Warranty

To receive after-Sale service, have the following ready when 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.
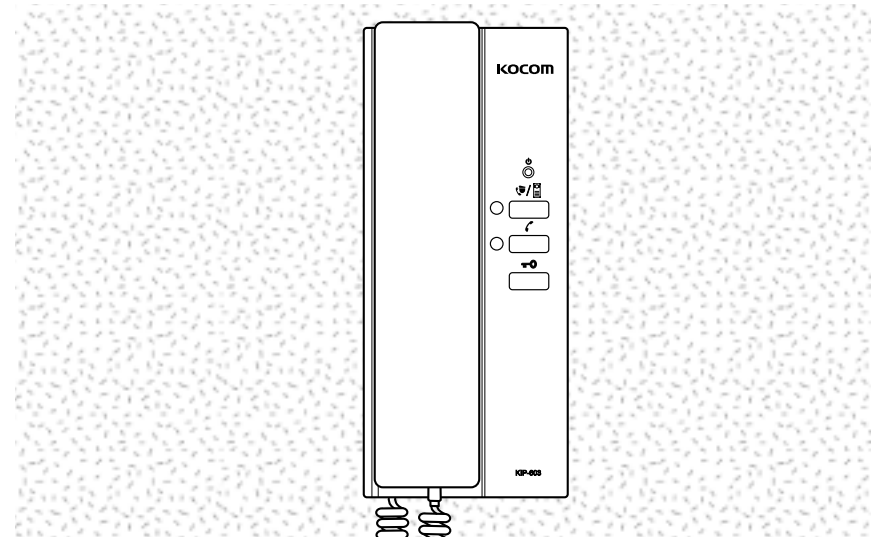
# KOCOM

Interphone for Apartment Unit

KIP-603 User's Manual for Operation and Installation

■ Connection up to 2 units of monitors and inter phones, respectively
■ Lobby chime switch function
■ Lobby door open/close after communication with lobby phone
■ Inner line (video phone and interphone) call and communication
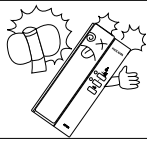■ Call to and communication with guardroom (KIP-603)

KOCOM CO.,LTD.

Precautions for Operation
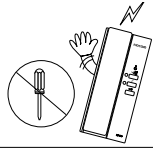
As this device consists of electronic precision components, do not attempt to disassemble.

Do not drop this device and avoid strong impact.

When cleaning, do not use wet hand, volatile benzene or paint thinner. Use soft cloths dipping in neutral detergent to wash this device and dry it with dry clothes.
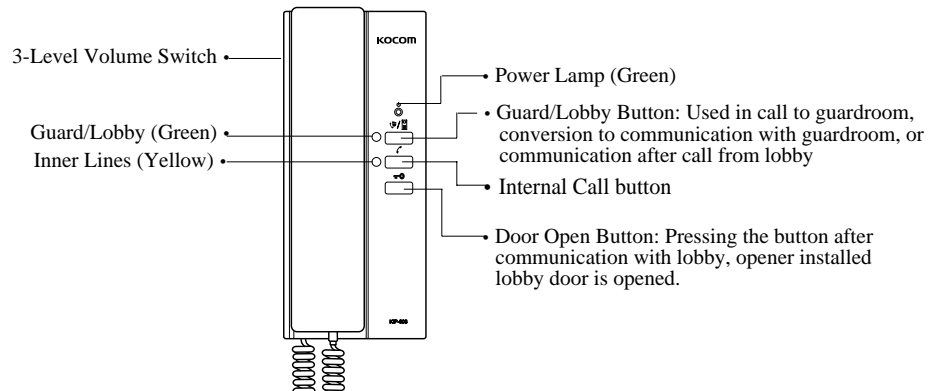
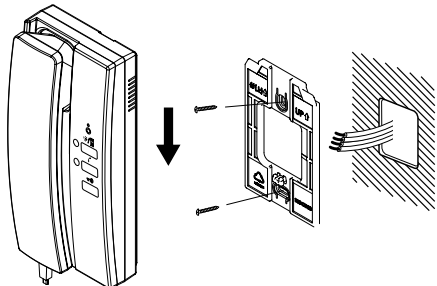Keep away from humidifier and stove. High temperature and humidity may cause troubles.

Clean the exterior of this device with soft cloths at times to keep it in clean state.
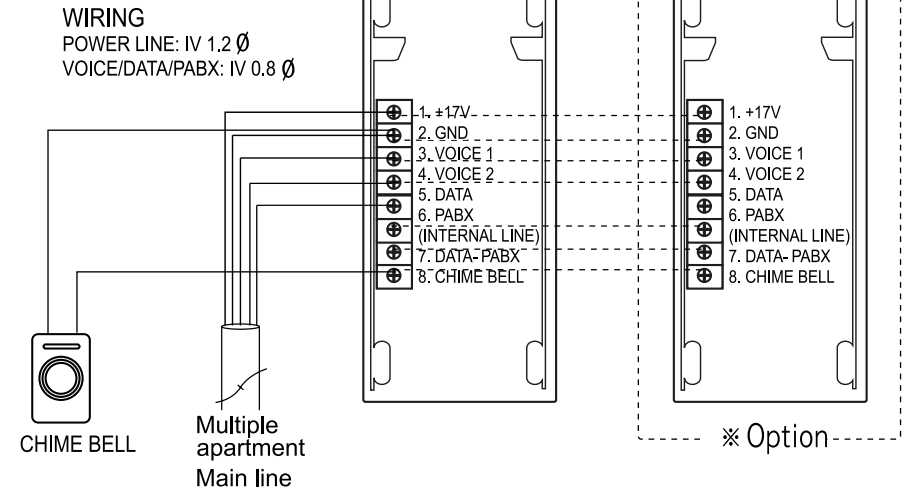
Component's Name

3-Level Volume Switch

Guard/Lobby (Green)

Inner Lines (Yellow)

Power Lamp (Green)

Guard/Lobby Button: Used in call to guardroom, conversion to communication with guardroom, or communication after call from lobby

Internal Call button

Door Open Button: Pressing the button after communication with lobby, opener installed lobby door is opened.

Instructions for Installation

• Place bracket on the wall and fix it with screws. After wiring, fit the rear side of main frame to a groove in the bracket and pull the main frame down to fix.

• Avoid connection after wiring.

External Wiring Diagram

WIRING
POWER LINE: IV 1.2 Ø
VOICE/DATA/PABX: IV 0.8 Ø

1. +17V
2. GND
3. VOICE 1
4. VOICE 2
5. DATA
6. PABX (INTERNAL LINE)
7. DATA-PABX
8. CHIME BELL

1. +17V
2. GND
3. VOICE 1
4. VOICE 2
5. DATA
6. PABX (INTERNAL LINE)
7. DATA-PABX
8. CHIME BELL

CHIME BELL

Multiple apartment Main line

※ Option

⚠ Precautions for Wiring

• As incorrect wiring may cause the device's non-operation or poor communication quality, please carefully conduct wiring work.
• When connecting a wiring chord to a terminal, loosen screw, insert the end of the chord into the bottom part of screw, and tighten the screw.
• When fixing wiring chord, use stapler not to cause damage to the chord.
• When using existing wiring, please be cautious not to cause disconnection and short-circuit.

Product Specification

|	
Power:	DC 17V(±1V)
Common Power Input	DC 12.8V±1V
Consuming Electricity	Max 1W (standby mode) / Max 2.5W (operation mode)
Guaranteed Operation Temperature	0 ~ +50°C
Communication Mechanism	Balance Circuit
	DUPLEX HANDSET CONVERSION
Melody	(front door, inner lines, guardroom, lobby)
Wiring	5-line polar wiring (VCC/GND/Voice 1/Voice 2/DATA)
	(OPTION : Chime SW 2Line(signal / GND)
Wiring Distance	Power(+/GND) 1.2 φ 300M within
	(OPTION : ChimeSW − φ 0.5 SINGLE CABLE / with in 30m)
Dimensions	W 92 mm X H 210 mm X D 57 mm

Wiring Specification

- 5-line polar wiring between wirings in main line of apartment unit
- 6-line polar wiring between KVM-520 (monitor) and interphone
- 2-line non-polar wiring in connection with chime switch at front door
- 6-line polar wiring when installing more devices

Functional Specification

- Pressing chime switch to call, chime tone of call from front door rings

  (device does not support communication function and only detects call state).
- Inner line call and communication − chime tone of inner line call rings and communication maintains

  for 3 minutes (installation of additional monitors and interphones is required).
- Communication with lobby phone − After chime tone rings, user can communicate with lobby phone

  for 3 minutes. (If pressing the door open button during the communication with lobby phone, opener

  installed common lobby door is opened.)

- Call to and communication with guardroom

  If pressing guard button on interphone, user can call to and communicate with guardroom.

## Operational Description

■ Call from lobby
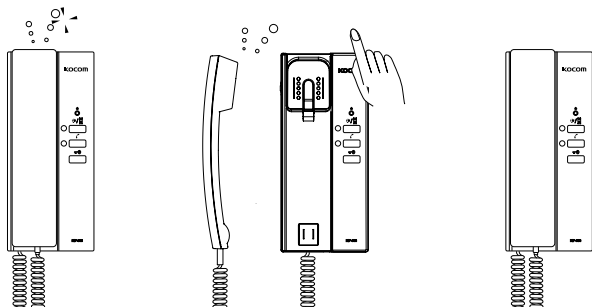
- When a lobby calls to house in standby mode, tone sound rings for about 30 seconds in house.
- Speaker outputs tone sound and (lobby/guard) LED flickers.
- Picking up handset, communication with lobby is automatically available

  (available communication time: 3 minutes) (At this time, LED is turned off.)
- To open the door during the communication wit lobby, press door open button and opener will

  automatically operate.
- Hang up handset, communication is ended (call to lobby function is not available).

Call to guardroom for communication

- If picking up handset and pressing guard/lobby 🕭/🗐 button,

  guardroom is called out (call maintains for 30 seconds).

  (When other house is not on the line, LED is turned on.)

- If guardroom responds to the call, call state is maintained (for 3 minutes).

  (When communication begins, LED is turned off.)
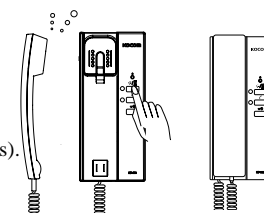
Call from guardroom to house
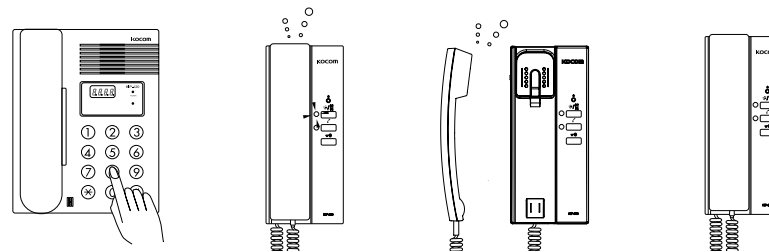
- If guardroom calls to house, tone sound rings in handset of house (for 30 seconds) and (guard/lobby)

  LED flickers. Picking up handset, communication begins (communication maintains for 3 minutes).

- At this time, LED is turned off.

- Hanging up handset, communication is automatically ended.

Inner line call and communication

■ Inner line call to the newly installed house

- Picking up handset and pressing (inner line) 📞 button, newly installed

  house is called out (call maintains for 30 seconds).
- Inner line LED is turned on (only if there's no house on inner line).
- Newly installed house responds to the call, call maintains (for 3 minutes).

  (LED is turned off.)
- Hanging up handset, communication is ended.
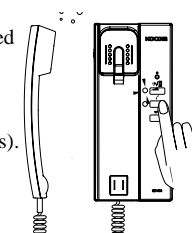
■ Inner line call from newly installed house

- If house received a call, tone sound rings in house handset (for 30 seconds)
- (inner line) LED flickers.
- Picking up handset, communication begins (maintains for 3 minutes).

  (When communication begins, LED is turned off).
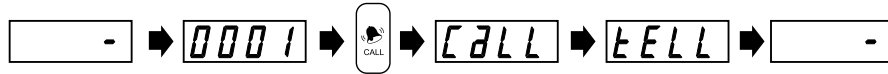- Hanging up handset, communication is ended.
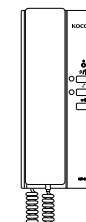
Instructions for Operation

■ Instructions for Operation (Model: KLP-100) Functional Specifications

▷ Call to house

When a visitor calls to house using lobby phone, press house number.

| - | ➡ | 0001 | ➡ | (CALL) | ➡ | Call | ➡ | tELL | ➡ | - |

> Pressing call button, call sound rings and house is called out.

> If the house responds to the call, communication maintains for 3 minutes.

(Pressing door open button during the communication, opener installed common front door is opened.)

> When communication is ended, device returns to standby mode.

▷ Call from lobby phone to guardroom

Pressing "0" and call button on the lobby phone, guardroom is called and lobby ID is displayed in guardroom device.

> Communication with guardroom maintains (for 3 minutes). When communication is ended, device returns to standby mode.
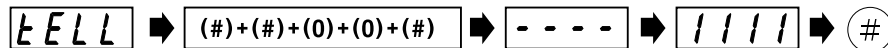
| - | ➡ | 0 | ➡ | (CALL) | ➡ | Call | ➡ | tELL | ➡ | - |
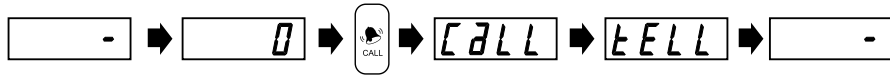
▷ Password Change

(Password change function is only available during the call with house.)

Pressing "# # 0 0 #" during the call with house, "_____" is displayed.

Input new password and press "#" button.

| tELL | ➡ | (#)+(#)+(0)+(0)+(#) | ➡ | - - - - | ➡ | 1 1 1 1 | ➡ | (#) |

▷ Door open using lobby phone with password

Pressing "house number + # + password + #" designated by the house, door is automatically opened.

e.g. Press house number "1111" and password.

| - | ➡ | 1 1 1 1 | ➡ | (#) | ➡ | HHHH | ➡ | (#) | ➡ | OPEN |

Model: (KLP-104/108/112) ,(KLP-P104,P018,P112),(KDP-104,108,112)

▷ Call to house

1. Press the house number on the lobby phone.

(If pressing house number once more for call sound outputs, call is cancelled.)

As separate cancel button is not available on these devices, press house number once more to cancel the call.

2. With call sound rings, house is called.

(In the case of newly installed lobby phone, call from and communication with guardroom, or

(house is on the line, devices output absence melody and returns to standby mode.)

▷ In the event that opener operates during the communication with house

1. If door open button is pressed at the house during the communication with lobby phone, common front door is opened.
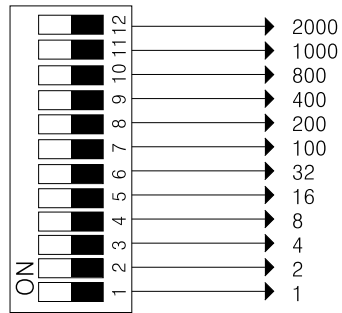
(Opener specification: within DC12V300mA - maintains 2 seconds)

DIP Switch Setting at House Interphone and Video Phone

e.g. 1)

1,000-digit

100-digit

1,10 -digit

e.g. 2)
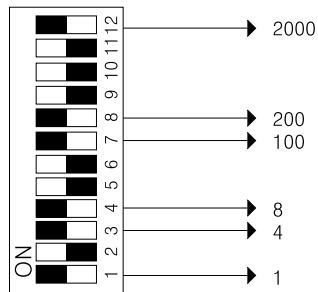

2000
1000
800
400
200
100
32
16
8
4
2
1
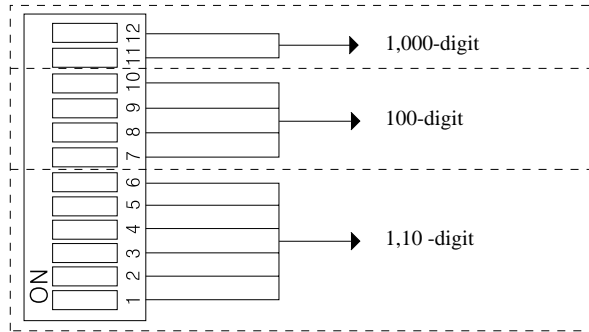
Numbers by the figure indicate the number set when all switches move toward ON direction.

1. Above figure, turning all DIP switches from No.1 to No. 12 toward ON direction, numbers set by DIP switches are summed up.

e.g. 1) Above figure, turning switch No.1 and No. 2 toward On direction, value is set at 3 (1 + 2 = 3) since numbers set by switches are 1 and 2.
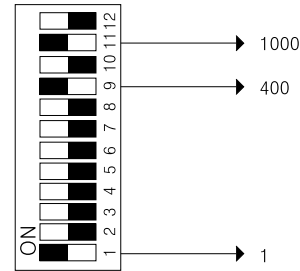
e.g. 2) Above figure, turning switch No.1 and No. 3 toward On direction, value is set at 4 (1 + 3 = 4) since numbers set by switches are 1 and 3.
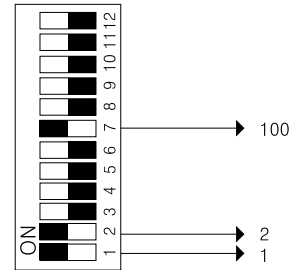
e.g. 3)

2000

200
100

8
4

1

As shown in the left figure, turning DIP switch No. 1, 3, 4, 7, 8 and 12 toward ON direction, the resultant value is calculated as follows.

1 + 4 + 8 + 100 + 200 + 2,000 = House No. 2313

e.g. 3)

1000

400
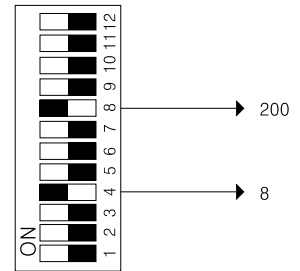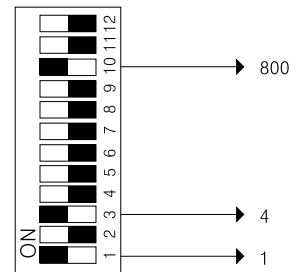
1

e.g. 3) As shown in the left figure, turning DIP switch No. 1, 9, 11 and 12 toward ON direction, the resultant value is calculated as follows.

1 + 400 + 1,000 = House No. 1401

100

2
1

e.g. 3) As shown in the left figure, turning DIP switch No. 1, 2 and 7 toward ON direction, the resultant value is calculated as follows.

1 + 2 + 100 = House No. 103

200

8

e.g. 3) As shown in the left figure, turning DIP switch No. 4 and 8 toward ON direction the resultant value is calculated as follows.

8 + 200 = House No. 208

800

4

1

e.g. 3) As shown in the left figure, turning DIP switch No. 1, 3 and 10 toward ON direction, the resultant value is calculated as follows.

1 + 4 + 800 = House No. 805

2. For basement floors, DIP switch No. 11 and 12 are generally set toward ON direction.

In this case, the value of DIP switch setting is 3,000 (1,000 + 2,000). However, program uses "8" with similar shape of "B" (Basement) to indicate basement floors. Thus, value is not 3,000 but 8,000.

e.g. 4)

2000
1000

100

2

As shown in the left figure, turning DIP switch No. 2, 7, 11 and 12 toward ON direction, the resultant value is calculated as follows.

2 + 100 + 1,000 + 2,000 = House No. B102
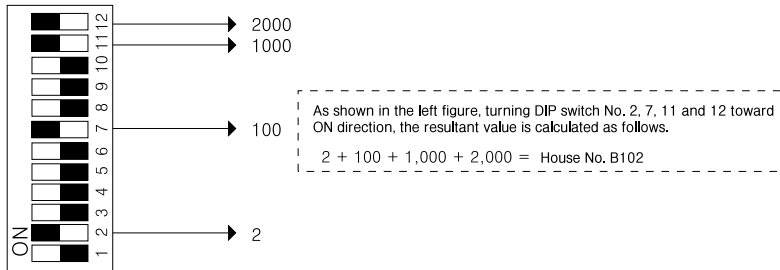
3. If DIP switches are set as in the above example, press "8102" to call the house using guardroom master or lobby phone.

In addition, house number is displayed as small character "b102" in FND of guardroom master or lobby phone.

2000
1000
800

1

As shown in the left figure, turning DIP switch No. 1, 10, 11 and 12 toward ON direction, the resultant value is calculated as follows.

1 + 800 + 1,000 + 2,000 = House No. b801

2000
1000

100
32

2

As shown in the left figure, turning DIP switch No. 2, 6, 7, 11 and 12 toward ON direction, the resultant value is calculated as follows.

2 + 32 + 100 + 1,000 + 2,000 = House No. b134
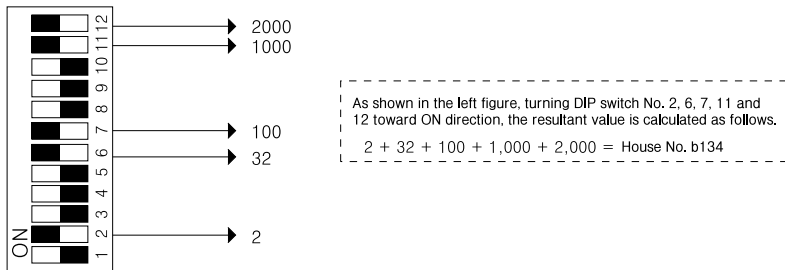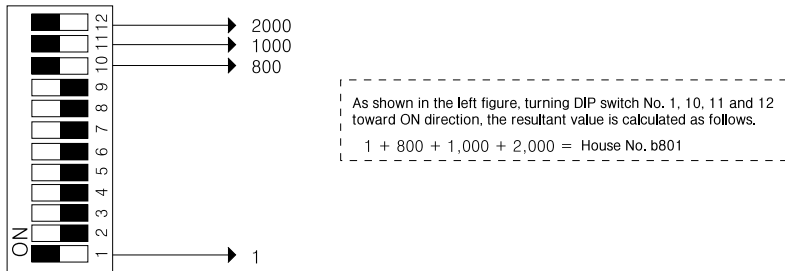
4. Precautions for DIP Switch Setting (House No. Setting)

1) After setting DIP switches, device power should be reset.

(In ON state, DIP switches cannot be set.)

2) For setting basement floors, switch No. 11 and 12 should be ON state.

3) For direct dialing type lobby phone, up to 12 houses can be set.

Thus, when DIP switches of house interphone and video phone are set, available houses are also 1 to 12 in number.

4) If user wants to use interphone or video phone as sub-phone, all DIP switches should be in OFF state.

5) When user sets DIP switches, excessive impact on DIP switches may cause abnormal or erroneous operation of device.