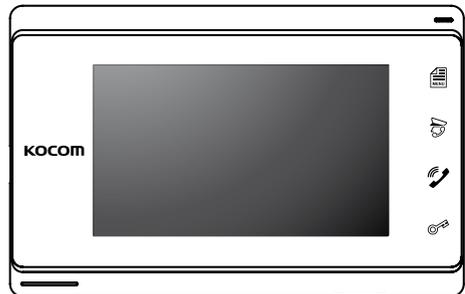


## K6B VP-70C MANUAL

[7" Digital Color LCD Videophone]

# K6B SYSTEM HANDFREE COLOR VIDEOPHONE

- Compact slim design
- 7-inch Digital Color LCD Monitor
- Visitor talk and open function
- Interactive talk function between guard room and lobby phone
- Front door camera monitoring function
- Lobby phone monitoring function
- Interlock function without hub (multi-house mode)
- Security (sensor) interlocking operation according to Out setting
- Display of operating status OSD and icon
- Interworking K6B system with UTP 8 lines
- Self-diagnosis function of System Main wiring connection (Can be run on K6B lobby phone)
- Delivery notification and car entry notification function as an option when interlocked with hub
- LINE HUB system interlocking
- One additional monitor can be added to the same household



K6B VP-70C

### Front door camera



KC-MC30

# Cautions for safety

For safe use, please stick to the following cautions.

- Please do not dispose this manual after reading the instructions carefully.
- 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.
- Please read all instructions to set up rightly.

## 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 must unplug the unit.



Sign to tell you that you can't disassemble this unit.



## Caution

### ⦿ Cautions for set-up



- The law limits distributing the power wire 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 wire 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 wire 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.
- 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 powder 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 wire for installing when you use the exiting wire.
- 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 wire from the units before relocate the product.

## ⊙ Cautions for Use

- This unit is not designed for security purpose. · Do not handle the unit with the wet hands.
- 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



- Do not disassemble the back and cabinet cover.

## ⊙ 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

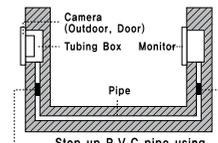
- Separate the AC/DC wire with the hook of the wall-mounted type when installing. · Connect the wire after peeling the wires properly.
- Do not distribute signal line with AC line. · Use the designed driver to connect the wire to terminal.
- Do not clean the LCD with the damp cloth for cleaning. Use 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

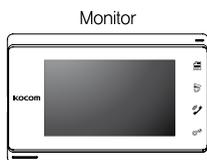
- In some cases there is occurrence of product destruction, malfunction, noise mixing and picture quality deterioration due to mixing of other tool's induced, voltage or thunder with communication wiring of monitor/camera, monitor/extended monitor.
  - Do not wire with power line such as outdoor wiring 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 you install a product nearby an antenna used for broadcast media, image could be distorted or mixed with a voice so that it is likely not to work properly in some functions.
- Avoid installing near tools with strong electromagnetic waves such as microwaves and cell phones, as it may cause a picture distorted or a voice with a noise. In that case, the product is likely not to work properly in some functions.
- 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.



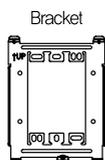
Stop up P.V.C pipe using adiabatic substances, to prevent air circulation

## Product Components

### ■ Monitor Components



Monitor



Bracket

4×25mm(4EA)

• A Wall hanger frame screw

3×8mm(1EA)

• A Wall mount bracket monitor screw



• Wiring for 8P system line connection (1ea)



• Wiring for 4P Sensor connection (1ea)

• Wiring for 4P door lock connection (1ea)



• Connector wiring for power (AC 220V) connection



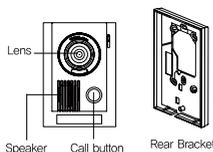
• Wiring for 4P front door camera connection (1ea)



• Wiring for 5P lobby Video input&output connection (1ea)

### ■ Door camera Components

[KC-MC30]



Lens

Speaker

Call button

Rear Bracket

4×25mm • Screws for fixing main body on the wall

4×8mm • Screws for fixing camera to main frame supporter

• "L" wrench

## Specifications

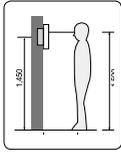
### ■ Monitor

Model	K6B VP-70C
Power	100-240V~, 50/60Hz
Rated power consumption	1.5W(When stand-by), 13W(When operating)
Operating temperature	0°C ~ +40°C
Talking method	Handfree
LCD	7-inch digital LCD
Wiring method	System line: 8 lines (polarity) Lobby video: 2 lines (polarity) (UTP or coaxial) Front door camera: 4 lines (polarity)
Method of installation	Surface mount
Size	271(W) X 173(H) X 26(D)mm

### ■ Front door camera

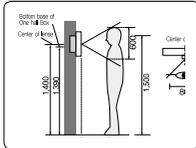
Model	KC-MC30
Rated voltage	DC 12V±1V(Sourced from Monitor)
Power power consumption	2.5W
Operating Temp.	-10°C ~ +50°C
Size	110(W) X 158(H) X 39(D)mm
Lens angle	Diagonal 100° (angle adjustable)

## Installing guide



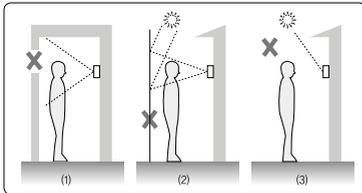
### ■ Monitor installation location

- Recommended installation height is about 1,500mm where screen center is at eye level.  
In this case, wall-hanging metal center (center of piping) is 1,450mm above ground level.



### ■ Camera installation location

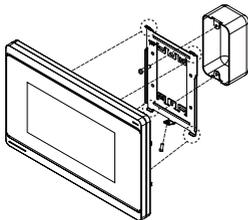
- Recommended installation height of door camera is where lens is about 1,400mm above the floor.  
In this case, camera stack center (Buried box) is above 1,390mm above ground level.



### ■ Caution of camera installation

- Avoid installing camera exposed to direct sunlight or lights.
- Back light or shadow on visitor's face may occur difficult recognition.
- Avoid installing camera in places such as the following picture.
  - (1) Place illuminating sky as background
  - (2) Place with white wall reflecting direct ray of light
  - (3) Place with direct ray of light

### ■ Monitor installation



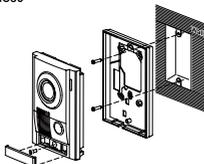
#### ■ Directly connecting cut-off power cord with power wire

- 1) Personal electrical work must be avoided, Please find local installer or electrician for installation.
- 2) power cords must be insulated with insulation tape after the work. [Exposed wires may cause fire or electric shock.]
- 3) Highly recommend to cut main power supply off before electrical work.

- 1) Remove metal wall hanger bracket behind monitor.
- 2) Install metal wall hanger bracket on 1 type box or wall with attached screw.
- 3) Connect wiring to monitor back terminal referring to product connection diagram.
- 4) Hang monitor on metal wall hanger bracket, and fix monitor on metal wall hanger bracket using attached screw.
- 5) Test the product status if the monitor is both plugged in and switched on.

### ■ How to install the camera

KC-MC30



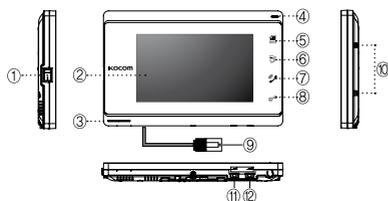
※ To control camera lens angle, arrange the camera angle ball up, down, right & left way.



- 1) Install the wall mount bracket in 1 hole box or wall with screws.
- 2) Refer to the product wiring diagram on the rear terminal of the front door camera for wiring.
- 3) Hang the front door camera on the wall mount bracket and secure it to the wall mount bracket using the screws.

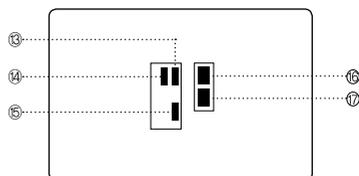
## Description and function of each part

### ■ Monitor front side



- ① Power switch : Use by turning AC power ON / OFF.
- ② Monitor screen (LCD) : Output of image sent from camera.
- ③ Speaker
- ④ Microphone
- ⑤ Out mode button : Out mode setting (Menu set up button)
- ⑥ Guard button : Call & talk with guard (Up key in set up menu)
- ⑦ Talk button : Talk when there is call (Down key in set up menu)
- ⑧ Door open button : Unlock the door during talk  
 (Enter/Exit key in set up menu)
- ⑨ Power cord : AC power cord jack
- ⑩ Power LED

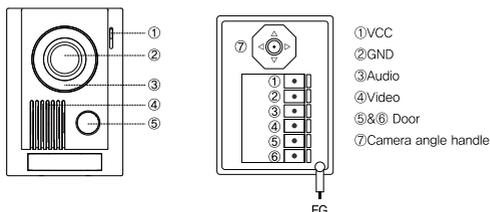
### ■ Monitor rear side



- ⑪ Call volume adjustment switch : Adjusting call sound in 3 steps [high, medium, low] to use. (In default : [medium])  
 \* Cannot adjust call sound to "mute"
- ⑫ Speaking volume adjustment switch : Adjust speaking volume transmitted from camera to monitor in 3 steps [high, medium, low] to use. (In default : [medium])
- ⑬ System line connection terminal : Connects system line
- ⑭ Camera terminal : Connects camera
- ⑮ Lobby video input & output connection terminal : Connects the input & output wiring of the lobby video.
- ⑯ Digital door lock connection terminal : Connects front door lock (DC type) or Digital door lock
- ⑰ Sensor connection terminal: Connects security sensor and external emergency input.

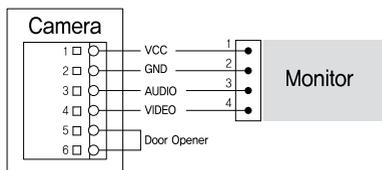
### ■ Door camera

[KC-MC30]



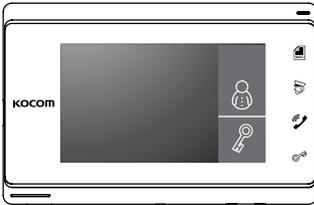
- ① VCC
- ② GND
- ③ Audio
- ④ Video
- ⑤ & ⑥ Door
- ⑦ Camera angle handle

< KC-MC30 Wiring diagram >



NO.	Spec.	UTP Color
1	Power	ORANGE/WHITE+ORANGE
2	GND	GREEN/WHITE+GREEN
3	Voice(Audio)	BLUE/WHITE+BLUE
4	Video	BROWN/WHITE+BROWN

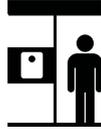
## OSD Icon Indicator



- Display of icons during call reception event occurrence and call transmission operation



CAMERA  
(Front door)



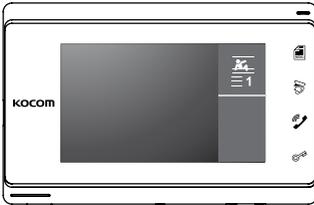
LOBBY



GUARD



OPEN



- Display of icons when security event occurs



EXEMC  
(External emergency)



SEC1  
(Security 1)



SEC2  
(Security 2)



- Display of icons when the menu button is pressed in the event of a security



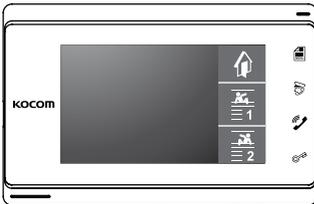
CLEAR  
(Return)



ALARM  
(Start alarm)



STOP  
(Stop alarm)



- Press the menu button in stand-by to display the Out setting icon



ABSC\_O  
(Out setting)



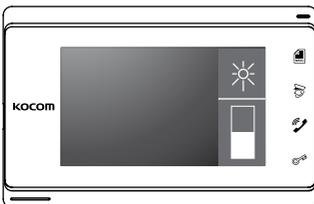
ABSC\_X  
(Out release)



SEC1\_O(Setting)  
SEC1CK(Check)



SEC2\_O(Setting)  
SEC2CK(Check)



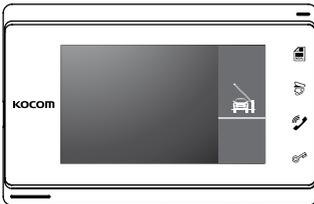
- Display of icons in screen brightness control



BRIT  
(Brightness)



(Brightness stage)



- A main device option displays parking system and courier system interlocking icon



CARIN  
(Parking)



DELIV  
(Delivery)

※ Icon design and location might be changed

## How to use

### ■ When a visitor makes a call from a front door camera



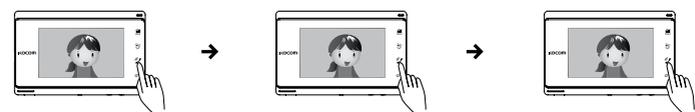
When the visitor presses the call button, the call goes to the monitor.

You will hear a call tone on the monitor speaker and see a visitor on the screen. (Video time: 30 seconds)

Press the [talk] button to connect the talk. (Talk time: 3 minutes)

Press [talk] button again to exit. If you press [Open] button during the talk, the door will open and the talk will end automatically after a while. (Possible when connecting the monitor and front door opening and closing)  
※Open is possible only during the talk

### ■ If you want to see the front door image on the monitor

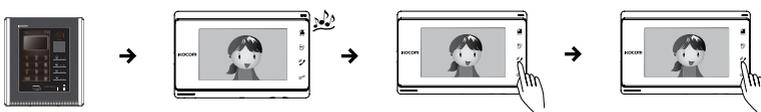


Press the [talk] button, and you can see the image of the front door camera on the screen. (Video time: 30 seconds)

Press [talk] button again to connect the talk. (Talk time: 3 minutes)

Press [talk] button again to exit. If you press [Open] button during the talk, the door opens and the talk is automatically terminated after a few seconds.

### ■ When a visitor makes a call from the lobby



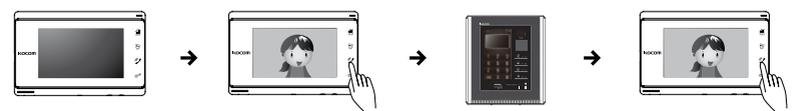
A visitor presses the call house No. in the lobby to make a call.

You will hear a call tone on the monitor speaker and see a visitor on the screen. (Video time: 30 seconds)

Press the [talk] button to connect the talk. (Talk time: 3 minutes)

Press [talk] button again to exit. If you press [Open] button during the talk, the lobby door opens and the talk is automatically terminated after a few seconds.  
※Open is possible only during the talk.

### ■ If you want to talk while seeing the lobby on the monitor



When you enter the administrator [Setting] menu, lobby number: \_\_ exists. (Set your default build to No. 01)

Press [talk] button for 2 seconds when waiting to communicate with your lobby number.

When the lobby phone answers, the talk is automatically connected. (Talk time: 30 seconds)

Press [talk] button again to exit. If you press [Open] button during the talk, the lobby door opens and the talk is automatically terminated after a few seconds.

※If you press the Out button for 2 seconds within 1 minute after turning on the power, it enters the administrator [Setting] menu.

## How to use

### ■ When calling from the guard



### ■ When calling from the house to the guard



※ In HUB(system) mode : Available to call 2 Guard phones.

Pressing (Guard) button for 2 secs. to call to main guard phone (Administrative room).

※ In NO HUB mode : Only one guard phone can be set.

## Security Function

### 1. Security setting function

1) If you press the  menu button when stand-by mode, you can see the out, security 1, and security 2 icons as shown in the picture, Press the  open button at exit and you will return to the standby screen,

#### 2) Security 1 setting operation

- Security 1 can be disabled by pressing the  guard button,
- If it is not possible to set due to the security 1 check mark, set the sensor as a standby condition with the condition that the sensor is being detected on the security 1 connection terminal,
- If the sensor is detected on the security 1 connection terminal normally when the security 1 is set, the alarm sounds on the product, the corresponding build and room are displayed on the guard phone, and an alarm sound is also generated in the guard phone,
- The sensor also operates Normal Close, (Example: magnetic sensor)

#### 3) Security 2 setting operation

- Security 2 can be disabled by pressing the  talk button,
- If it is not possible to set due to the security 2 check mark, set the sensor as a standby condition with the condition that the sensor is being detected on the security 2 connection terminal,
- If the sensor is detected on the security 2 connection terminal normally when the security 2 is set, the alarm sounds on the product, the corresponding build and room are displayed on the guard phone, and an alarm sound is also generated in the guard phone,
- The sensor also operates Normal Close, (Example: magnetic sensor)
- Security 2 can be changed to external emergency input on the menu screen,

#### 4) How to cancel security 1,2

- When a security alarm occurs, press the  menu button for 2 seconds to release all,
- When a security alarm occurs, press the  menu button and the OSD and icon will be displayed on the right screen, To activate the [Return]  icon at this time, press the  guard button to clear the alarm,
- When a security alarm occurs, press the menu button and the OSD and icon will be displayed on the right screen, To activate the [Stop alarm]  icon, press the  talk button to stop the alarm only,

### 2. External emergency function (Option : Change the menu screen setting 7 EXT EMG(External emergency operation,)

1) After entering menu screen setting, select with Normal Close / Open according to sensor type in

7 EXT EMG(External emergency operation, If you select the above, security 2 icon and function will be deleted automatically

2) If the sensor is detected at the security 2 sensor port during external emergency setting, the emergency icon [external emergency] will be displayed and the alarm will sound at the product and the corresponding build, room will be displayed on the guard phone, and an alarm will sound,

#### 3) How to clear external emergency

- Press the guard button during an external emergency event and press the  menu button to activate the [Return]  icon on the screen as shown in the picture to clear the external emergency situation,
- Pressing and holding the  menu button for 2 seconds during an external emergency event will clear the external emergency situation,



## Security setting

### 3. Out setting function

- 1) If you press the  menu button when stand-by mode, you can see the out, security 1, and security 2 icons as shown in the picture.  
Press the  open button at exit and you will return to the standby screen.
- 2) Press the  menu button to select [out setting] or [out release].
- 3) Operation when setting out
  - When outgoing is set, the call is made to the guard room about 60 seconds after the call is made from the lobby phone to the corresponding house
  - When outgoing is set, the outgoing status will be displayed in the guard phone when the call is made from the guard phone to the corresponding house.
  - If the security is not set, the alarm will not sound even if a security sensor is detected.
- 4) When you use the product at home (e.g, press the button), the outgoing setting will be automatically cleared



## User settings

### 1. Adjusting LCD brightness

- In call or talk operation mode, press Menu button next to Brightness Icon. To close this window, press Door open button next to Exit Icon.
- Guard button is for Up, Talk button is for down.



### 2. Adjusting call volume

- Adjust call volume switch (11).

### 3. Adjusting speaker volume

- Adjust talk (speaker) volume switch (12).

## Security setting

### 4. Call melody change

Call melody can be changed among 5 melody .

#### 1) Door camera call melody

Press Menu button (  ) 2 times in door monitoring status, select door camera icon and change door camera call melody using Guard (  ), Talk (  ) button. To close this function, press Door open (  ) button.



#### 2) Lobby phone call melody

Press Menu button (  ) 3 times in door monitoring status, select Lobby icon and change Lobby phone call melody using Guard (  ), Talk (  ) button. To close this function, press Door open (  ) button.



#### 3) Guard phone call melody

Press Menu button (  ) 4 times in door monitoring status, select Guard icon and change Guard phone call melody using Guard (  ), Talk (  ) button. To close this function, press Door open (  ) button.



## Installer setting

- If you turn on the power switch on the left side of the product and press and hold the menu button for 2 seconds within 1 minute, the Installer Settings screen will appear as below.

[ Setting ]	
1. ID NUM	: 9999-9999 Only
2. PASSWORD	: ? ? ? ?
3. LOB NUM	: 01, VD I/O off
4. MODE	: HUB : 13 → 12A
5. CAMERA	: C60 : MIC,SPK
6. DOOROPEN	: 1 SEC
7. EXT EMG	: SEC2 USE
8. VIDEO	: AUTO
9. INITIAL	: NO

### <KEY button usage on setting screen>

-  Menu button : menu, exit
-  guard button : up, increase
-  monitoring button : down, decrease
-  Door open button : enter, set

- ID NUM(House No.)** : Set the house No. and use of extension monitor.  
(When using a KHU-305 system)
  - If the Hub (KHU-305) is connected, refer to the KHU-305 installation manual for house number batch registration.
  - Each House No. registration & Change is available through Guard phone after line is connected with monitor (In talking states). (LINE HUB system)
  - Register each house No. on the monitor. (Main, Sub monitor setting in extension)
  - ONLY : Only one monitor used
  - MAIN : Set the first monitor as main when used 2 monitors in a same house.
  - SUB : Set the second monitor as sub when used 2 monitors in a same house.  
Sub extension monitor should have same ID number & setting value as same as Main monitor.
- PASSWORD** : The resident can register the house password he/she wants and open the door with the corresponding house password in the lobby phone.
- LOB NUM(Lobby No)** : You can make a monitoring from lobby phone which lobby number is set.
  - VD I/O (VIDEO IN/OUT) OFF : Lobby Video IN/OUT in setting menu should be OFF in Line Hub System.
  - VD I/O (VIDEO IN/OUT) ON : Lobby Video IN/OUT in setting menu should be ON in KHU-305 & Multi-house system.
- MODE** : The default is hub.
  - HUB : There is a hub. The LINE HUB system is also set to this mode.
  - NO HUB : Composed only of guard, lobby, or household device without a hub.
  - 13 → 12A : ID 13 number → 12A number Change display. (Default Set)
  - 13 → 13 : ID 13 number → 13 number display.
- CAMERA : C60 (- MODEL Select**  
**MIC, SPK(sensitivity)** : You can change each individual call sensitivity value when entering MIC, SPK(speaker) sensitivity.
- DOOROPEN(Front door opening time)** : The default is 1 second.
  - 0.1sec~ : The door open time is maintained as long as the open button is pressed.
  - 1 sec, 2 sec, ... , 9 sec : If you press the open button, the door open time will be maintained as long as the time.
- EXT EMG(External emergency operation)** : The default is the security 2 sensor.
  - Operation with security 2 sensor : External emergency does not work and works with security 2 sensor.
  - Normal Open : Security 2 sensor operates as external emergency, and when security 2 sensor signal line is connected, external emergency will work.
  - Normal Close : Security 2 sensor operates as external emergency, and when security 2 sensor signal line is disconnected, external emergency will work.
- VIDEO** : AUTO, NTSC, PAL selection in case the video synchronization is not good.
- INITIAL(Reset)** : Is default No.
  - Yes: Press the open button to reset all settings. It requires special attention.

## Precautions

- If you set [4 MODE (HUB/NO Hub)] incorrectly in the Installer Settings, you cannot call the guard or lobby.
- When installing KHU-305 system be sure to register the house number in KHU-305 in batch or individually.
- In case of external emergency sensor, emergency sensor can be classified into N.O (Normal Open) and N.C (Normal Close) as shown in the picture. Be sure to install external emergency sensor and then (N.O or N.C) according to sensor type Change the setting in '7 EXT EMG(External emergency operation)' in menu setting. If the external sensor setting method is different with no external emergency sensor installed, the product will beep continuously.

Sensor mode	Standby	During event
N.O Normal Open		
N.C Normal Close		

## Wiring Diagram

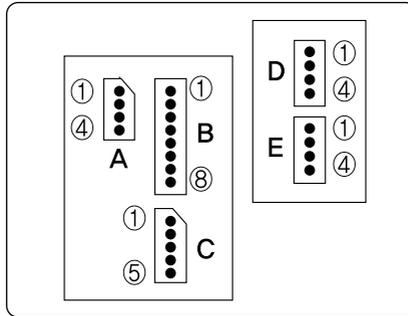
※Security 2 sensor can be used as external emergency alarm input after changing function in Menu.

### A. DOOR CAMERA

- ① VCC
- ② GND
- ③ AUDIO
- ④ VIDEO

### B. K6B SYSTEM LINE(LINE HUB)

- ① DATA\_A
- ② DATA\_B
- ③ No connection
- ④ No connection
- ⑤ VOICE2+
- ⑥ VOICE2-
- ⑦ VOICE3+
- ⑧ VOICE3-



### D. Door

- ① 12V
- ② GND
- ③ DOOR(COM)
- ④ DOOR(NO)

### E. Sensor

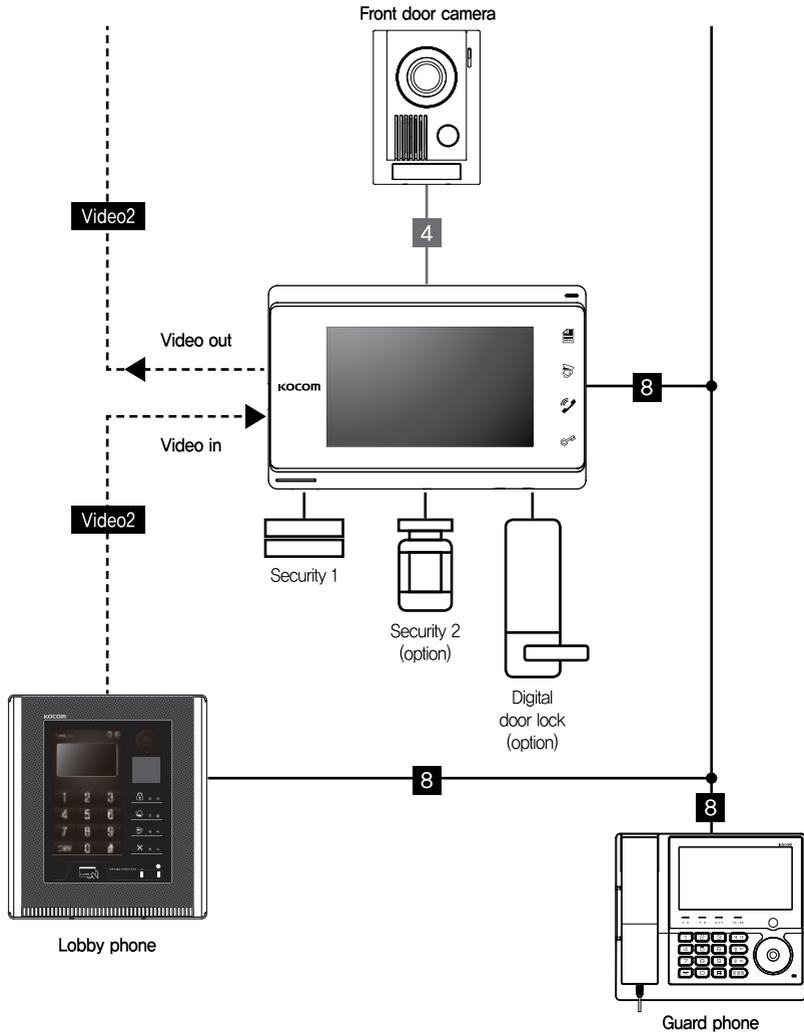
- ① 12V
- ② GND
- ③ Security 1
- ④ Security 2

### C. LP\_VIDEO IN/OUT

- ① LP\_VIDEO\_IN+
- ② LP\_VIDEO\_IN-
- ③ LP\_VIDEO\_OUT+
- ④ LP\_VIDEO\_OUT-
- ⑤ LP\_VIDEO SELECTION

## Wiring diagram

### ■ NO HUB Wiring diagram



#### Wiring

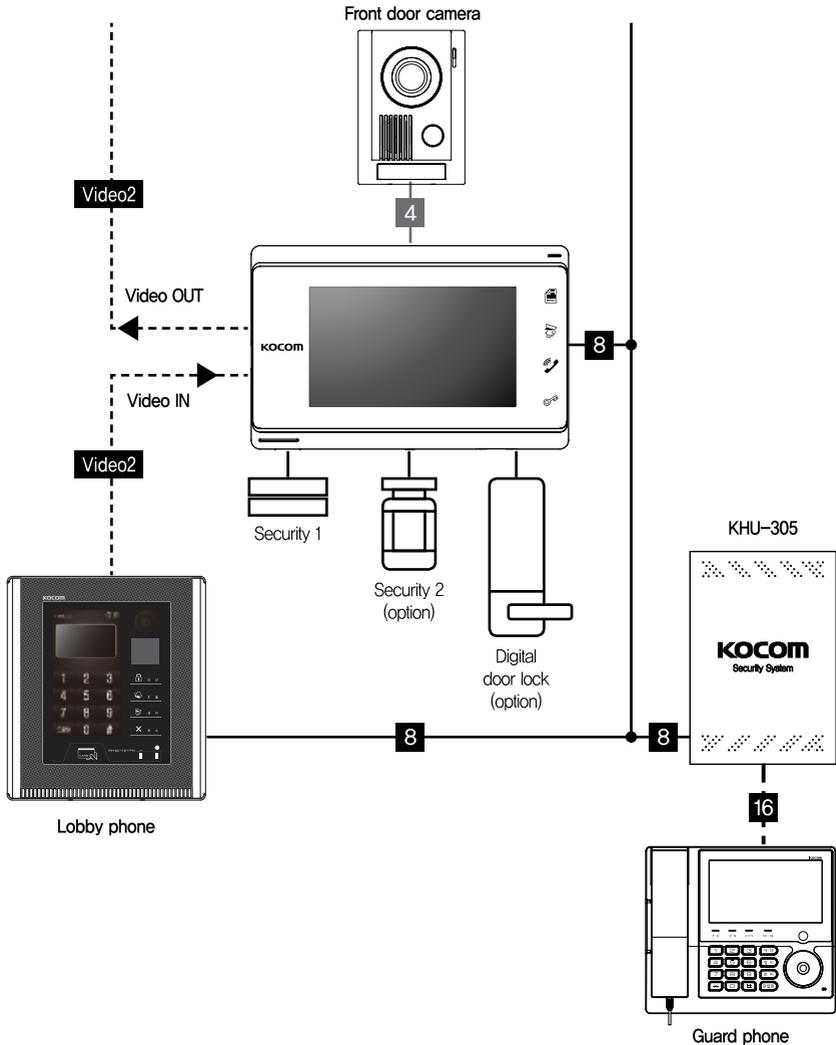
— 8 — Communication / VOICE (8 wire) UTP 4P x 1

•• Video2 •• Lobby phone video : UTP 1P x 1 or Coaxial cable

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

## Wiring diagram

### ■ KHU-305 system Wiring diagram



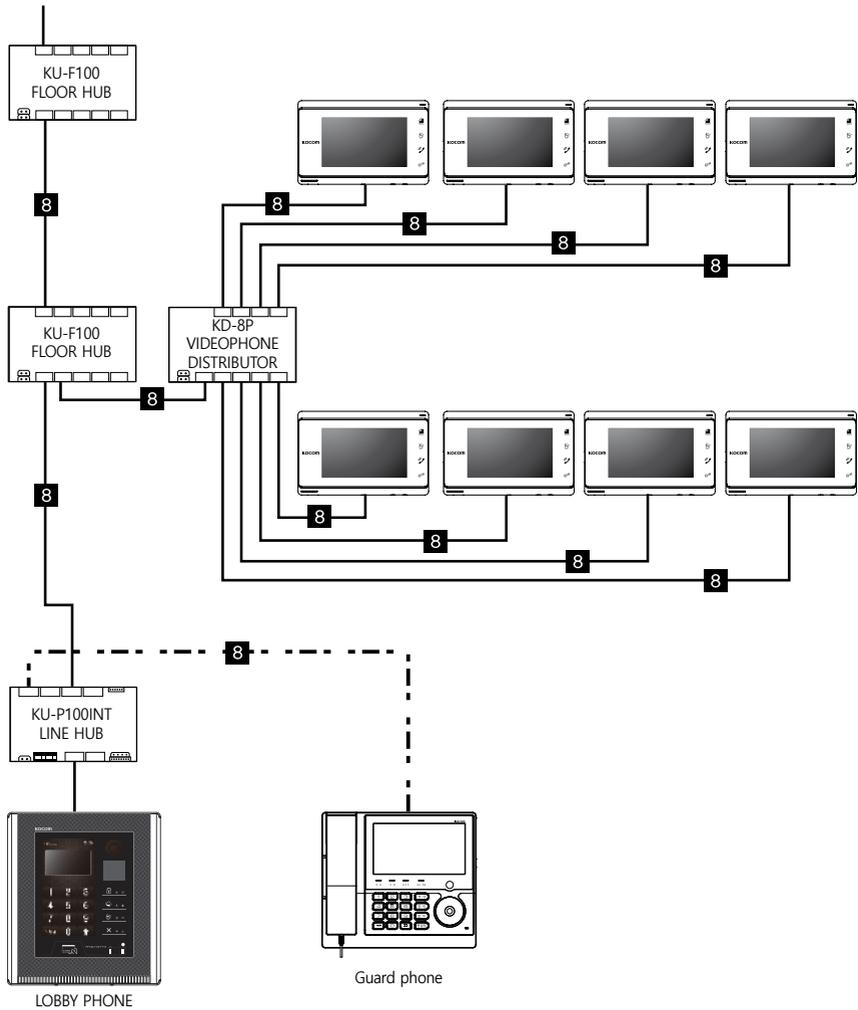
#### Wiring

- 8 — Communication / VOICE (8 wire) UTP 4P x 1
- Video2 •• Lobby phone video : UTP 1P x 1 or Coaxial cable
- 16 • Guard phone data/Voice-CPEV 0.65 x 10p or (16 wire) Polarity UTP 4P x 2

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

## Wiring diagram

### ■ When using the LINE HUB system



#### Wiring

— 8 — Lobby Communication / VOICE /

Video: 8 polar UTP 4P x 1

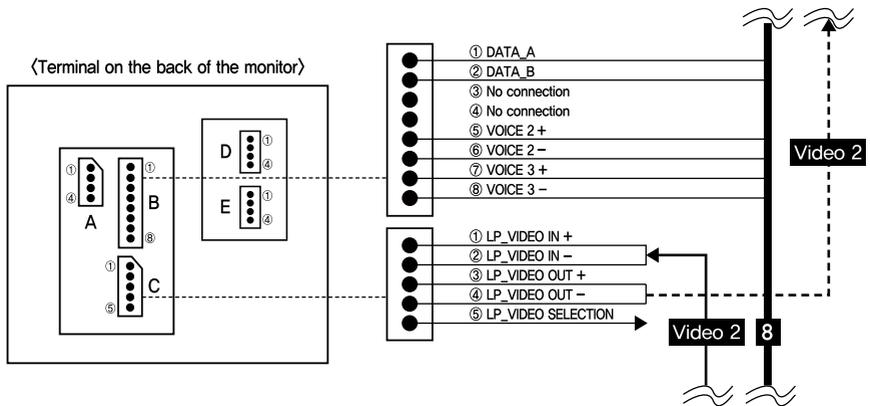
※ For detailed specifications, please refer to the Manual below.

— 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.

## Wiring diagram

- A detailed wiring diagram when using the KHU-305 system



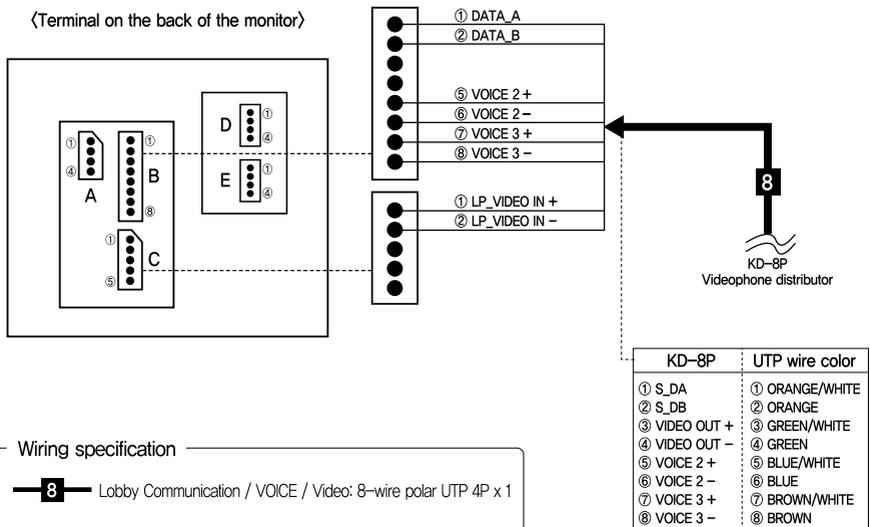
### Wiring specification

— **8** — Communication / VOICE (8 wire) UTP 4P x 1

•• **VIDEO 2** •• Lobby phone video : UTP 1P x 1 or coaxial cable

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

- A detailed wiring diagram when using the LINE HUB system

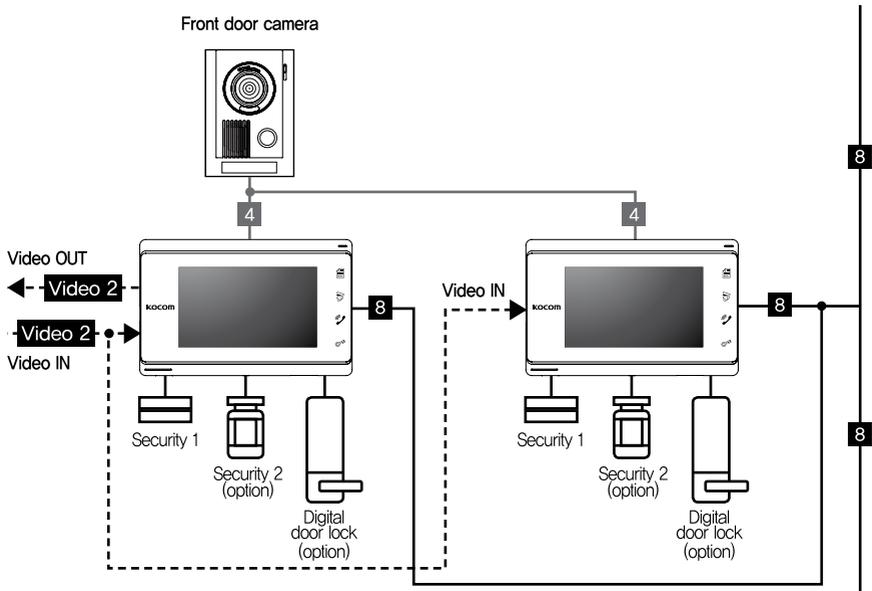


### Wiring specification

— **8** — Lobby Communication / VOICE / Video: 8-wire polar UTP 4P x 1

## Wiring diagram

- A wiring diagram when using the extension monitor(KHU-305 system)

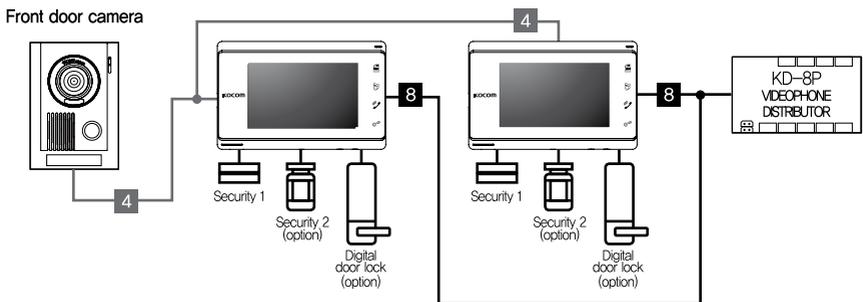


### Wiring specification

- 8 — Communication / VOICE (8 wire) UTP 4P x 1
- VIDEO 2 • Lobby phone video : UTP 1P x 1 or coaxial cable

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

- A wiring diagram when using the extension monitor(LINE HUB system)



### Wiring specification

- 8 — Lobby Communication / VOICE / Video: 8-wire polar UTP 4P x 1



MEMO



## 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	K6B VP-70C
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.



<http://www.kocom.com>

E-mail : [global@kocom.co.kr](mailto:global@kocom.co.kr)

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

K6B VP-70C
W0218