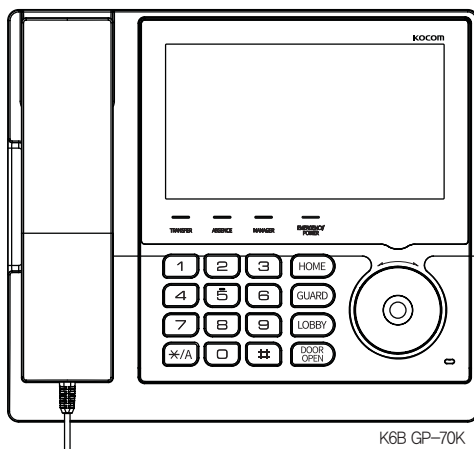


K6B GP-70K

Guard phone use and installation manual [for administrators]

8-line Hub system/ K6B system/ Line HUB(One UTP) system

- 7-inch color LCD
- Combined handset, hands-free call
- Easy installation
- GUI interface using jog button
- House calling and call, exchange call
- Lobby phone call and door opening
- Lobby video DISPLAY function
- Call between guard phones and bypass call
- Time setting and display function
- House emergency data backup and display
- House call list display
- K6B multi house system interlocking
- K6B Hub system interlocking
- 8-line Multi-house system interlocking
- 8-line Hub system interlocking
- Line HUB(One UTP) system interlocking



This product can be interlocked with 8-line / K6B / Line HUB(One UTP) house equipment, guard phone and master device. It is not compatible with other products.

This equipment is suitable for commercial (Class A) electromagnetic waves and sellers or users should be aware of this. It is intended for use outside the home.

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.
- 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.

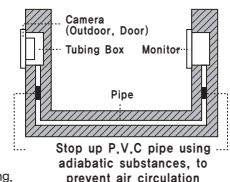
⦿ Things You Need to Know

- 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.

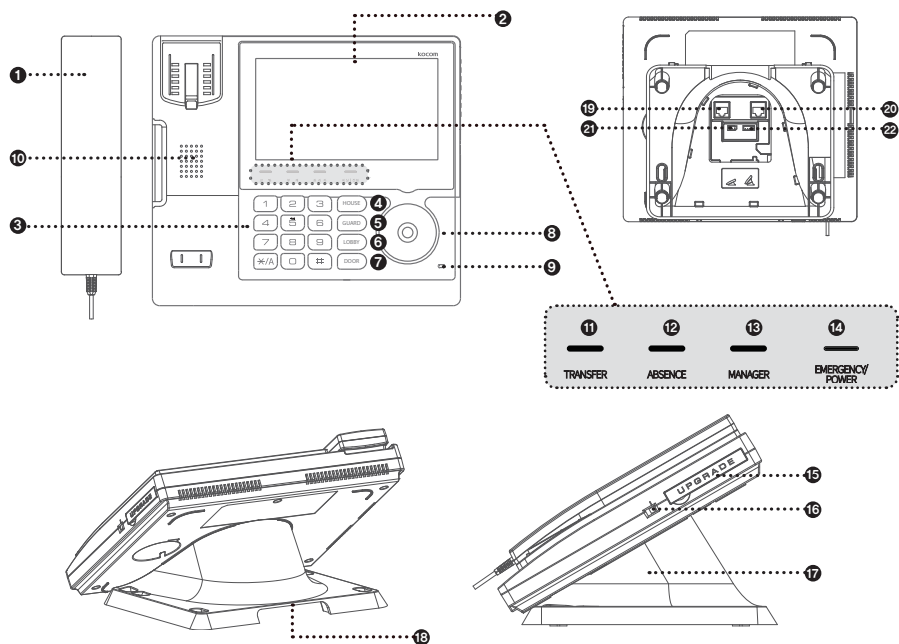
⦿ Cautions

- 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 disjoint 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 Sender and receiver(Handset)

2 LCD screen

3 10 KEY button : Used when entering numbers, * button: Cancel input

4 House call button : Used to call a house.

5 Guard call button : Used to call guard.

6 Lobby call button : Used to call lobby.

7 Door opening button : You can open the automatic door of the lobby while communicating with the lobby phone.

8 Jog Shuttle : Used as the menu selection and confirmation button.

9 Microphone : Used for hands-free call.

10 Speaker : Voice is output during ring tone and hands-free call.

11 Exchange button : Used for exchange calls.

12 Absence setting button : Used when setting absence.

13 Administrator setting button: Used to enter the configuration menu.

14 Emergency button :

Used to stop emergency transmission and Emergency sounds received.

15 Terminal for upgrade :

Used when upgrading the software of the product. (For installer)

16 Power switch : Turns the product on or off.

17 Cradle for product fixing: It is basically assembled in one stage and released. (OPTION: You can increase the angle of the product by assembling it in two stages.)

18 Guide groove for installation wiring.

19 Hub Main wiring connection terminal.

20 Interactive intercom connection terminal.

21 DC Power supply connection terminal.

22 Lobby video input / output terminal.

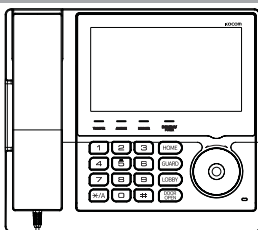
Product Specifications

Product name	Guard phone K6B GP-70K
Input power type	DC12V, 1.5A In stand-by : 3W, In operating : 8W
Display	7-inch digital LCD
DATA method	RS485
Talking method	Handset & Handsfree (1WAY)
Call and image retention time	Waiting time after call is about 30 seconds, about 3 minutes during the talk
Exterior material	Injection (ABS), PC
Size	256(W) x 225(H) x 40(D)mm
Operation guaranteed temperature	0°C ~ 40°C

Wiring specifications

- Main wiring : DATA / VOICE (8 lines) polarity UTP 4P * 1 or more available
- Used only coaxial cable for Video & GND,(Video noise occurs when using UTP)
(Image noise may occur depending on installation conditions when using UTP)
- GUARD INTERPHONE : DATA / VOICE polarity UTP 4P * 1 or more

Product components



• K6B GP-70K



- DC Power supply connection wiring

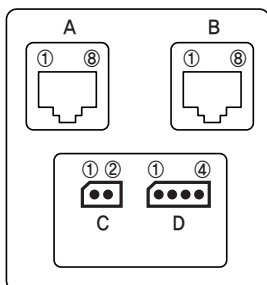


- Power supply 12V / 1.5A



- Lobby video input / output connection wiring

Product terminal



A. K6B SYSTEM LINE
(KHU PORT)

- ① DATA_A
- ② DATA_B
- ③ VOICE1+
- ④ VOICE1-
- ⑤ VOICE2+
- ⑥ VOICE2-
- ⑦ VOICE3+
- ⑧ VOICE3-

UTP WIRE COLOR

- ① ORANGE/WHITE
- ② ORANGE
- ③ GREEN/WHITE
- ④ GREEN
- ⑤ BLUE/WHITE
- ⑥ BLUE
- ⑦ BROWN/WHITE
- ⑧ BROWN

B. GUARD INTERPHONE
(KIP PORT)

- ① DATA_A
- ② DATA_B
- ③ VOICE1+
- ④ VOICE1-
- ⑤ VOICE2+
- ⑥ VOICE2-
- ⑦ VOICE3+
- ⑧ VOICE3-

UTP WIRE COLOR

- ① ORANGE/WHITE
- ② ORANGE
- ③ GREEN/WHITE
- ④ GREEN
- ⑤ BLUE/WHITE
- ⑥ BLUE
- ⑦ BROWN/WHITE
- ⑧ BROWN

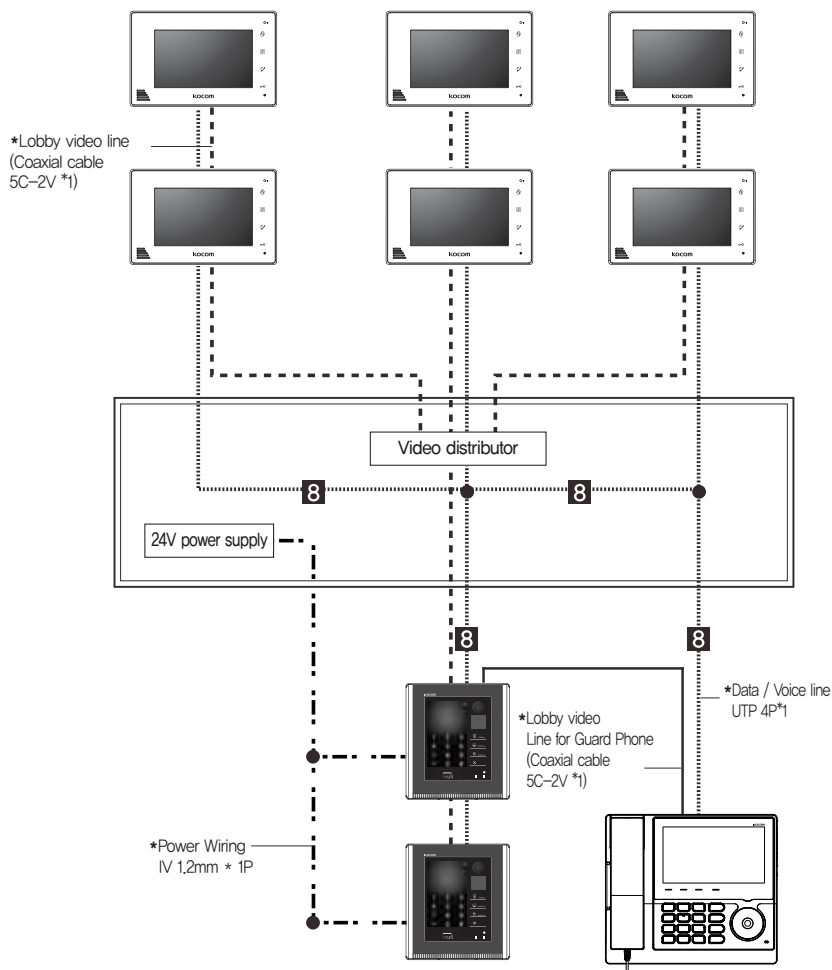
C. Power input
(DC power supply connection)

- ① DC12V
- ② GND

D. LP VIDEO IN/OUT

- ① LP VIDEO IN+
- ② LP VIDEO IN-
- ③ LP VIDEO OUT+
- ④ LP VIDEO OUT-

8-line multi-house system (NO HUB) wiring diagram



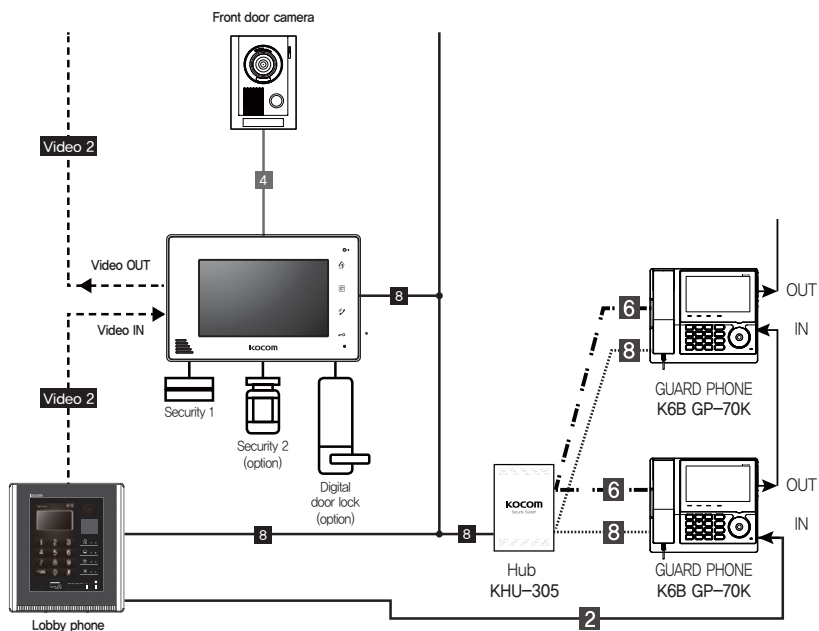
Wiring specification

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

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

8-line Hub system wiring diagram

※ Options

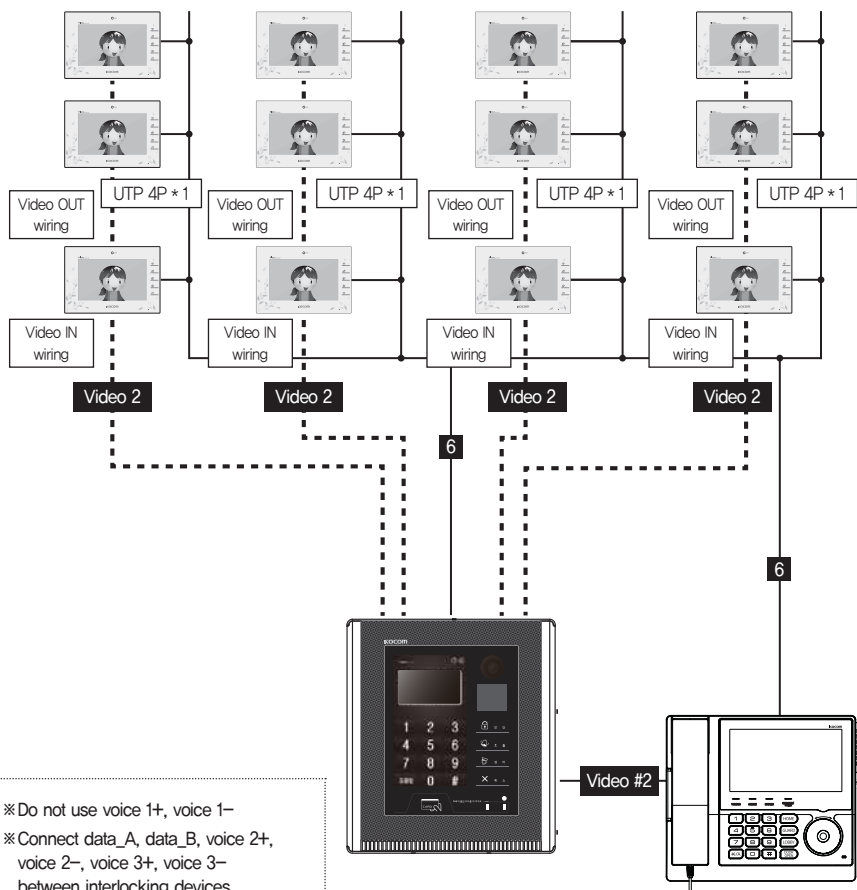


Wiring specifications

- - - Lobby phone video: Used only coaxial cable
(Using lobby video input & output terminal)
- [8]• DATA / VOICE / (8 lines) polarity UTP 4P * 1 or more
- [2]• Lobby video: Lobby → guard video output (coaxial cable 1P)
(※ Note: Video noise may occur depending on installation conditions when UTP is used)
- [6]• GUARD INTERPHONE wiring (KIP) :
Interaction Calls between guards (6 lines) Polarity (VOICE, UTP 3P * 1)

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

K6B multi-house System(NO HUB) wiring diagram



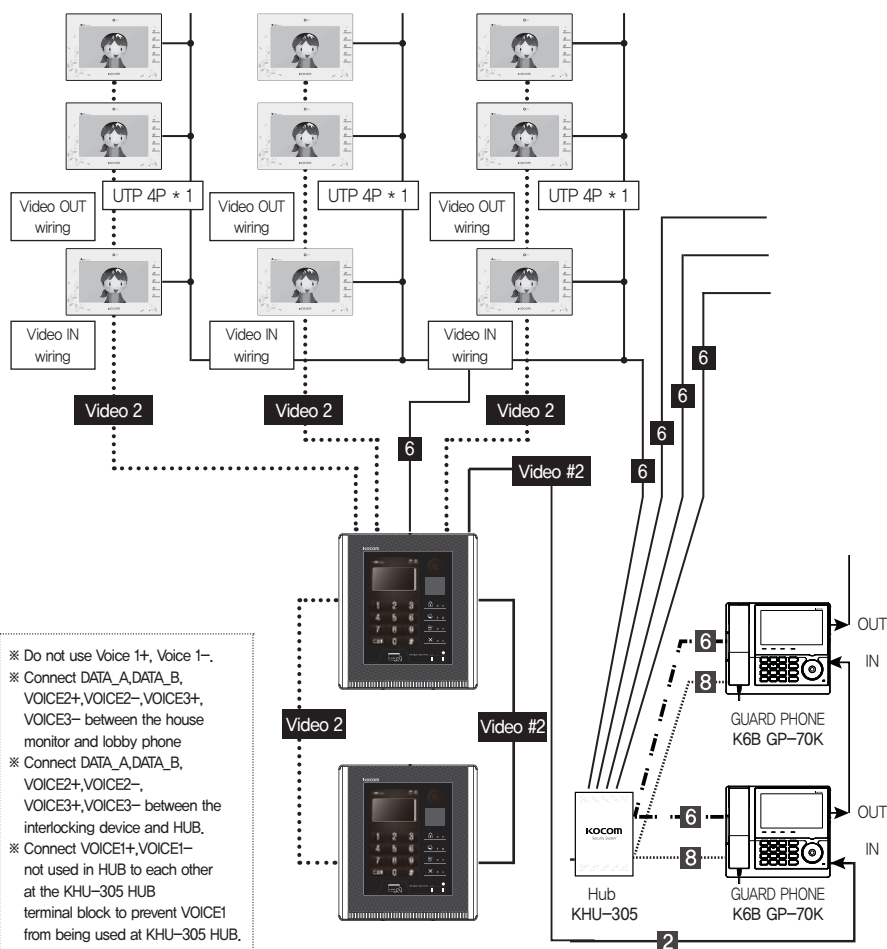
- ※ Do not use voice 1+, voice 1-
- ※ Connect data_A, data_B, voice 2+, voice 2-, voice 3+, voice 3- between interlocking devices

Wiring specifications







- 6** Data / Voice / (6 lines) polarity UTP 3P * 1
- Video 2** Lobby phone video: UTP 1P * 1 or coaxial cable
- Video #2** Lobby phone video of guard route : 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

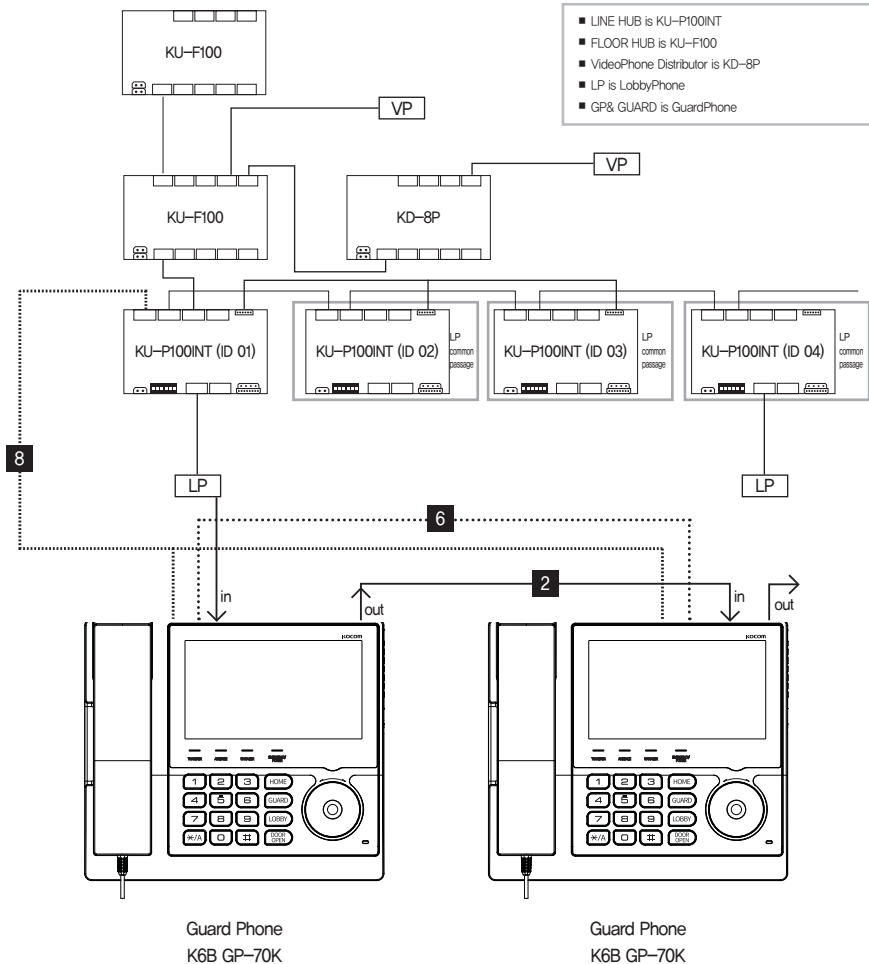


- Wiring specifications

- | | | |
|---|-----------|--|
|  | 6 | Data / Voice (6 lines) polarity UTP 3P * 1 |
|  | Video 2 | Lobby phone video : UTP 1P * 1 or coaxial cable |
|  | Video #2 | Lobby phone video of guard route : UTP 1P * 1 or coaxial cable |
|  | - - - - - | Lobby phone video : Used only coaxial cable
(Video noise occurs when using UTP) |
|  | 8 | Data / Voice (8 lines) polarity UTP 4P * 1 |
|  | 2 | Lobby video : Lobby → guard video output (coaxial cable 1P)
(Note: Video noise may occur depending on installation conditions when UTP is used) |

- ※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

Line HUB(One UTP) system wiring diagram



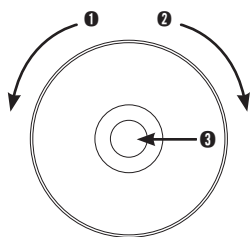
Wiring specifications

- **8** Data / Voice (8 lines) polarity UTP 4P * 1
- **2** — Lobby video: Lobby → guard video output (coaxial cable 1P)
(Note: Video noise may occur depending on installation conditions when UTP is used)
- **6** Inter wiring (KIP) : Mutual talk between guards (6 lines) polarity (UTP 3P * 1) /
③ VOICE1+ ④ VOICE1- ⑤ VOICE2+ ⑥ VOICE2- ⑦ VOICE3+ ⑧ VOICE3-

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

Jog Shuttle Description

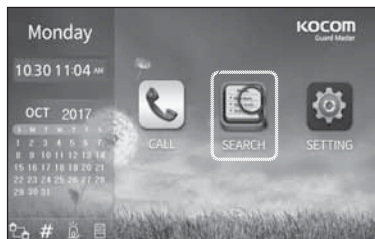
■How the Jog Shuttle works



- ❶ Left : Moves to the left GUI button.
- ❷ Right : Moves to the right GUI button.
- ❸ Confirm (OK) : Used as menu entry / release, save, data transfer, select / release button

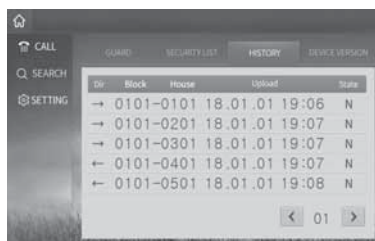
■Guide to menu entry using the jog shuttle

1) To check your call history



1. ⓪ Turn the jog shuttle to select the search icon and then
⓪ Press the jog OK button

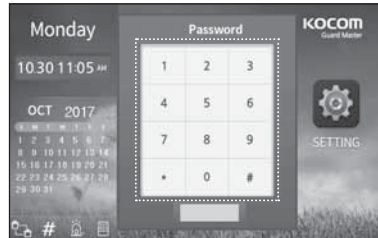
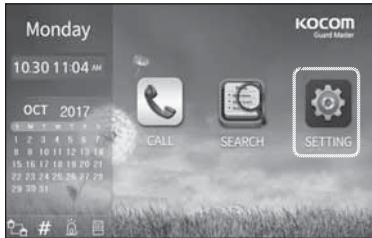
2. ⓪ Turn the jog shuttle to the right to select the call history icon and
⓪ Press the jog OK button



3. You can check the detailed call history list

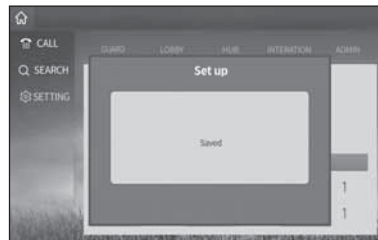
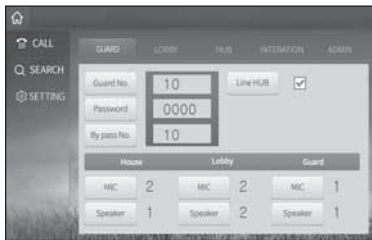
Jog shuttle Description

2) When you enter a guard number



1. ② Turn the jog shuttle to select the setting icon and then
③ Press the jog OK button

2. Use 10KEY to enter 4-digit password and then
③ Press the jog OK button



3. ② Turn the jog shuttle to select the guard icon and then
③ Press the jog OK button and the guard number icon is selected

4. Use 10KEY to enter 2-digit guard number and then
③ Press the jog OK button to save

Jog Shuttle Description

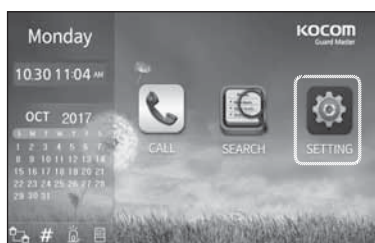
■Description of function buttons in the search and setting screen

Button	Operation contents
Lobby	Move to the left GUI button
Opened door	Move to the right GUI button
#	Menu Entry / Release

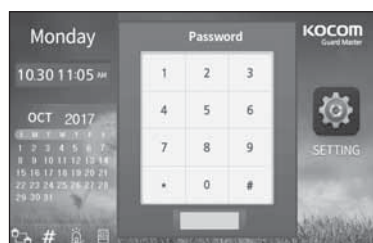
- If the jog Shuttle operation is inconvenient, it can be used with function button in the search and setting menu

■Guide to changing the guard number using the function button

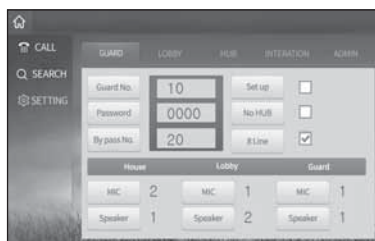
- 1) If you enter a guard number



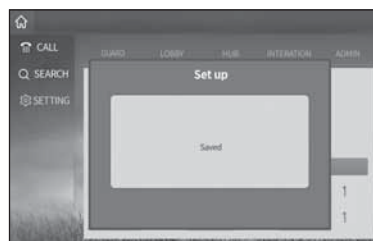
- Select the setting icon and press the jog OK button



- After entering 4 digits of password, press jog OK button

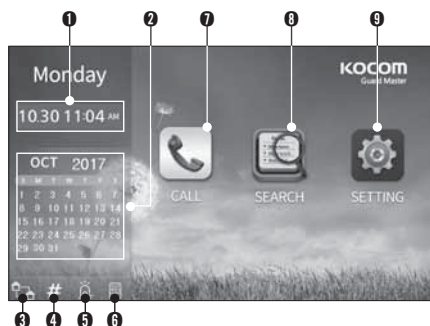


- Press the '#' button to select the guard number icon.



- Enter 2 digits of the guard number and press '#' button to save

Main Screen Icon Description



① Please note!

- ⑥ You can move the main icon menu by using the jog shuttle

- 1** Date & Time : Displays the current date and time
- 2** Calendar : The current date is displayed in red and you can check the calendar
- 3** Status display [] : Display the HUB mode setting status.
(Disable: No HUB Mode, enable: HUB)
- 4** Status display [] : Displays SET-UP mode setting status
(Disable: Release, enable: setting)
- 5** Status display [] : Displays the emergency reception setting status.
(Disable: Release, enable: setting)
- 6** Status display [] : Indicates whether the status check command transmitted from Hub is received or not (Disable: Not received, enable: received)
- 7** Call : Go to the call screen
- 8** Search : Go to the search screen
- 9** Setting : Go to setup screen
- ※ Turn the jog shuttle to move the menu selection.
Press the jog OK button to enter the menu
- ※ Time error occurs, so reset the time periodically.
(Can be set in [Setting → Admin mode])

Sub-screen Icon Description

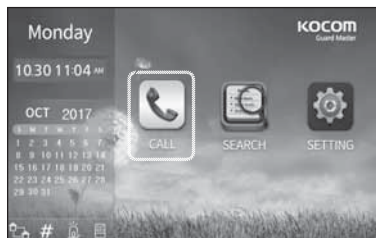


- 1** Home : Select the home icon to go to the main screen
- 2** Call : Displays a call screen
- 3** Search : Displays a search screen
- 4** Setting : Displays a setup screen
- 5** Sub-screen : Displays a detailed setup screen for each function



Call menu guide

It is a menu for smooth communication between residents, Communication of house / lobby / guard / administration is possible



1. Turn the jog shuttle to select the "call" icon on the main screen and then press the jog OK button

2. Go to the following screen

① Menu guide

HOUSE

· House talk House call and talk are available

GUARD/ADMIN

· GUARD/ADMIN Call and talk of GUARD/ADMIN are available

LOBBY

· Lobby You can check the video of the guest who is currently visiting

① Please note!

② Tip for using the Jog shuttle

- ① Function to move pages in the list ② Function to control volume during the talk ③ Function to change talk after entering call number ④ Function to select menu

House talk

■ When calling to a house



1. Press the house call button. Or use the jog shuttle (⊖) to select the call icon and then press the jog (⊙) OK button.
2. If you perform the "block No. + ⊙ jog OK button or # button + house No. + ⊙ jog OK button or # button" of the house to be called, the corresponding house will be called (Call waiting time: 30 seconds) (* You can modify the house No. by pressing the button.)
3. "House calling tone" comes out from the speaker.
4. When the house receives a call, you can talk. (Talk time: 3 minutes)
5. You can pick up the handset and have a talk.
6. You can make a hands-free talk by pressing ⊙ JOG OK button or # button. (Only available when the handset is down.)
7. If you put down the handset during call or talk, it will end and be switched to the main screen.
(When you make a hands-free call, you can either pick up or put down the handset, turn the ⊙ jog shuttle to select the ⑤ home icon, and then press the ⊙ jog OK button to end the call.)
8. Setting and calling House number "12A" instead of 13.
 - Firstly, the "12A" button should be checked in the Settings) Admin Settings screen.
 - Press "1" + "2" + "*" to enter "12A"
 - "*" displays as "A"

① Screen function guide

- ① Display the house No
- ② Display the remaining time during call and talk
- ③ Adjust the receiver volume during the talk. Turn the ⊙ jog shuttle to select "+" or "-" button and the volume will increase or decrease
- ④ Press the ⊙ jog OK button at the location of the house call icon to make a hands-free call
- ⑤ After selecting the home icon, press the ⊙ jog button to end the call and return to the main screen

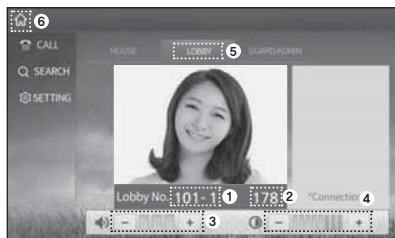
■ When there is a call from a house



- A house calls the guard phone
2. You can hear the house call tone in the guard phone and see the house call screen. (Call waiting time: 30 seconds)
 3. If you pick up the handset, the call will be connected (Talk time: 3 minutes)
 4. You can make a hands-free talk by pressing ⊙ jog OK or # button.
 5. If you hang up the handset during the talk, the call ends and the main screen is displayed

Lobby phone talk

■ If making a call to a lobby phone (monitoring)



1. Press the lobby call button.
2. You can monitor the lobby phone by pressing the "block No. + jog OK button or # button + lobby No. + jog OK button or # button" of the lobby to be called. (Monitoring time: 3 minutes)
3. You can pick up the handset and talk.
4. You can make a hands-free call by pressing jog OK button or # button.
5. If you press the door open button while monitoring, the automatic door connected to the lobby phone opens.
6. Monitoring automatically ends a few seconds after opening and closing the door.
7. If you put down the handset during calling or monitoring, it will end and the main screen will be displayed

① Screen function guide

- ① The connected lobby number is displayed.
- ② Remaining call and talk time are displayed.
- ③ Adjust the receiver volume during the talk. Turn the Ⓢ jog shuttle to select "+" or "-" button and the volume will increase or decrease.
- ④ Adjust the lobby video brightness. Turn the Ⓢ jog shuttle to select "+" or "-" button and the brightness will increase or decrease.
- ⑤ Press the Ⓢ jog OK button at the location of the house call icon to make a hands-free call.
- ⑥ After selecting the home icon, press the Ⓢ jog OK button to end the call and return to the main screen.

■ When there is a call from lobby phone





1. Call the guard phone from the lobby phone
2. You can hear the lobby phone calling tone in the guard phone and see the lobby phone screen. (Call waiting time: 30 seconds)
3. "Lobby phone call tone" comes out from the speaker.
4. You can pick up the handset and talk. (Talk time: 3 minutes)
5. You can make a hands-free talk by pressing Ⓢ jog OK button or # button.
6. When you press the open button during the talk, the automatic door connected to the lobby phone will open.
7. The call ends automatically a few seconds after opening and closing the door
8. If you put down the handset during call or talk, it will end and the main screen will be displayed.




GUARD/ADMIN talk

■ When making a call to the guard

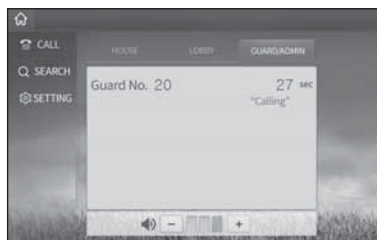



1. Press the guard call button
2. Press "guard No. +  jog OK button or # button" of the guard to be called to call the guard (Call waiting time: 30 seconds)
3. "Guard call tone" comes out from the speaker
4. When a call is connected to the guard to be called, you can talk. (Talk time: 3 minutes)
5. You can pick up the handset and talk.
6. You can make a hands-free talk by pressing  jog OK button or # button.
7. If you put down the handset during call or talk, it will end and the main screen will be displayed.

① Screen function guide

- ① The connected guard No. is displayed.
- ② Remaining call and talk time are displayed.
- ③ Adjust the receiver volume during the talk. Turn the  jog shuttle to select "+" or "-" button and the volume will increase or decrease.
- ④ Press the  jog OK button at the location of the guard call icon to make a hands-free talk.
- ⑤ After selecting the home icon, press the  jog OK button to end the call and return to the main screen.

■ When there is a call from the guard



1. Call the guard phone from another guard phone
2. You can hear the guard phone call tone in the guard phone and see the guard phone call screen. (Call waiting time: 30 seconds)
3. You can pick up the handset and talk. (Talk time: 3 minutes)
6. You can make a hands-free talk by pressing  jog OK button or # button.
7. If you put down the handset during calling or call, it will end and the main screen will be displayed.

GUARD/ADMIN talk

■ When there is a guard call from the interactive interphone



1. Call the guard phone from the interactive interphone
2. You can hear the guard phone call tone in the guard phone and see the guard phone call screen. (Call waiting time: 30 seconds)
3. You can pick up the handset and talk. (Talk time: 3 minutes)
4. You can make a hands-free talk by pressing jog check or # button.
5. If you put down the handset during call or talk, it will end and the main screen will be displayed.

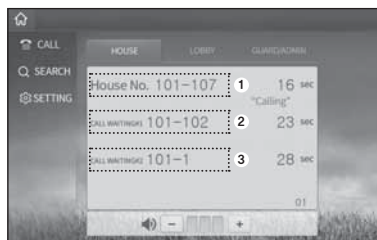
① Please note!

1. It is the same as the guard screen, and the guard No. is 50 or more, it is classified as interactive interphone
2. The way to call the interactive interphone from the Guard phone is the same as the way to call the another Guard phone from the Guard phone

① Screen function guide

- ① The connected guard No. is displayed.
- ② Remaining call and talk time are displayed.
- ③ Adjust the receiver volume during the talk. Turn the jog shuttle to select "+" or "-" button and the volume will increase or decrease.
- ④ Press the jog OK button at the location of the guard call icon to make a hands-free talk.
- ⑤ After selecting the home icon, press the jog OK button to end the call and return to the main screen.

■ Call waiting function



Up to three can receive call, and calls can be made in the order in which they were called first.

① Screen function guide



- ① Display the information of the house called first
- ② Display the information of the equipment called second
- ③ Display the information of the equipment called third

Exchange talk

■ Exchange Talk Function

※An exchange talk is a function to exchange calls among all the houses in the complex through exchange in the guard phone.



1. Press the Exchange button during the house talk
2. Press "Block No. +  jog OK button + house No. +  jog OK button" for exchange call
3. "Calling ..." Is displayed.
4. When the exchange house does not respond within 30 seconds, the automatic call is canceled
5. When the exchange house responds, "Connection" is displayed and a talk between the houses is made. After that, it automatically returns to the main state.
6. Talk between houses in other block is restricted to 3 minutes and are automatically disconnected after 3 minutes.
7. When the house hangs up within 3 minutes, the talk screen will be cleared.

Administration

■ House No. setting function

※ Set and change the house No.. (Only available when you are talking to the house.)

• 8-line System



1. Press the Admin button during the house talk.
2. Select using Ⓢ jog shuttle and then press the house No. guard No. and option No.
3. Enter the value using 10KEY and then press the Ⓢ jog OK button.
4. The popup window will automatically close when setup is completed
5. Password can be only searched.

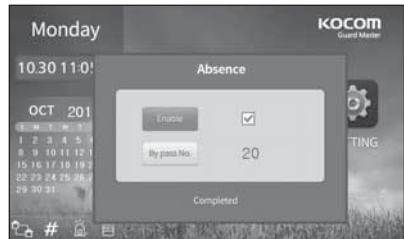
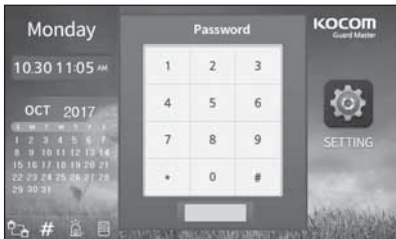
• Line HUB(One UTP) System



1. Press the Admin button during the house talk.
2. Select using Ⓢ jog shuttle and then press the house No.
3. Enter the value using 10KEY and then press the Ⓢ jog OK button.
4. The popup window will automatically close when setup is completed.

■ Setting and clearing guard absence

※ This is a function set when the guard administrator is absent due to going out etc. and is used to bypass to the other guard phone that have been set up in advance when calling from the house and lobby.



1. Press the ENABLE button
2. The password input screen is displayed and the ENABLE screen is displayed after entering the password.
3. You can turn the setting on / off by pressing the Ⓢ jog OK button

Security

■ Emergency transmission function

1. Pick up the handset.
2. Press the (emergency) function button.
 - Check the speaker for an emergency tone.
3. The (emergency) tone stops when you press the emergency function button or put down the handset

■ Emergency reception function (House emergency and guard emergency)



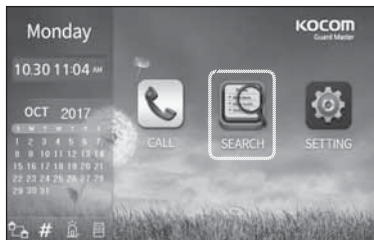
1. The emergency reception screen appears on the monitor, and the speaker emits an emergency tone
2. If a house is in an emergency, press the (jog OK) button to call the house
3. The emergency tone stops when you press the emergency button or put down the handset

① Screen function guide

- ① Display the alarm information.
- ② Display the house No, where the alarm occurred.
- ③ Display the number of times an alarm has occurred.(Up to 10 are displayed, and up to 500 security list searches are saved)



Search menu guide



1. Turn the jog shuttle to select the "search" icon on the main screen and then press the jog OK button.

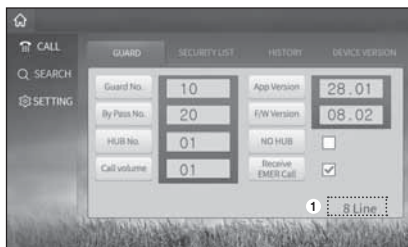


2. Go to the following screen

Menu guide

GUARD	Guard	You can check the guard setting value	SECURITY LIST	View security list	You can check the received security list
HISTORY	Call history	You can check the call history.	DEVICE VERSION	Device	You can check the related device version information.

Guard

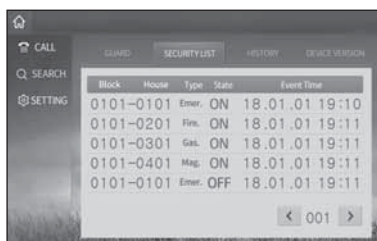


Screen function guide

- 1 Displayed as the set system.
 - 8 Line
 - Line HUB
 - No HUB

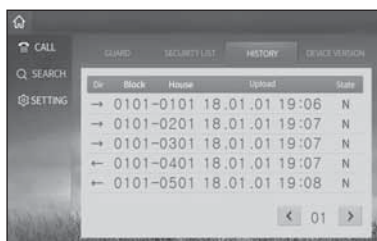
Turn the jog shuttle to select the guard and then press the jog OK button and the guard set value will be displayed

View security list



You can see the security list you received in the security list view.

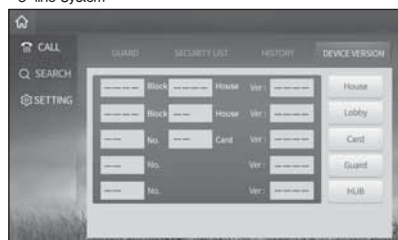
Call history



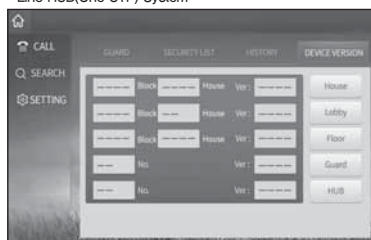
You can check the call history in the call history.

Search Device Version

• 8-line System



• Line HUB(One UTP) System

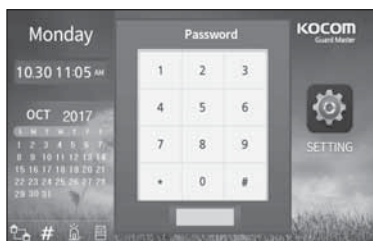
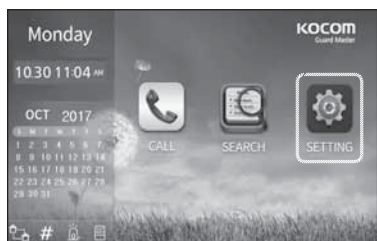


You can check information about the device in the device version search.



Setup menu guide

※ You can set the environment for operation and management of the product. Those other than the installation administrator should not manipulate the setup. If the correct value is not entered, the product may not operate properly



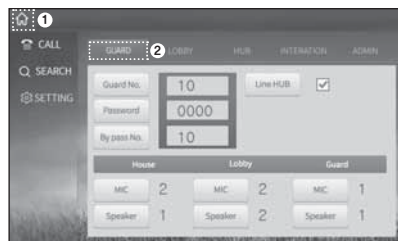
1. Turn the jog shuttle to select the "setup" icon on the main screen and then press the jog OK button.

2. Go to the following screen.

Menu guide

GUARD	· Guard	You can check the setting value related to the guard function
HUB	· Hub	You can set and change Hub No
ADMIN	· Admin mode	You can check admin mode setting value
LOBBY	· Lobby	You can set the lobby function related setting value
INTERACTION	· Interaction	<ul style="list-style-type: none"> • 8 line System Set the connection port when using the interactive interphone • Line HUB Set the connection port when using the interactive interphone

Entry method and password setting



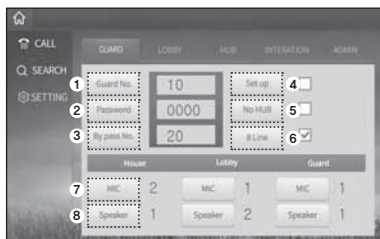
1. Press the number key to enter 4-digit password
(It is set to "0000" during initial production, and password can be changed in setup menu.)
2. Enter the setting screen.

Menu guide

- 1 Press the home icon to go to the main screen.
- 2 Turn the jog shuttle to select the guard and then press the jog OK button to enter the sub menu
 - You can change the setting value by selecting the menu using the jog shuttle.
 - Change numerical value: Use the number keys to change.
 - Check and uncheck: Press the jog OK button
 - How to enter the top menu: Turn the jog button to select the guard and then press the jog OK button to enter the top menu

Guard phone setting

You can set, change, and check the setting values related to the guard function of the guard phone.

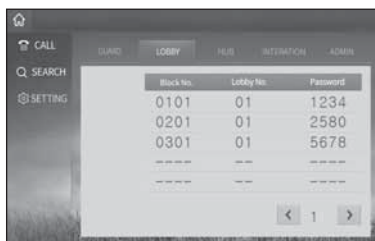
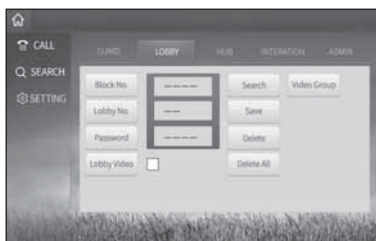


① Screen function guide

- ① Guard No.: Set and change guard No.. (*00: Integrated admin room / 01~49: guard room / 50~99: Save 50 interactions interphone)
- ② Password: Required to enter the setting. (* Initial value: 0000)
- ③ Bypass No.: It is a guard No. to bypass in case of absence. (* Initial value: 00, You cannot disable the setting in multi-house(NO HUB) mode.)
- ④ SET UP: You can receive all call request signals connected to the same Hub.
(* It is used to configure basic environment after installation. When setting, "H" icon is displayed at the bottom of main screen.)
- ⑤ Multi-house mode: Used in multi-house(NO HUB) mode. (* Fixed to Guard No. 10)
- ⑥ 8-line/Line HUB: MIC / SP sensitivity automatically changes
- ⑦ MIC sensitivity: Adjust the sending sensitivity when talking. (* 1 - Medium, 2 - Large)
- ⑧ SP sensitivity: Adjust the receiving sensitivity when talking. (* 1 - Medium, 2 - Large)

Lobby phone setting

You can set, change and check lobby function related setting value of the lobby phone.

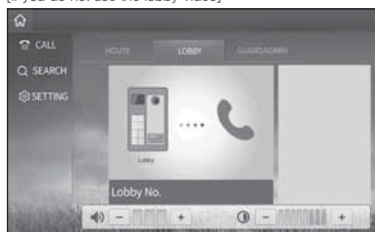


1. After entering the block No., lobby No., and password, select the "upload" or "Delete" icon and press the Ⓢ jog OK button to upload or delete.
(* You can save up to 50 lobby phone numbers.)
2. Select the "search" icon and then press the Ⓢ jog OK button to confirm the uploaded information.
3. Select "Delete All" icon and then press the Ⓢ jog OK button to delete all uploaded information.
4. Lobby video: You can select whether to use lobby video.

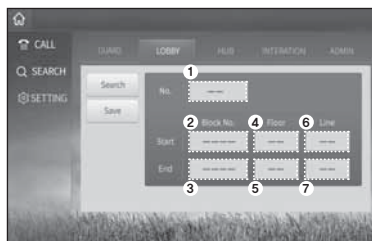
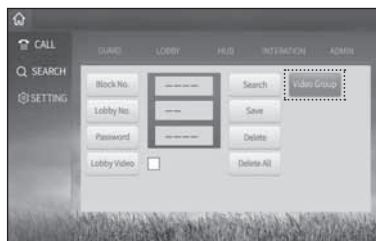
[If you use the lobby video]



[If you do not use the lobby video]



Lobby phone video control (8-line/K6B)



1. Rotate the jog shuttle to select the "video group" icon and then press the jog OK button to display the lobby video control screen.
(The setting related to the video connection of the lobby phone is transmitted to Hub.)
2. Search : Turn the jog shuttle to select [Number]. After entering the number, select the "search" icon and then press the jog OK button to display the lobby video control setting value.
3. Upload : After entering number, start block No., end block No., start floor, end floor, start line, end line information, select the "upload" icon and then press the jog OK button to upload the upload information in Hub.

① Screen function guide

- ① Number : Enter the admin number (* should be the same as the lobby phone input number)
- ② Start block No. : Enter the start building
- ③ End block No. : Enter the end building
- ④ Start floor : Enter the start floor
- ⑤ End floor : Enter the end floor
- ⑥ Start line : Enter the start line
- ⑦ End line : Enter the end line

Lobby phone video compensation control (Line HUB)



– As a function to compensate the video loss according to video wiring distance, it supports two functions of Enable and Disable

1. Turn the jog shuttle to select the "Block No." icon of Set Video compensation and enter the block number.
2. Select the "Enable" or "Disable" icon and press the jog OK button to complete the setting.

① Guide to screen function

– Block No.: Enter the block number. (If you enter block 0, the entire block is equivalent)

Setup in the GuardPhone according to the symptoms	Setup	Description
If installation conditions are normal, they are as follows. – VP video is normal during LP and VP call, talk	VIDEO Compensation Disable (DEFAULT)	– KU-F100(FLOOR HUB) sets video compensation value again during call, talk with LobbyPhone and VideoPhone. – The YELLOW LED lights up immediately on the LINE HUB (KU-P100INT) during LP and VP call, talk
When wiring noise is more, the following phenomenon occurs –VP video shakes during LP and VP call, talk	VIDEO Compensation Enable	– KU-F100 (FLOOR HUB) maintains the video compensation value set during LobbyPhone and VideoPhone call and talk – YELLOW LED does not light on the LINE HUB (KU-P100INT) during LP and VP call, talk

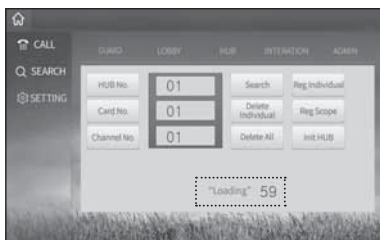
– For details, refer to the KU-P100INT manual.

Hub setting (8-line /K6B)

※ You can modify and check the Hub No. and card information when using the Hub of the guard phone.

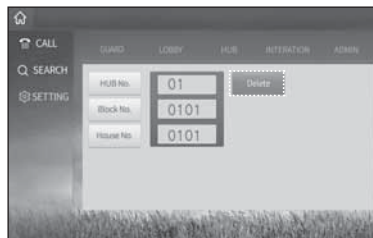
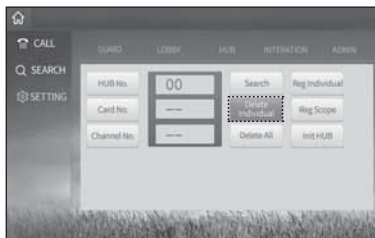
※ You must set the 8-line system first in the Admin mode of the Setup menu to see the following menu.

■ Search house card



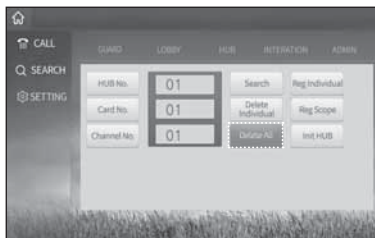
1. After entering the Hub No., card No., and channel No., select the "search" icon and press the jog OK button.
2. When searching, display the status being searched as the number of houses (Deducted from the total number registered.)
3. To see house information that has already been searched, select the "search" icon without entering the card No. or channel No. and press the jog OK button
4. You can check the list of house cards. (Display the information of up to 10 houses in 1page.)

■ Delete individual house card



1. Select the Delete Individual icon and press the jog OK button.
2. Enter the Hub No., block, house No., select the delete button icon, and then press the jog OK button to delete the corresponding block – house No.

■ Delete all house cards



Enter the Hub No., card No., and channel No., select the Delete All button icon, and press the jog OK button to delete all the house information of the card and channel.

Hub setting (8-line/K6B)

※ You can modify and check the Hub No. and card No. when using the Hub of the guard phone.

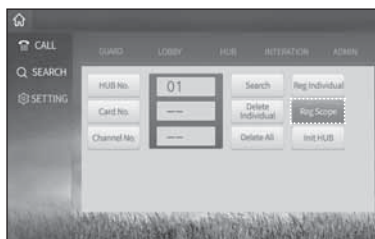
※ You must set the 8-line system first in the Admin mode of the Setup menu to see the following menu.

■ Registration Individual House card



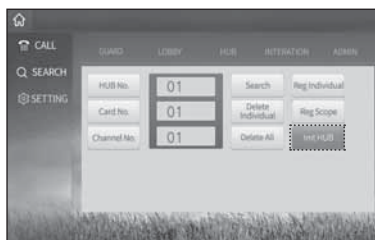
1. Select the Reg Individual icon and then press the jog OK button
2. Enter group, Guard No., card No., channel No., block No., house No. and option No.
3. After entering the house information, select the registration icon and click the jog OK button to register.

■ Registration House card Scope



1. Select the Reg Scope icon and then press the jog OK button.
2. Enter group, Guard No., channel No. start floor, end floor, start line, end line, and block No.
3. After entering the house information, select the registration icon and press the jog OK button to register.

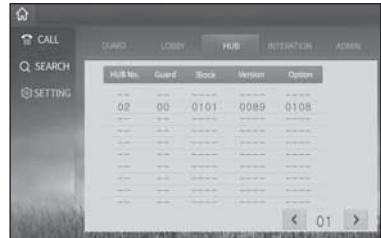
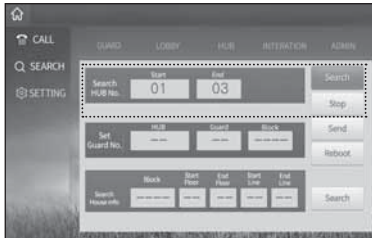
■ Initialization HUB



Select the Confirm icon and then press the jog OK button to start the initialization.

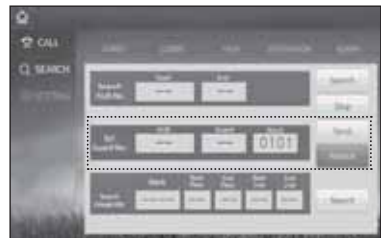
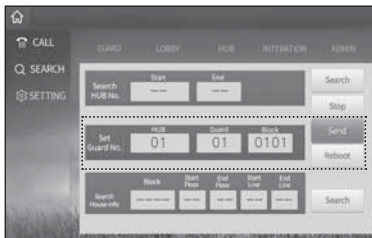
Line HUB(One UTP) Setup

■Line HUB search



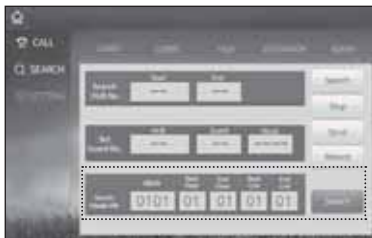
1. Enter the Line HUB number of the range to be searched and press the "Search" button.
E.g.) It is a case of searching Line HUB 01, 02, 03 and total number is 3 (However, the range that can be searched at one time is 100)
2. When searching, the status being searched is displayed in the number of houses
3. If you press the "Stop" button during the search, the search is terminated and the result is displayed.

■Line HUB Registration



1. Enter the Line HUB number to be registered, the guard number, and the block number, then press the "Send" button
2. Line HUB, Floor HUB device of the block number is rebooted

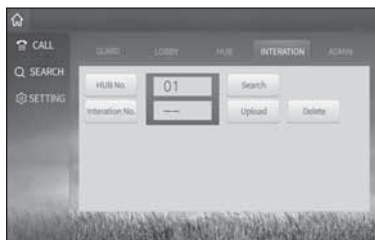
■House number search



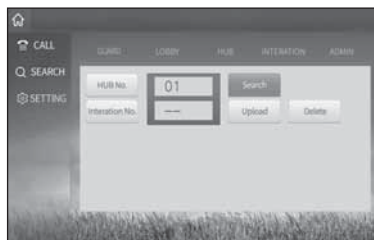
1. Search in a batch by registered conditions of the information of the house
2. Block : Enter the block number
3. Start Floor : Enter start floor.
4. End Floor : Enter end floor.
5. Start Line : Enter start line.
6. End Line : Enter end line.


Interaction interphone setting (8-line/K6B)

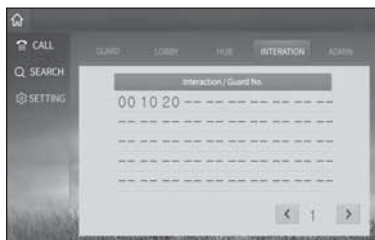
You can search/ register/ delete number when using the interactive interphone of the guard phone.



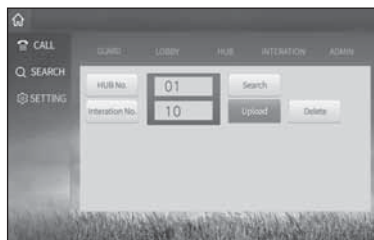
1. You can search, register, and delete numbers when using the interactive interphone of the guard phone.




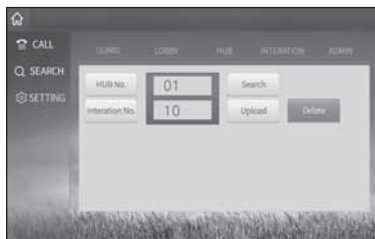
2. After entering the hub No., select the search icon and press the  jog OK button to search the currently registered interaction list.




3. The registered interaction No. is displayed.

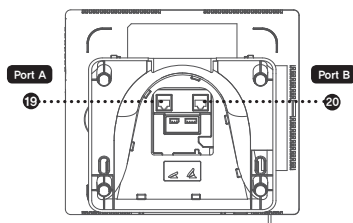
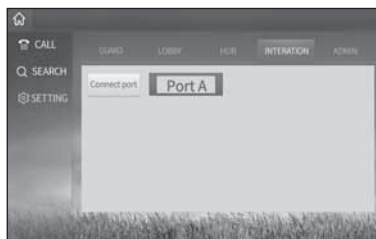


4. After entering the Hub No. and interaction No., select the register icon and press the  jog OK button to register the interaction No.



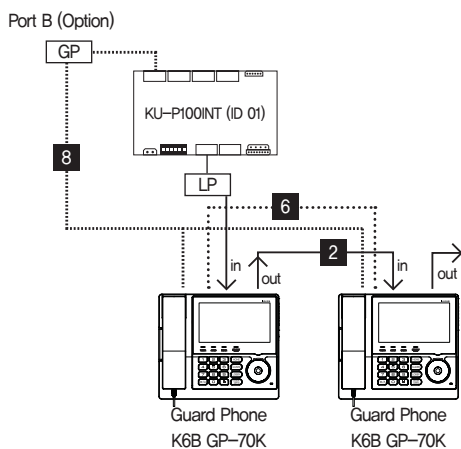
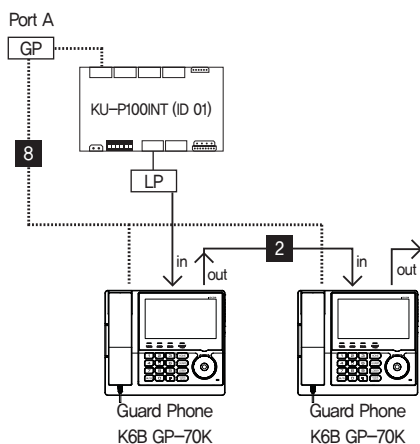
5. After entering the Hub No. and interaction No., select the delete icon and press the  jog OK button to register the interaction No.

Interaction interphone setting (Line HUB)



- 19: Port A
- 20: Port B

1. Set the connection port when using the interphone of the guard phone



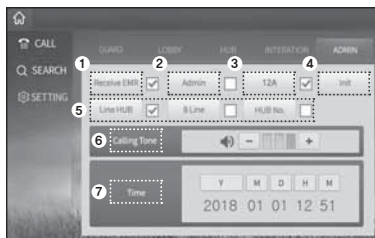
Wiring specifications

- **8** Data / Voice (8 lines) polarity UTP 4P * 1
- **2** — Lobby video: Lobby → guard video output (coaxial cable 1P)
(Note: Video noise may occur depending on installation conditions when UTP is used)
- **6** Inter wiring (KIP) Port B : Mutual talk between guards (6 lines) polarity (UTP 3P * 1) /
③ VOICE1+ ④ VOICE1- ⑤ VOICE2+ ⑥ VOICE2- ⑦ VOICE3+ ⑧ VOICE3-

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

Admin mode setting

You can set / change / check the setting value in the admin mode of the guard phone.



① Screen function guide |

※The default setting is 8-line system at initialization. (The 8-line system is used with the K6B system.)

- ① Emergency reception : When set, alarm occurrence and alarm status are displayed. Alarm information is saved as default.
- ② Admin guard phone : Set when using as admin (Master) guard phone
- ③ 12A : When using "12A" house number input
- ④ Initialization
 - Guard phone No. : 99 / Password: 0000 / Bypass No: 0 / Hub No.: 0
 - Call volume: 2 / Screen brightness: 5
 - House calling tone: 2 / Lobby calling tone: 2 / Guard calling tone: 2
 - Absence : OFF/ Multi-house(NO HUB) : OFF/SETUP : OFF/Admin : OFF
 - Delete security list / Delete call list / Delete lobby management list / Delete interaction list
- ⑤ System setting : You can change to the system mode.
- ⑥ Calling tone : You can set the volume of calling tone to 3 levels.
- ⑦ Time : Set the guard phone time. (※ The Hub time connected is also changed.)

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

K6B GP-70K

S0810