 30 seconds)
3. Talk to the house when the house accepts the call. (Talk time: about 3 minutes)
4. When the house opens a door during a talk, the lobby door opens and the talk ends.

Please note!

- ① Press the cancel at the bottom of the screen or [Cancel] button on the right to cancel the call.
- ② During a house talk, press the cancel at the bottom of the screen or [Cancel] button on the right to end the talk.

#### 2. In the case of parking lobby phone, Block input mode



Standby screen



Block number input screen



house number input screen



Call screen



Talk screen

1. Enter the block number of the house you want to call in the parking lobby phone and the block button at the bottom.
2. Enter the house number.
3. Press the right [Call button] to call the house. (Call waiting: about 30 seconds)
4. Talk to the house when the house accepts the call. (Talk time: about 3 minutes)
5. When the house opens a door during a talk, the lobby door opens and the talk ends.

Please note!

- ① Press the cancel at the bottom of the screen or [Cancel] button on the right to cancel the call.
- ② During a house talk, press the cancel at the bottom of the screen or [Cancel] button on the right to end the talk.

\* If the parking lobbyphone (Block No. XX) is used in a Line Hub system, the parking lobbyphone should be connected to separated KU-P100INT (Line Hub).

## Call / talk screen

### ■ Guard talk



Standby screen



Guard Call Screen



Guard talk Screen

1. Press [Guard button] on the right to call the guardphone. (Call waiting time: about 30 seconds)
2. Talk if the GuardPhone accepts the call.(Talk time: about 3 minutes)
3. If the GuardPhone opens the door during the talk, the door opens and the talk is terminated

① Please note!

- ① Press the cancel at the bottom of the screen or **X** [Cancel] button on the right to cancel the call.
- ② When talking with the guardphone, press the cancel at the bottom of the screen or **X** [Cancel] button on the right to end the talk.
- ③ If the GuardPhone sets a bypass during the talk or absence bypass, you will be automatically called to the bypass set guardphone.

## Help Screen



Standby screen



Help Screen

1. Press the Help button at the bottom of the screen on the standby screen.
2. Help Screen appears.
3. It shows the method of use briefly.
4. Press the cancel button at the bottom or **X** [cancel button] on the right to end.

## Door Open screen

### ■ Lobby door open by house password



Standby screen




house number input



Password standby




House password input screen

1. After entering the house number, press [Enter password] at the bottom to switch to the password input standby screen.
2. When entering password you can prevent the password from being exposed by changing the button arrangement on the screen by pressing  [Security button] on the right. Each time you press [Security button] on the right, it changes to the order of random array and basic array.
3. After entering the 4-digit password set in the house monitor, Press the OK button to open the door if the password matches.

※ In the case of lobby phone for parking entry, enter Block Number on the standby screen and enter in the above sequence.

① Please note! ↓

- ① While entering password, you can exit by pressing the Cancel button at the bottom or the  [Cancel] button on the right.
- ② If the house is unable to communicate or the power is off, after several seconds, the password stored in the lobby phone will be compared and door will open.
- ③ In case of 3 password failures, it will automatically call the guardphone.

### ■ Lobby door open by public password

If the use of public password is set by public password setting menu in the lobbyphone, public password input screen is activated, the button will be seen and work.



Standby screen




Public password standby screen



Public password input screen

1. It applies to the lobby phone with public password [Used].
2. Press the public password input button at the bottom of the standby screen.
3. Enter the public password.
4. After entering 4-digit password, press the OK button at the bottom to open the door if the password matches.

① Please note! ↓

- ① While entering password, you can exit by pressing the Cancel button at the bottom or the  [Cancel] button on the right.
- ② In case of 3 password failures, it will automatically call the guardphone.
- ③ Door open log data by public password is not recorded in the PC management program.  
In case, PC management program is used in a system, do not use public password function. (Default is unused).

## Password registration screen

### ■ House password registration screen



Busy screen



Password change mode entry screen



Password input screen



Password change completion screen

1. Press **[#]**, **[#]**, **[0]**, **[0]**, **[#]** during a house talk.
2. After a certain time, you can see a screen where you can register your house password as shown above.
3. Enter 4 digits of house password you want.
4. If you want to finish, Press the OK button to save.

※ In case, the house password is registered already in the house monitor, no need to register new house password in the lobby phone.

※ In case of using several Lobby phones in same system line, you need to register the password to only one Lobby phone.  
Because of data communication, this data information is shared and recognized in the other lobby phones.

## RF Card Registration / deletion screen

※Lobby phone setting (**[Important]**) notation must be set by default.

### ■ Register / delete master card



Setting screen



RF card setting screen



Register / delete master card

1. Press **[RF CARD]** on the setting screen to enter the RF card setting window.
  2. Press **[Master Card]**, contact the card, and then press **[Save]** to save.
- ※ The master card is the setting for registering the administrator card.  
 ※ Press **[Delete]** to delete the registered master card.  
 ※ Only one Master card can be registered in the lobbyphone.  
 ※ Master Card is for administrator of the building.

## RF Card registration / deletion screen

### ■ Register / delete card for registration



Setting screen



RF card setting screen



Register /  
delete Registration Card

1. Press [RF CARD] on the setting screen to enter the RF card setting window.
  2. Press [Registration Card], contact the card, and then press [Save] to save it.
- ※ The registration card is a setting for registering the card for registering the house card.
  - ※ Press [Delete] to delete the registered card.
  - ※ Only one Registration Card can be registered in the lobbyphone.
  - ※ If you contact the registration card to the lobby phone, it goes to the RF card registration setting screen directly, without entering by system password.

 Please note!

- ❶ In case of using several Lobby phones in a system and registering the RF card directly to the Lobby phone, it should be registered to all Lobby phone one by one. To avoid this job, you better to use RF card register & its PC software program.



## RF Card registration / deletion screen

### ■ Register / delete house card



Setting screen



RF card setting screen



Card registration standby screen



Block Number input screen



House Number input screen



Card registration completion screen

1. Press [RF CARD] on the setting screen to enter the RF card setting window.
  2. Press [Register CARD] on the RF card screen to enter the registration setting window.
  3. After entering the competent Block number 4 digits by pressing [Enter block], press [save] to save.
  4. After entering House number 4 digits by pressing [Enter house], press [save] to save.
  5. If you want to register one house, click [Register Card].
  6. If you contact the card to the receiver according to the instructions, the card registration is completed.
- ※ Card registration is a setting for registering house card in the setting window.
  - ※ Card deletion is a setting for deleting a house card from the setting window.
  - ※ Up to 4000 House cards can be registered in the lobbyphone.

## Setting screen

### ■ View settings

<b>Interwork</b>		<b>Door Open</b>		<b>Video</b>	
System	: 8 Line	Time	: 2 sec	Group	: 01
Mode ①	: Normal	RF card	: Used	Video port	: 1
PC interwork	: Unused	H House	: Used	Guard	: Call
Block input	: Used	P Public	: Used	DVR	: Unused
		W System	: Used		
<b>Volume SPK MIC</b>		<b>LED</b>		<b>Sensor</b>	
House	: 4	Button	: Normal	1	: Motion
Guard	: 4	LCD	: 10 sec	2	: Fire
Beep	: 2			Proximity	: Used
Button	: 2			Illuminance	: Used
② 0101-01 Guard: 10 ④ APP: 61.21 FW: 02.00					

### ■ Quick information Screen

- You can check the setting information of the lobby phone
- How to see quick information screen  
Press the [Help] button and the [#] button or the [Public Password] button at the bottom of the screen at the same time

- ① : Mode : Normal or Park (Parking Lobbyphone, Page 30)  
 ② : Block Number  
 ③ : Lobby Number  
 ④ : Guard Number  
 ⑤ : App version  
 ⑥ : Fw version

Menu	SUB menu	Setting range	Initial value	Description
interwork	System	2 line, 8 line, Line hub	8 lines	Display interlocking system (2 line, 8 line, Line hub) setting
	PC Interwork	Used, unused	Unused	Display setting whether to use control PC
	Block input	Used, unused	Unused	Block, House number input mode setting
L o b b y	Block No.			Display lobby phone jurisdiction block setting
	Lobby No			Display lobby phone ID setting
	Guard No.			Display lobby jurisdiction guardphone ID setting
	Lobby group			Display setting of lobby phone interlocking range No. set in hub when interlocking with hub
	Registration	None	None	Duplicate inspection and registration of change of lobby number to hub
Password	Public Door Open			Public password entered when entering the lobby
	System			Password to enter the lobby setting mode
V i d e o	Video Port			Set video port connected when interlocking Line hub or 2 line STAR Hub
	Guard video	Guard, call, talk	Call	Set timing for transmission of guardphone video
	DVR output	Used, unused	Unused	Display setting of DVR interlocking
V o l u m e	House Spk	1,2,3,4	4	Display speaker volume when talking with the house monitor
	House Mic	1,2,3,4	4	Display microphone volume when talking with the house monitor
	Guard Spk	1,2,3,4	4	Display speaker volume when talking with the guard
	Guard Mic	1,2,3,4	3	Display microphone volume when talking with the guard
	Beep	Mute,1,2,3	3	Display Beep tone speaker output volume
S e n s o r	Button	Mute,1,2,3	3	Display button tone speaker volume
	Sensor 1	Unused, Motion	Motion	* When setting Motion sensor: Operate DOOR OPEN during the set opening time
	Sensor 2	Unused, Motion, Fire	Fire	* When setting the fire sensor: Keep door open until returning to non fire sensing
	Proximity sensor	Used, unused	Used(40)	* When using proximity sensor auto setup: Measure 10 times at intervals of 0.2 seconds after 10 seconds and exclude the lowest value and the highest value and set to the average of 8 times
		Automatic, display setting value (01 ~ 99)		* Recommended setting within 80cm * There may be errors depending on the usage environment. * Recommended for proximity sensor and straight distance * Direct exposure to direct sunlight may cause malfunctions.
	Illuminance sensor	Used, unused	Used	Display whether to use illuminance sensor
D o o r O p e n	RF card	Used, unused	Used	Display whether to use RF card
	House password	Used, unused	Used	Display whether to use house password
	Public Password	Used, unused	Unused	Display whether to use Public Password
	System password	Used, unused	Used	Display whether to use system password
	Door Open Time			Display Door Open Time setting
L E D	Button	Normal operation yes/no	Used (10)	* Keep operating when set to Normal operation
	LCD	Operating time(1 ~ 20)	Unused (10)	* Operating during operating time (seconds) set when setting normal operation as unused ※This setting is applied equally when using proximity sensor

## Setting screen

### ■ How to enter setup



Standby screen



Enter System password



setting information

1. Press and hold [Call button] and [Guard button] on the right of the standby screen at the same time (about 5 seconds).
2. When the System password input window appears, enter the 4 digits of the system password.
3. If the 4-digit password is correct, Press the OK button to go to the setting screen.

### ■ How to go to the setting screen

After entering the setting screen, use [button] or the button to go to the setting menu.



## Setting screen

### ■ How to set

After going to the setting screen, press the [Item] button you want to set to go to the setting screen  
Follow the instructions for setting.



#### <Setting example>

1. Press [Interwork] in the setting screen to go to the Interwork menu screen
2. Press [system] to go to the system setting screen
3. Press [2 line], [8 line] or [Line Hub] to set the corresponding system
4. Press [Save] to complete the save

When you enter the item setting menu as above, basic information about the input information appears at the bottom.  
Please refer to this for setting.

## Interwork( System / PC Interwork / Block input ) setting

※ [Important] notation must be set by default

### ■ System Setting [Important]



Setting screen



Interwork setting screen



System setting screen

1. Press [Interwork] in the setting screen to enter the Interwork related setting window.
  2. Press [System] to set up the Interwork system.
  3. Press [2 line] or [8 line] or [Line hub] to set the corresponding system.
- ※ Set Line Hub System to 'Line Hub' in interwork setting screen  
 ※ Set 2 line STAR Hub to '2 line' in interwork setting screen  
 ※ Set others to '8 line' in interwork setting screen

### ■ PC Interwork setting



Setting screen



Interwork setting screen



PC Interwork setting screen

1. Press [Interwork] in the setting screen to enter the Interwork related setting window.
  2. Press [PC Interwork] to set whether to use PC Interwork.
- ※ It can be used when interlocking with hub where the guard phone is installed and cannot be used otherwise

## Interwork( System / PC Interwork / Block input ) setting

### ■ Block input mode setting



1. Press [ Interwork] in the setting screen to enter the interwork related setting window.
2. Press Block input and used button to activate Block input mode.
3. Block input mode is to call to house using Block number + House number.
4. Ex) Block number is 1, House number is 101 ==> Press 1, Block button, 101, Call button.

## Lobby (Block No./ House No./ Guard No./ Lobby group/ Register) setting

※ [Important] notation must be set by default.

### ■ Lobby setting [Important]

※Some functions may not work when this setting is not executed.



Setting screen



Lobby setting screen



Block Number  
setting screen



Lobby Number  
setting screen



Guard Number  
setting screen



Lobby group  
setting screen



Registration setting  
screen

1. Press [Lobby] on the setting screen to enter the Lobby setting window.
2. Press [Block No.] to enter the 4 digits of the competent Block Number and press [Save] to save. → Enter 'Block 9999' for parking entry Lobbyphone.
3. Press [Lobby No.] to enter the 2-digit of the lobby number and press [Save] to save.  
→ If there are several same Lobby numbers, system-wide problems may occur.
4. Press [Guard No.] to enter 2 digits of the designated guard phone number and press [Save] to save.
5. Press [Lobby group] to enter 2 digits of the lobby calling range number and press [SAVE] to save.  
→ The Lobby group is to set the interlocking range between the lobby phone and the house device.
6. When the above items 2 to 5 are completed, press [Register] to double check and register changes in Hub.

※ The following information is only for KHU-305 Hub System

- Check whether ID is registered in duplicate by communicating with hub.
- If there is no duplication, it will be registered on hub without any other indication.
- If a duplicate is found, display a duplicate found [Duplicate quantity].
- The duplicate quantity indicates a few same lobby phone numbers are registered in hub.
- In the '1 - X X', '1' is the hub number, 'X' is the port 1, then next 'X' is the port 2.
- A thing marked as '0' means duplicate or connected port.

7. If you want to register the lobby phone number after checking, press [Yes] to register.
  - When the registration is completed, registration completed is indicated.
  - This function does not work in the multi-house mode without hub interlocking.
  - If there are a few lobby phones with the same ID, this may cause system-wide problems.

## Password ( Public Door Open / System ) setting

※ [Important] notation must be set by default.

### ■ Public Door Open password setting [Important]



Setting screen



Public Door Open Password setting screen



Public Door Open Password setting completed

1. Press [Password] on the setting screen to enter the password setting window.
  2. Press [Public Door Open] to enter 4 digits of Public Door Open and then press [save] to save.
- ※ To use Public Door Open Password, you must set Public Password [Used] in door open setting.
  - ※ The Public Door Open password means the public use password of the lobby phone when entering the lobby.
  - ※ The default setting of Public Door Open password is 'FFFF' ('FFFF' means no password), so you must register password.
  - ※ Door open log data by public password is not recorded in the PC management program.
  - In case, PC management program is used in a system, do not use public password function, (Default is unused).

### ■ System password setting [Important]



Setting screen



System password setting screen



System password setting completed

1. Press [Password] on the setting screen to enter the password setting window.
  2. Press [system] to enter 4 digits of system password and then press [save] to save.
- ※ The system password is the password required to enter the setting mode to change the settings of the lobby phone.
  - ※ The default setting of System password is '9999' and you must register another password.



## Video (Video Port / Guard video / DVR output) setting

※ [Important] notation must be set by default.

### ■ Video Port setting (Line Hub or 2 line STAR Hub) [Important]



Setting screen



Video setting screen



Video Port  
setting screen

1. Press [video] on the setting screen to enter the video setting window.
2. Press [Video Port] to enter the video port number (1~4) connected to the interworking system.
3. Press [ video input Port Number ] connected to the interworking system

※ You can set the port numbers '1,2,3,4' connected to the video input ports(1,2,3,4) on the Line Hub System(KU-P100INT).

※ You can set the port numbers '1,2,3' connected to the video input ports(1,2,3) on the 2 line STAR Hub System(K2S HU-15B).

### ■ Guard video setting



Setting screen



Video setting screen



Guard video  
setting screen

1. Press [video] on the setting screen to enter the video setting window.
2. Press [Guard Video] to set the guard video transmission timing.

※ When set to call, the lobby will send video when calling the guardphone.

※ When set to talk, video will be sent when a call with the guardphone is connected.

※ When set to the guard, the lobby phone starts video transmission when the guard video ON data is transmitted from the guardphone.

## Video (Video Port / Guard video / DVR output) setting

※ [Important] notation must be set by default.

### ■ DVR output setting (when DVR is interlocked) [Important]



Setting screen



Video setting screen



DVR output  
setting screen

1. Press [video] on the setting screen to enter the video setting window.
2. Press [DVR output] to set whether video is output regularly.

※ The default setting of DVR interlocking is set to 'Unused'.

※ When DVR interlocking is set to 'used', the camera is always on.

It is recommended to set it to 'unused' because it may shorten product life

## Volume ( House Spk\_Mic / Guard Spk\_Mic / Beep / Button ) Setting

※ [Important] notation must be set by default.

### ■ House Speaker / Microphone Setting



Setting screen



Volume setting screen



House speaker  
setup screen



House mic  
setting screen

1. Press [volume] on the setting screen to enter the volume setting window.
2. Press [House Spk] to set the speaker volume on the lobby phone during a House Monitor talk.
  - ※ House speakers are set to the default volume setting of '4'.
  - ※ The higher the number, the louder the speaker volume.
3. Press [House Mic] to set the microphone volume on the lobby phone during a House Monitor talk.
  - ※ House Microphone are set to the default volume setting of '4'.
  - ※ The higher the number, the louder the Microphone volume.

### ■ Guard speaker / microphone setting



Setting screen



Volume setting screen



Guard speaker  
setup screen



Guard mic  
setting screen

1. Press [volume] on the setting screen to enter the volume setting window.
2. Press [Guard Spk] to set the speaker volume on the lobby phone during a GuardPhone talk.
  - ※ Guard speakers are set to the default volume setting of '4'
  - ※ The higher the number, the louder the speaker volume.
3. Press [Guard Mic] to set the microphone volume on the lobby phone during a GuardPhone talk.
  - ※ Guard Microphone are set to the default volume setting of '3'.
  - ※ The higher the number, the louder the Microphone volume.

## Volume ( House Spk\_Mic / Guard Spk\_Mic / Beep / Button ) Setting

※ [Important] notation must be set by default.

### ■ Beep setting



Setting screen



Volume setting screen



Beep setting screen

1. Press [volume] on the setting screen to enter the volume setting window.

2. Press [Beep] to set the Beep volume (Mute, 1, 2, 3)

※ The default volume setting of Beep is '2' and set it to 'mute' if you do not want to use it.

※ Beep function operates in tone sound, especially for overseas items.

※ The higher the number, the louder the Beep Tone.

### ■ Button setting



Setting screen



Volume setting screen



button setting screen

1. Press [volume] on the setting screen to enter the volume setting window.

2. Press [button] to set the button volume (Mute, 1, 2, 3)

※ The default volume setting of the button is '2' and set it to 'mute' if you do not want to use it.

※ The button operate in tone sound, especially for overseas items.

※ The higher the number, the louder the button Tone.

## Sensor (Sensor 1 / Sensor 2 / Proximity sensor / Illuminance sensor) setting

※ [Important] notation must be set by default.

### ■ Sensor 1 setting



Setting screen



Sensor setting screen



Sensor 1 setting screen

1. Press [sensor] on the setting screen to enter the sensor setting window.

2. Press [sensor 1] to set sensor 1 (Motion, unused)

※ Sensor 1 is not set to fire.

※ The default setting of sensor 1 is 'Motion'. If you do not want to use it, set it to 'unused'.

### ■ Sensor 2 setting



Setting screen



Sensor setting screen



Sensor 2 setting screen

1. Press [sensor] on the setting screen to enter the sensor setting window.

2. Press [sensor 2] to set sensor 2 (fire, Motion, unused)

※ The default setting of sensor 2 is 'fire'. If you do not want to use it, set it to 'unused'.

※ After setting 'Motion', the door opens only for the set open time during sensor operation.

※ After setting 'fire', the door opens only until the fire sensor turns off during sensor operation.

## Sensor (Sensor 1 / Sensor 2 / Proximity sensor / Illuminance sensor) setting

※ [Important] notation must be set by default.

### ■ Proximity Sensor setting



Setting screen



Proximity sensor setting screen



Automatic distance recognition screen



Automatic distance recognition sampling screen



Automatic distance recognition end screen



Automatic distance recognition save screen

1. Press [sensor] on the setting screen to enter the sensor setting window.
2. Press [Proximity sensor] to set the proximity sensor (Used, unused, setting)
3. To change the recognition distance for the proximity sensor, press [Setup] to change the proximity sensor recognition distance
4. Immediately, the proximity sensor begins to recognize the object. If it is within the measurement range, the tone will be generated at regular intervals. If it is out of the measurement range, no tone will be generated
5. If you want to set the recognition distance, press [Yes] to save. Measure 10 times at intervals of 0.2 seconds after 10 seconds and exclude the lowest value and the highest value and set to the average of 8 times (We recommend setting within 80cm.)

- ※ The default setting of the proximity sensor is 'used'. If you do not want to use it, set it to 'unused'.
- ※ There may be errors depending on the usage environment.
- ※ It is recommended to use with proximity sensor and straight line distance.
- ※ Direct exposure to direct sunlight may cause malfunctions.

## Sensor (Sensor 1 / Sensor 2 / Proximity sensor / Illuminance sensor) setting

※ **[Important]** notation must be set by default.

### ■ Illuminance sensor setting



Setting Screen



Sensor setting Screen



Illuminance sensor setting screen

1. Press [sensor] on the setting screen to enter the sensor setting window.
2. Press [Illuminance sensor] to set Illuminance sensor (Used, unused)

※ It is set to 'used' by default. If you do not want to use it, set it to 'unused'.

## Door Open (RF card / house password / public password / system password / open time) setting

※ **[Important]** notation must be set by default.

### ■ Setting whether to use RF card



Setting Screen



Door Open setting Screen



RF Card Setting Screen

1. Press [Door open] on the setting screen to enter the Door open setting window
2. Press [RF CARD] to set operation (Used, unused)

※ It is set to 'used' by default. If you do not want to use it, set it to 'unused'.

### ■ Setting whether to use house password



Setting Screen



Door Open setting Screen



House password  
Setting Screen

1. Press [Door Open] on the setting screen to enter the Door Open setting window.
2. Press [House password] to set operation (Used, unused)

※ It is set to 'used' by default. If you do not want to use it, set it to 'unused'.



## Door Open (RF card / house password / public password / system password / open time) setting

※ **[Important]** notation must be set by default.

### ■ Setting whether to use public password



Setting Screen



Door Open setting Menu Screen



Public password Setting Screen

1. Press [Door Open] on the setting screen to enter the Door Open setting window.

2. Press [Public Password] to set operation (Used, unused)

※ It is set to 'unused' by default. If you do not want to use it, set it to 'used'.

※ Door open log data by public password is not recorded in the PC management program.

In case, PC management program is used in a system, do not use public password function. (Default is unused).

### ■ Setting whether to use system password



Setting Screen



Door Open setting Menu Screen



System password setting Screen

1. Press [Door Open] on the setting screen to enter the Door Open setting window.

2. Press [System password] to set operation (Used, unused)

※ It is set to 'used' by default. If you do not want to use it, set it to 'unused'.

## Door Open (RF card / house password / public password / system password / open time) setting

※ **[Important]** notation must be set by default.

### ■ Door open time setting



Setting Screen



Door Open setting Menu Screen



Door Open time setting Screen

1. Press [Door open] on the setting screen to enter the Door open setting window.

2. Press [Door open time] to set Door open time (1–8 seconds)

※ The Door Open Time is set to default '2 seconds'

※ The Door Open Time is not related to the automatic door opening time set in the automatic door.

## LED(Button LED / LCD operation) setting

※ [Important] notation must be set by default.

### ■ Button LED setting



Setting Screen



LED setting screen



Button normal Operation  
Setting Screen



Button operation time  
setting screen

1. Press [LED] on the setting screen to enter the LED setting window.
2. Press [button normal operation] to set operation (Used, unused)
3. Press [button operating time] to set operating time (1 second decrease, 1 second increase)

※ When set to 'unused', the LED will light only when the button is operated.

※ It is set to 'used' by default and the LED is always on.

① Please note!

- ① This setting applies equally when using the proximity sensor.
- ② Operating time is set to "10 seconds" by default.

### ■ LCD operation setting



Setting screen



LED setting screen



LCD normal operation  
setting screen



LCD operation time  
setting screen

1. Press [LED] on the setting screen to enter the LED setting window
2. Press [LCD normal operation] to set operation (Used, unused)
3. Press [LCD operating time] to set operating time (1 second decrease, 1 second increase)

※ When set to 'used', LCD is always on.

※ It is set to 'unused' by default and the LCD turns on only when the button is operating

① Please note!

- ① This setting applies equally when using the proximity sensor.
- ② Operating time is set to "10 seconds" by default.

## Utility ( Line Ckeck / Initialization ) Setting

※ [Important] notation must be set by default.

### ■ Line Check setting

※ This fuction works only on K6B muti-house System(NO HUB) and LINE Hub (One UTP) System



Setting screen



Utility setting screen



Line Check setting screen



Start house  
setting screen



End house setting screen



Start Check screen

※ Continued on the next page

## Utility ( Line Check / Initialization ) Setting

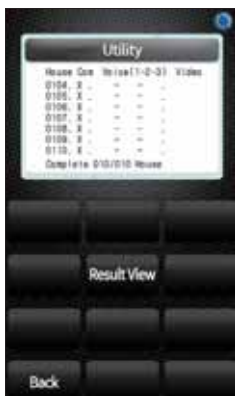
※ [Important] notation must be set by default.

### ■ Line Check setting

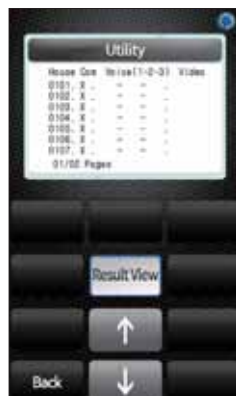
※ This function works only on K6B multi-house System(NO HUB) and LINE Hub (One UTP) System



Check screen



Check completion screen



Result view screen

1. Use the arrow to move to the utility screen.
  2. Press [Utility] to enter the corresponding settings (line check, reset).
  3. To test the line, press [Line Check]
  4. Press [Start house] to enter the 4 digits of the first house number and press [Save] to save it
  5. Press [end house] to enter the 4 digits of the last house number and press [Save] to save it
  6. When you have finished entering start and end houses, press [Start Check] to start the test.
- ※ At the start of the test, start checking the wiring in the lobby itself first
- ※ When an error occurs in the self-test, the test is terminated and must be conducted again after the problem is improved
- ※ House indicates House Monitor
- ※ Com indicates Data communication state
- ※ Voice indicates Voice line state
- ※ Video indicates Video line state
- ※ '1, 2, 3' indicates 'voice 1, 2, 3' and whether the line is shorted.
- ※ If you want to exit the Line Check function, press [End Check] or [Cancel]
7. If there is no error in the lobby voice line test, start the house line check.
  8. 7 houses are shown under the screen being checked
- ※ 'O' indicates that the operation is normal.
- ※ 'X' indicates no communication or incorrect wiring
- ※ 'O' and 'X' are not displayed if Data communication is not smooth
9. Press [View Results] to show the information saved separately after the Check is completed.
  10. You can see previous and next screen by using the arrow button. ↑ ↓

## Utility ( Line Ckeck / Initialization ) Setting

※ [Important] notation must be set by default.

### ■ Initialization setting

#### 1. Lobby information initialization setting



Setting screen



Utility setting screen



Lobby Info  
initialization screen



Lobby Info  
Initializing



Lobby Info  
initialization completed

1. Use the arrow to move to the utility screen.
2. Press [Initialize] in the utility window to enter the initialization window
3. When initializing the lobby phone to default setting, press [Lobby Info] and then press [Yes].

## Utility ( Line Ckeck / Initialization ) Setting

※ [Important] notation must be set by default.

### ■ Initialization setting

2. House password initialization setting (※House password initialization initializes house password saved in lobby phone.)



Setting Screen



Utility setting Screen



House Password  
initialization Screen



House password  
Initializing



House Password  
initialization completed

1. Use the arrow to move to the utility screen.
2. Press [Initialize] in the utility window to enter the initialization window
3. When initializing password by house, press [house password] and press [Yes].

## Utility ( Line Ckeck / Initialization ) Setting

※ [Important] notation must be set by default.

### ■ Initialization setting

3. RF data initialization setting (※ RF data initialization initializes RF card data saved in lobby phone.)



Setting Screen



Utility setting Screen



RF data initialization completed



RF data Initializing



RF data initialization screen

1. Use the arrow to move to the utility screen.
2. When initializing delete all registered RF cards, press [RF data] and press [yes]



## Utility ( Line Ckeck / Initialization ) Setting

※ [Important] notation must be set by default.

### ■ Initialization setting

#### 4. Factory Initialization setting

※ It is recommended that you do not use the Factory Initialization because it deletes all data.

※ Factory Initialization initializes all LobbyPhone information, house password, and RF data saved in the lobby phone.



Setting screen



Utility setting screen



Factory Initialization screen



Factory Initializing



Lobby information initialization completed



House password initialization completed



RF data initialization completed

1. Use the arrow to move to the utility screen.
2. When initializing all data, press [Factory Initialize] and then press [Yes].

## (NO HUB)Multi-house mode setting

### ■ (NO HUB)Multi-house mode setting

- Caution: Multi-house mode and normal mode [Hub presence] cannot mixed for use.
- Caution: You must use a house appliance set to multi-house mode.
- Caution: The guard master must be set to multi-house mode.
- Caution: In the multi-house mode, the lobby group should be set to 99 in the lobby phone.
- Reference: Please refer to multi-house external wiring diagram

### ※(NO HUB)Multi-house mode connection and talk line setting

1. House- House talk uses only voice 1 line
2. House- lobby talk uses only voice 2 line
3. House/ lobby- guard use only voice 3 line
  - If the voice line is busy, it is the busy state and talk is not connected
  - Basically, it is connected by the same connection method as normal mode (hub connection).



## Warranty

▶ To receive after service, have the following ready before you contact our branches.

1. Name of the product.
2. Model number of the product.
3. The area of problem.
4. Phone number and address at which you can be contacted.

## Warranty Card

PRODUCT	
MODEL	
DATE PURCHASED	
WARRANTY PERIOD	
AGENCY ADDRESS	

▶ KOCOM Warranties the original purchaser of this product as follows.

- 1) This product is produced under strict quality control and inspection procedures.
- 2) If this product breaks down during proper use as a result of product defect, KOCOM will repair it within one year from date of purchase free of charge.
- 3) The following cases will be subject to charge, even during warranty period:
  - a. Breakdown during transport, or through careless treatment, by consumer.
  - b. Breakdown cause by unauthorized repair, or system modification.
  - c. Breakdown caused by natural disaster or power disorder.



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This manual is based on the date as shown in the right and specifications are subject to change without notice for quality improvement

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