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	

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

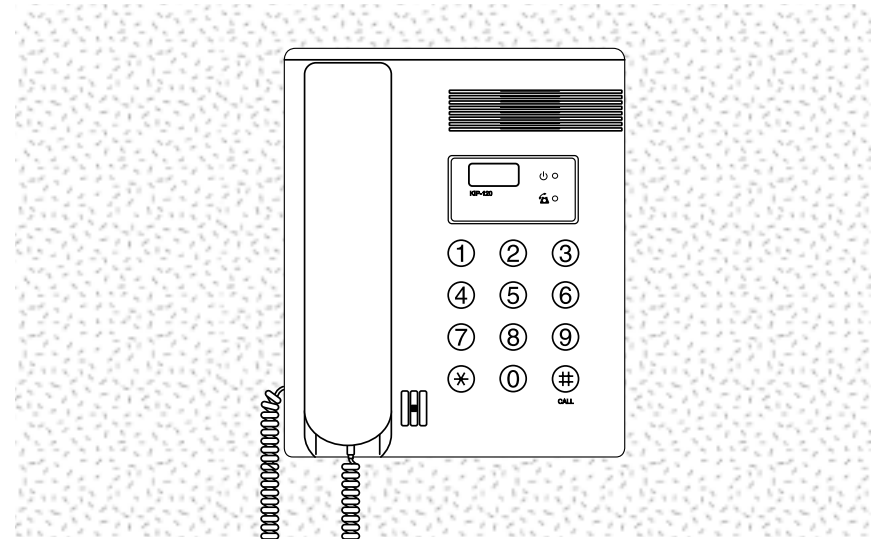| KIP-120	04. 02

KOCOM

Guard Phone for Apartment Unit

KIP-120 User's Manual for Operation and Installation

■ FND indication

■ House call function
■ Communication possible in the case of a call from guardroom
■ Guardroom version check function
■ House line check function

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.

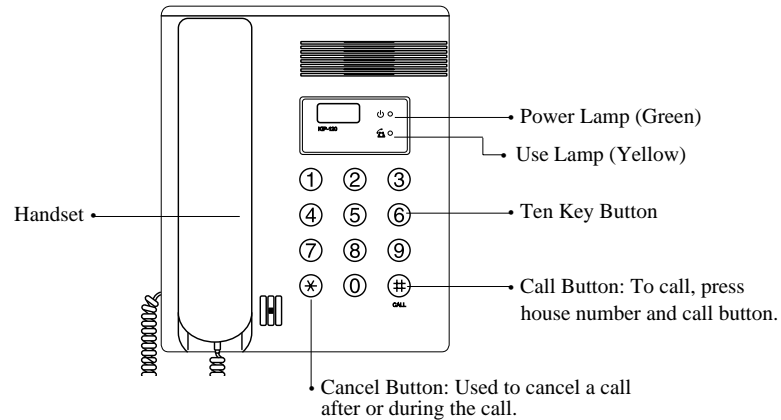When cleaning, do not use wet hand, volatile benzene or paint thinner.

Use soft cloths dipping in neutral detergent to wash this device and dry it with dry clothes.

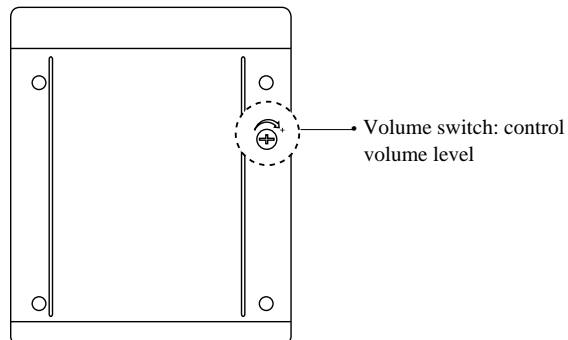Keep away from humidifier and stove. High temperature and humidity may cause troubles.

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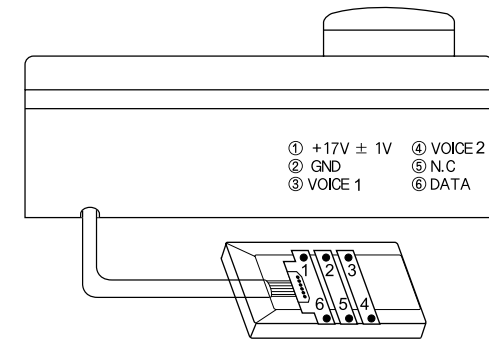
Component's Name

■Front Side

Power Lamp (Green)

Use Lamp (Yellow)

Handset

Ten Key Button

Call Button: To call, press house number and call button.

Cancel Button: Used to cancel a call after or during the call.

■Rear Side

Volume switch: control volume level

Exterior Wiring Diagram

① +17V ± 1V   ④ VOICE 2
② GND   ⑤ N.C
③ VOICE 1   ⑥ DATA

⚠ 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

Input Power	DC 17V ±1V(Common power input)
Internal Operation Voltage	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
Communication Method	DUPLEX HANDSET CONVERSION
Melody	TONE SOUND (interphone, video phone and lobby phone)
Wiring	5-line polar wiring(VCC/GND/Com 1/Com 2/DATA)
Wiring Distance	Within power(+/GND) 1.2 ϕ 300M
Dimensions	W (165 mm) x H (220 mm) x D (80 mm)

Functional Specification

• 5-line polar wiring between wirings in main line of apartment unit
• 6-line polar wiring between KVM-520 (monitor) and inter phone
• 6-line polar wiring when installing more devices

- After pressing house number to be called using ten key,

-> Pressing call button (#), house is called.
Functional Specification

- After pressing house number to be called using ten key,

-> Pressing call button (#), house is called.

- House line check function

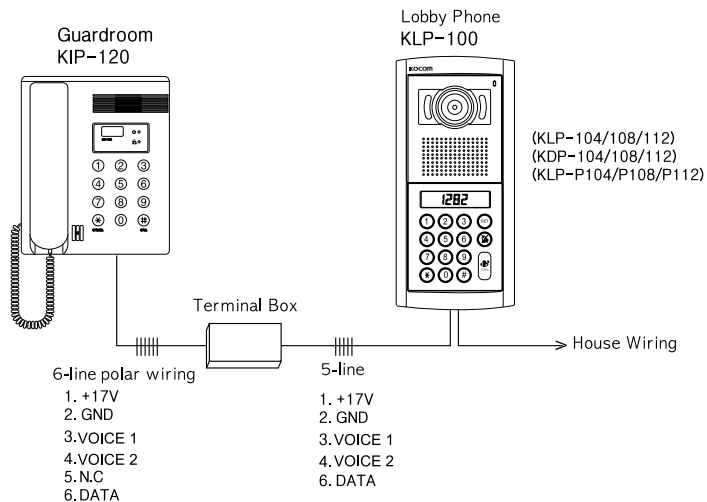After picking up handset, press '#' -> Press house number.

-> Press "#" -> If house line normally works, ₒh" is displayed in FND (ₒh" means ₒK"). (Generally, if there's no response within 3 seconds after call, it is assumed as abnormal) -> In the case of being in abnormal state, house line is reset to default values.

- This device does not support functions such as operator-assisted communication, call from lobby, and communication with lobby.

(However, pressing ten key (KLP-100) or "0" (KDP-100), user can call and communicate with guardroom.)

■ Wiring Specification

   5-line polar wiring between wirings in the main line of apartment unit

Guardroom
KIP-120

Lobby Phone
KLP-100

(KLP-104/108/112)
(KDP-104/108/112)
(KLP-P104/P108/P112)

Terminal Box

House Wiring

6-line polar wiring
1. +17V
2. GND
3. VOICE 1
4. VOICE 2
5. N.C
6. DATA

5-line
1. +17V
2. GND
3. VOICE 1
4. VOICE 2
6. DATA

Instructions for Operation

■ Functional Description
• Designed for system connection purpose, this product can be connected with video phone (KVM-520), inter phone (KIP-603), and lobby phone (KLP-100/KDP-112).
(Warning: This product cannot be used under connection with other systems.)

■ Volume control of the call from lobby or house (VR1)

• By controlling volume switch in guardroom (Master), call volume can be adjusted to specification of user's device.

■ Call from house
• When a house calls guardroom in standby mode, tone sound rings for about 30 seconds in guardroom.
• Speaker outputs tone sound and (use) LED is turned on.
-> Picking up handset, communication with house is automatically available
(available communication time: 3 minutes).
-> Hang up handset, communication ended (use LED is turned off).

■ Call to house for communication

• To call to house, picking up handset, pressing house number using ten key button, and pressing "#" (call), tone sound will ring in house device (for 30 seconds).
-> If house responds to call, call maintains (for 3 minutes).
-> Hanging up handset, communication is automatically ended.

■ Call from lobby
• In the case of call from lobby (only available in KLP-100 and KDP-100)
When pressing "0" to call guardroom and guardroom receives the call, tone sound rings in handset (for 30 seconds). (Lobby ID is indicated.) − (e.g. "01")
-> Picking up handset, communication begins (for 3 minutes).
Hanging up handset, communication is ended.
• Default setting and functions of guardroom device
• After pressing the house number to be called and "#" (call), tone sound rings in the house.
• House line check function
After picking up handset, press '#' à Press house number.
-> Press "#" -> If house line normally works, oh" is displayed in FND (oh" means OK"). (Generally, if there's no response within 3 seconds after call, it is assumed as abnormal) -> In the case of being in abnormal state, house line is reset to default values.

• This device does not support functions such as operator-assisted communication, call from lobby, and communication with lobby.
(However, pressing ten key in KLP-100, user can communicate with guardroom.)