

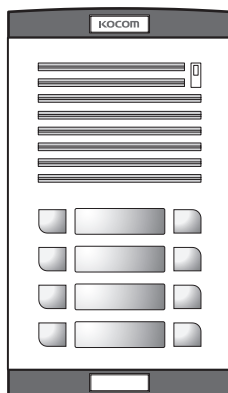
Audio Lobbyphone Manual



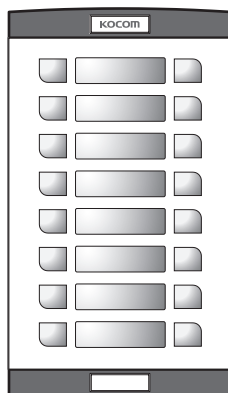
[KAL-S302 / KAL-S303 / KAL-S304 / KAL-T306 / KAL-T308]

[Extension : KEL-A308 / KEL-AT316]

Manual for Operation and Installation



Audio Lobbyphone
KAL-T308



Extension Unit (Option)
KEL-AT316

- Slim & Stylish
- Call, Communication, and Door open with Interphone (KIP-304)
- Clear & Loud Voice & Convenient voice volume control
- Max. 120 Household, 7 extension connections available
- Easy installation (3+n)
- Name plate backlight (LED lamp)
- Safe door open function only when the communication is made
- Two door release type (NO & NC) connection available
- Lobby Monitoring
- 2pcs of KIP-304 is available per 1 household

KOCOM CO.,LTD.

Thank you very much for purchasing KOCOM product, please read this manual thoroughly to ensure correct usage, before operation



Scan **QR** for
video instructions



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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.


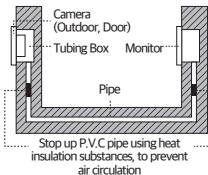


To help our customers to understand this manual, to prevent any personal injury or property damage, some marks are used in the manual. The marks and the drawing signs are below. Please, understand the marks before reading the manual.

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.
 Sing to tell you that you need more attention including high voltages, electric shock, danger, warning.	
 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 can't disassemble this unit.	 Sign to tell you that you must unplug the unit.

Cautions

Cautions for set-up



- The law limits distributing the power lines to an authorized person from government. The work from an unauthorrized person cause fire or electric shock.
 - Even if your product is water proof, do not install it slanted place of water leakage, which can a short circuit.
 - Avoid installing near tools with strong electromagnetic waves such as microwaves and cell phones, or it may cause communication disruption.
 -  · Do not install monitor in following places.
 - ① Above or near the heat sources such as water heater, rice cooker and/or heater
 - ② Place exposed to direct rays of the sun
 - ③ Place with temperature below 0°C such as cold storage
 - 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
 - Beware of communication disruption or malfunction from penetration of chemical or water.
- 
- 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 disruption.
 - 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.

Warning


Warnings for Usage

- Do not give any damage, break and modify the plug. Overloading, heating, pulling causes the damage.
 - Do not use the power terminal at the units to other electric device except the designed device.
 - 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
 - Power must be connected to domestic voltage (product rated voltage) plug socket or interior wiring.
 - Properly strip the wires before connecting them.
 - Do not run signal line together with AC power line.
-  · Connect the electric wire as designed and ground properly.

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 lighting.
 - 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.

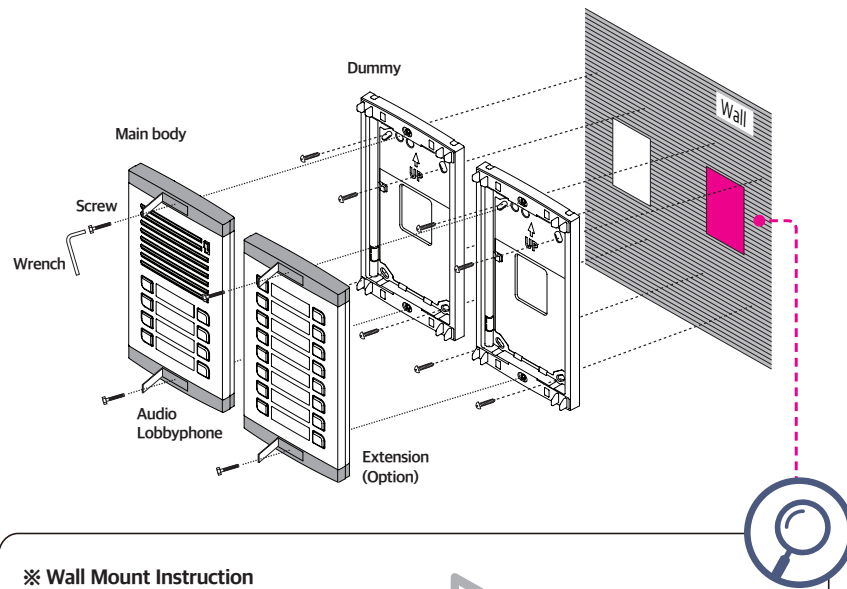
Cautions for Abnormality

- Change the damaged electric cord.
- 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.

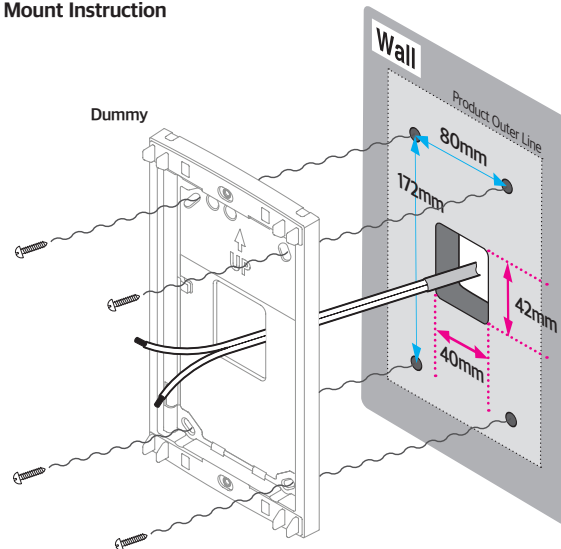


View the full version of Precautions ▲

Installation

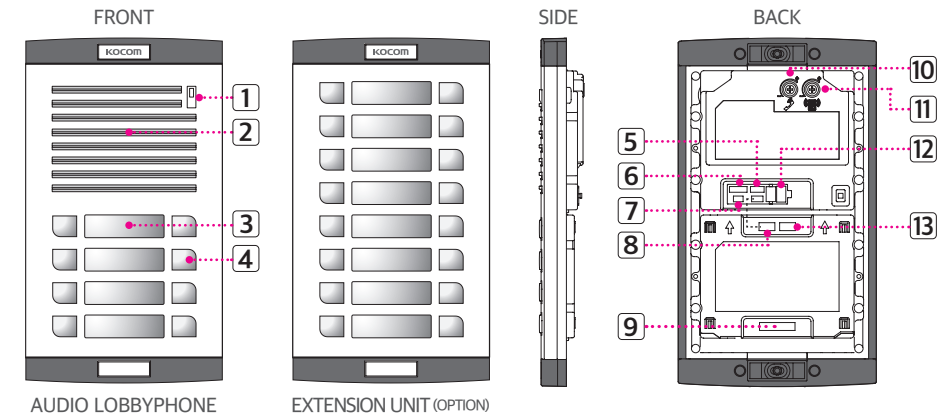


※ Wall Mount Instruction



- 1) Install dummy on the wall using dummy screws.
- 2) Connect wires to lobbyphone back terminal referring to product connection diagram.
- 3) Hang Main body on dummy, and fix it on dummy using wrench screws.
- 4) The standard installation height of product is under 2,000 mm from floor.

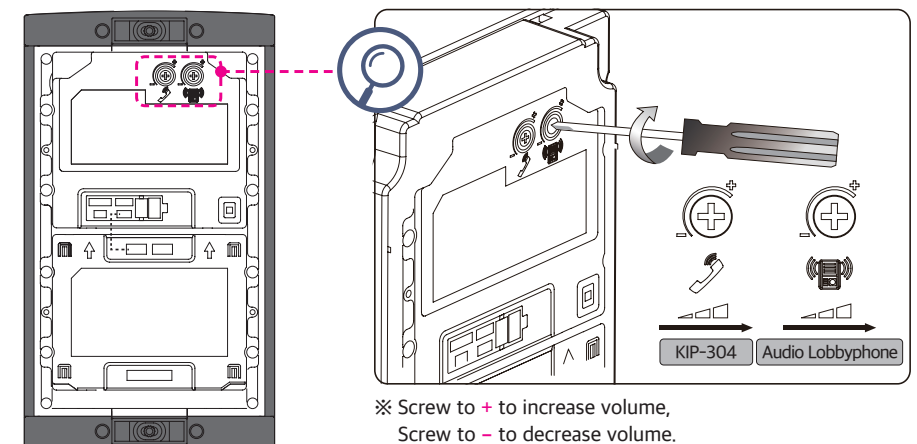
Name of Each Part



1	C-Mic	8	Terminal for extension
2	Speaker	9	House connection terminals
3	Name indicator-shows house information	10	Volume control (KIP-304)
4	Call button	11	Volume control (Audio lobbyphone)
5	Terminal for door opener	12	Terminal for DC power
6	Terminal for interphone	13	Terminal for extension
7	Terminal for lobby monitoring		

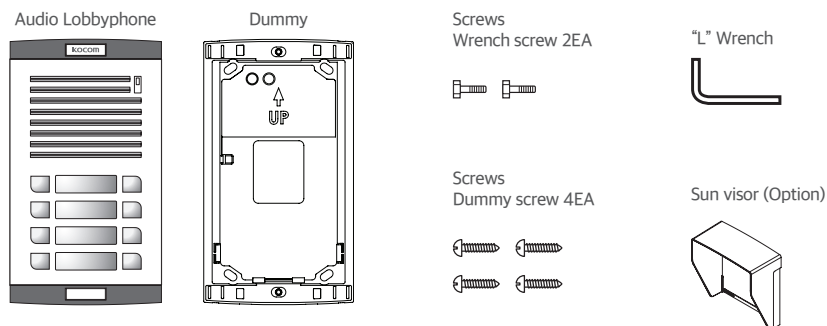
Adjust Audio Volume

- Use screwdriver to adjust the volume.



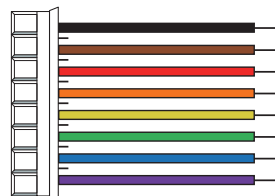
※ Screw to + to increase volume,
Screw to - to decrease volume.

Components



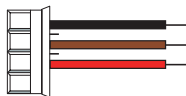
A. 8 pin connector between Audio lobbyphone & KIP-304 (A)

- A-8 **Black** : House NO.8
 A-7 **Brown** : House NO.7
 A-6 **Red** : House NO.6
 A-5 **Orange** : House NO.5
- A-4 **Yellow** : House NO.4
 A-3 **Green** : House NO.3
 A-2 **Blue** : House NO.2
 A-1 **Purple** : House NO.1



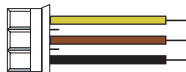
B. 4 pin connector between Audio lobbyphone & KIP-304 (B-2, B-3, B-4)

- B-4 **Black** : Audio MIC
 B-3 **Brown** : Audio SP
 B-2 **Red** : GND
 B-1 **NC** : Not Used



C. 3 pin connector between Audio lobbyphone & Door opener

- C-3 **Yellow** : COM
 C-2 **Brown** : N.C
 C-1 **Black** : N.O



D. 3 pin extension connector between Audio lobbyphone UP & DOWN Case

- D-3 **Black**
 D-2 **Brown**
 D-1 **Red**



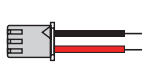
E. 2 pin connector to choose monitoring panel: for short

- E-2 **Red**
 E-1 **Black**



F. 3 pin DC power connector between Audio lobbyphone & Adaptor

- F-3 **Black** : GND
 F-2 **NC** : Not Used
 F-1 **Red** : +12V



G. 3 pin extension connector between Audio lobbyphone & Extension unit

- G-3 **Black**
 G-2 **Brown**
 G-1 **Red**



Product Specifications

Specifications	KAL series / KEL series
Input power	DC+12V±1V(Stand by : 1W, Operating : 8W)
Communication method	Hands free method (Two way)
Dimensions	125(W) X 220(H) X 30(D)mm
Operating temperature	-10℃ ~ 50℃

※ Compatible products : INTER PHONE (KIP-304)

※ Only use PA-120150S adaptor 12v/1.5A as other DC adaptor may affect audio quality or may have issues with humming noise.

Operation Explanation

- Communication with house interphone (KIP-304)

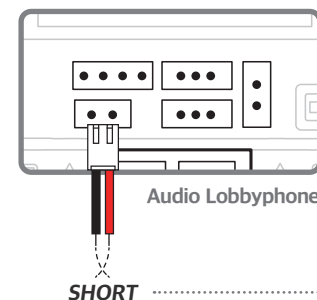
- When the visitor presses the call button for certain house on the audio lobbyphone, the certain house interphone (KIP-304) will ring.
- Begin conversation with the visitor by picking up the hand-set.
- To end conversation with the visitor, simply put down the hand-set.

- Audio lobbyphone from house interphone

- When the door open button is pressed during conversation, common gate will be opened in case when the door opener is connected.
- In order to connect the door opener to the 3 wire connection (polarity) on the audio lobbyphone, you should use KIP-304 interphone only.
- Under specific circumstances, third person may be able to join the on going call between lobby and house unit.

- Lobby Monitoring

When the PIN SHORT connection is used on the KAL audio lobbyphone, when the door open button is pressed for 2-3 seconds it will begin communication automatically with shorted common gate. Select only 1 lobby panel to connect PIN SHORT when using 2 common gate. DO NOT connect PIN SHORT for 2 common gate at the same time.



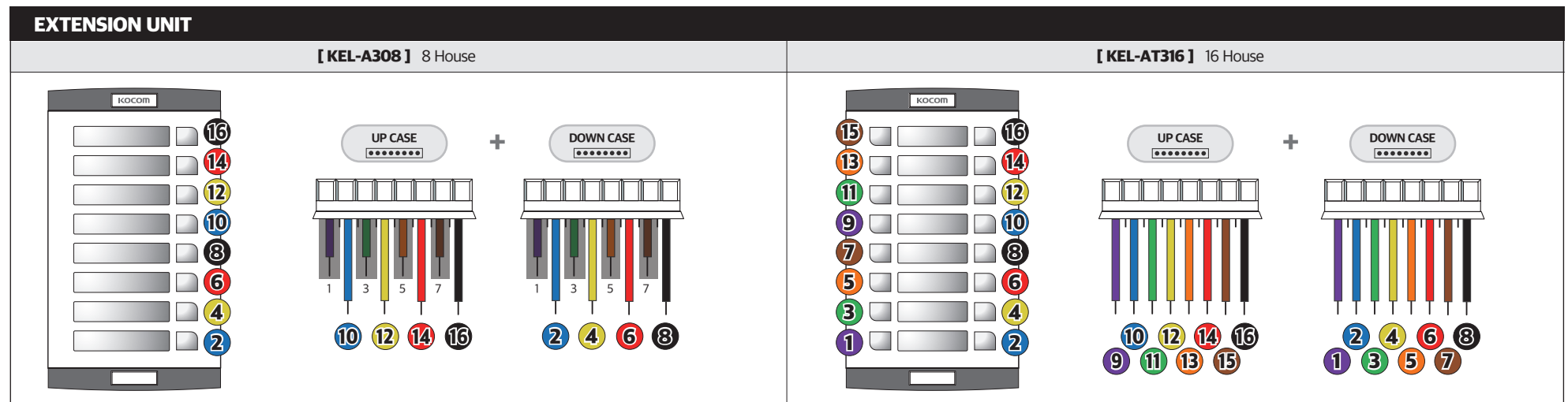
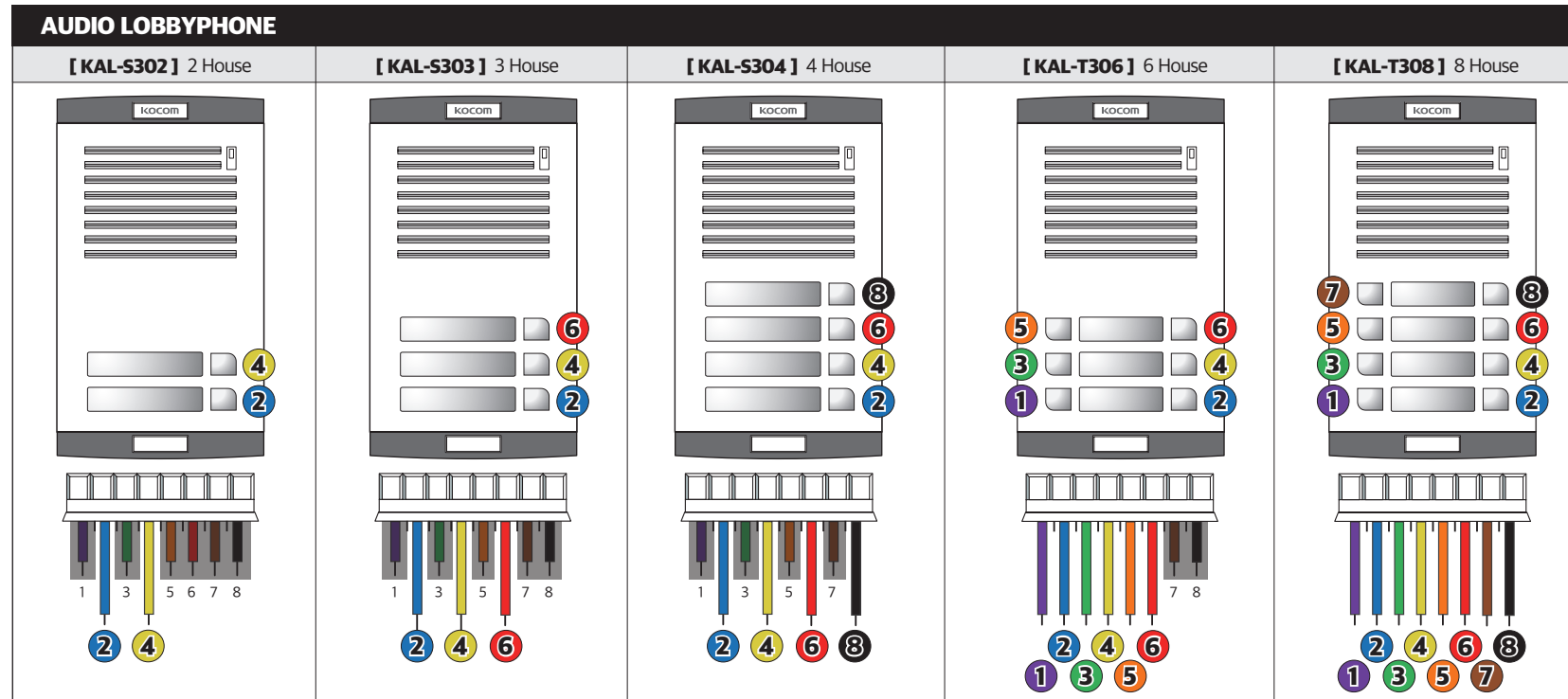
E. 2 pin connector to choose monitoring panel : For short

- E-2 **Red**
 E-1 **Black**

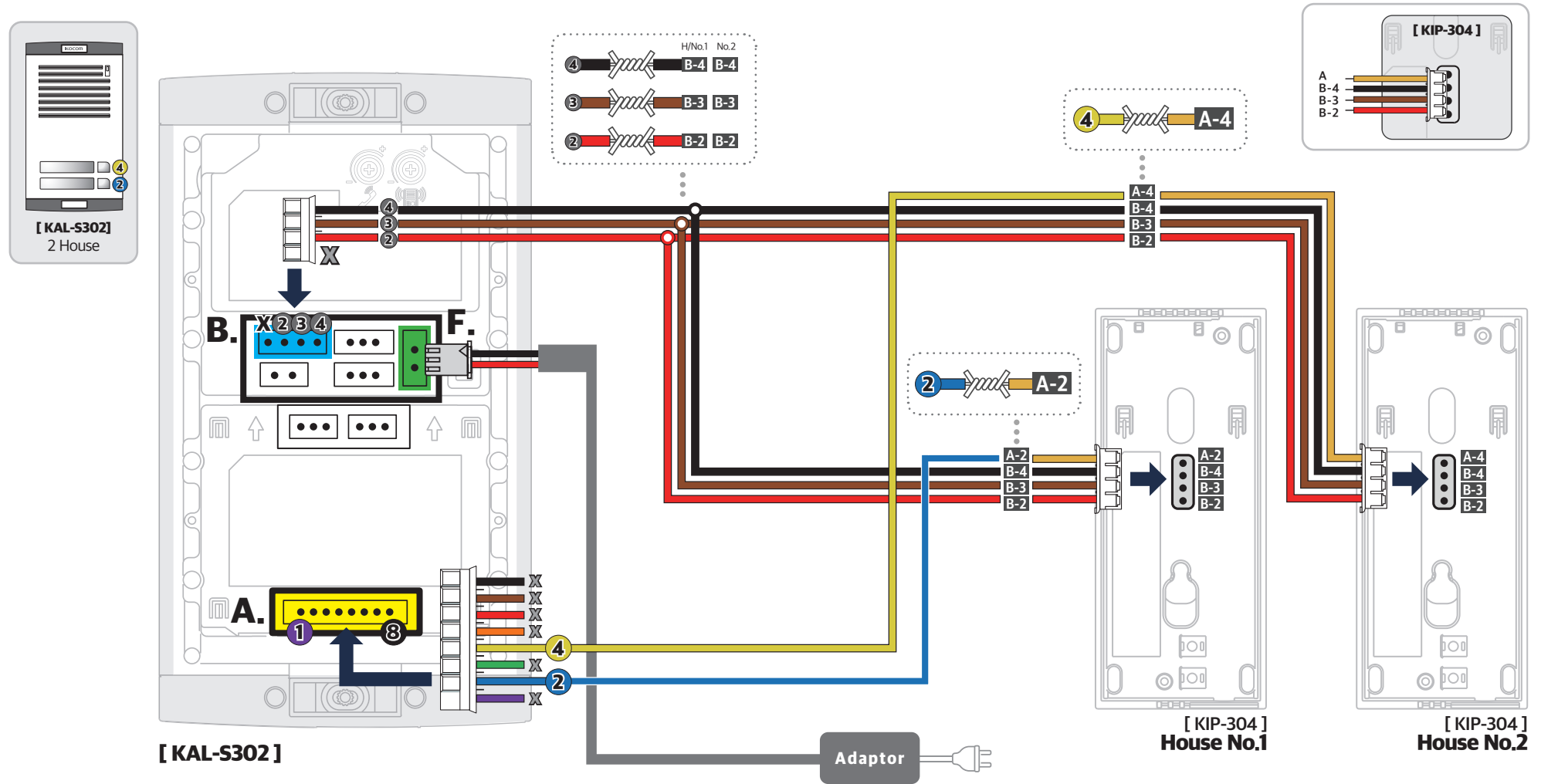


Button Configuration

- Cabling is 3 wires in common & 1 separate wire. For 1 separate wire connection for each house using '8 pin connector', please refer to the numbers shown next to the buttons & detailed wiring diagram at page 10 and 11.
- Extension units are compatible with any of audio lobbyphone.

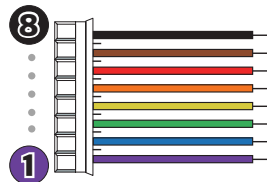


Audio Lobbyphone Wiring Connection - 2 House



A. 8 pin connector between Audio lobbyphone & KIP-304 (A)

A-8 Black : House NO.8	A-4 Yellow : House NO.4
A-7 Brown : House NO.7	A-3 Green : House NO.3
A-6 Red : House NO.6	A-2 Blue : House NO.2
A-5 Orange : House NO.5	A-1 Purple : House NO.1



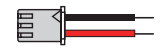
B. 4 pin connector between Audio lobbyphone & KIP-304 (B-2, B-3, B-4)

B-4 Black : Audio MIC
B-3 Brown : Audio SP
B-2 Red : GND
B-1 NC : Not Used

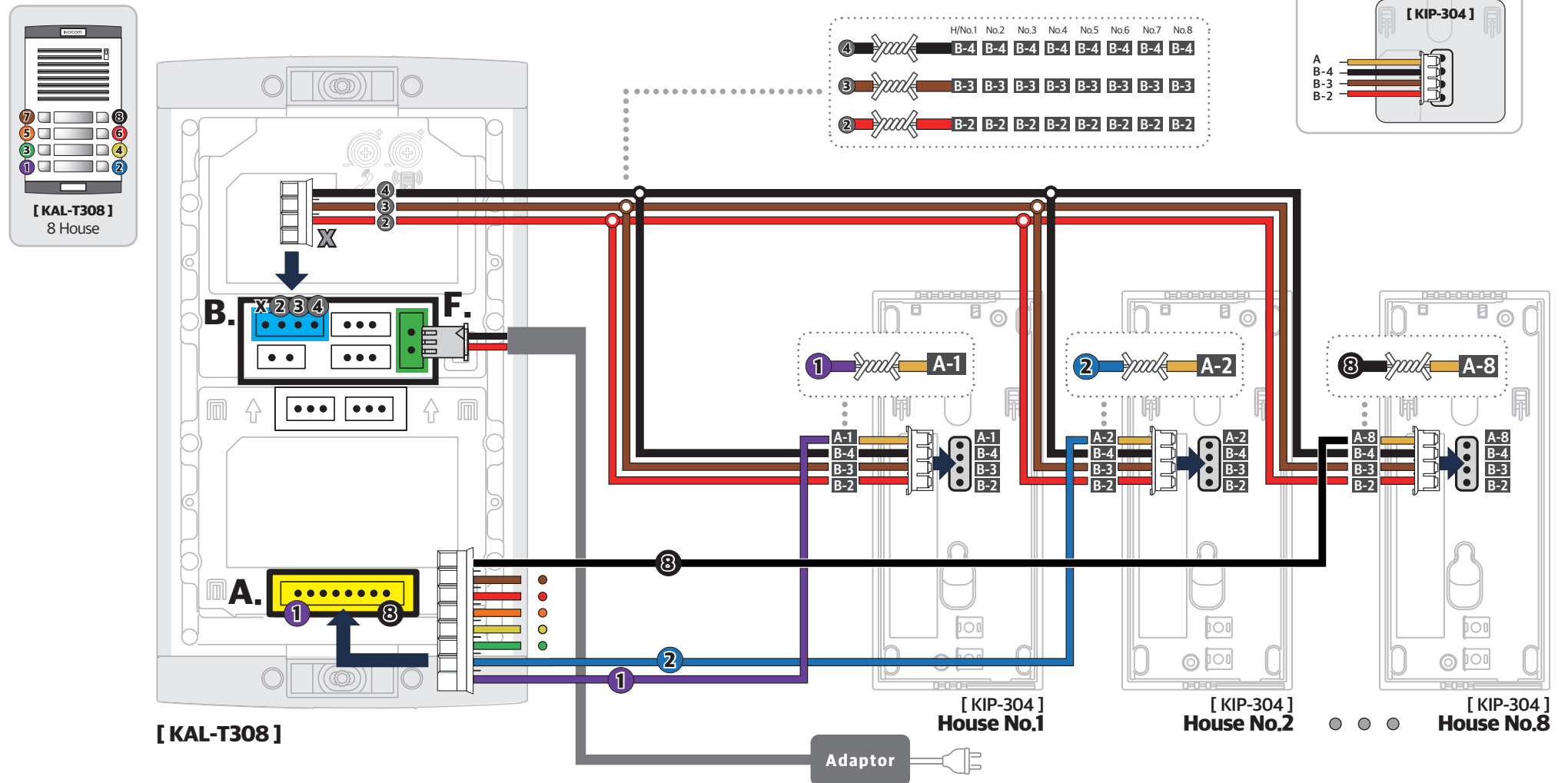


F. 3 pin power connector between Audio lobbyphone & Adaptor

F-3 Black : GND
F-2 NC : Not Used
F-1 Red : +12V



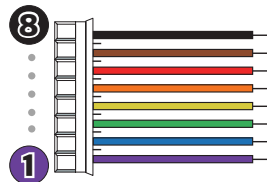
Audio Lobbyphone Wiring Connection - 8 House



A. 8 pin connector between Audio lobbyphone & KIP-304 (A)

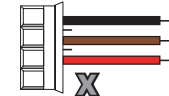
A-8 **Black** : House NO.8
A-7 **Brown** : House NO.7
A-6 **Red** : House NO.6
A-5 **Orange** : House NO.5

A-4 **Yellow** : House NO.4
A-3 **Green** : House NO.3
A-2 **Blue** : House NO.2
A-1 **Purple** : House NO.1



B. 4 pin connector between Audio lobbyphone & KIP-304 (B-2, B-3, B-4)

B-4 **Black** : Audio MIC
B-3 **Brown** : Audio SP
B-2 **Red** : GND
B-1 **NC** : Not Used

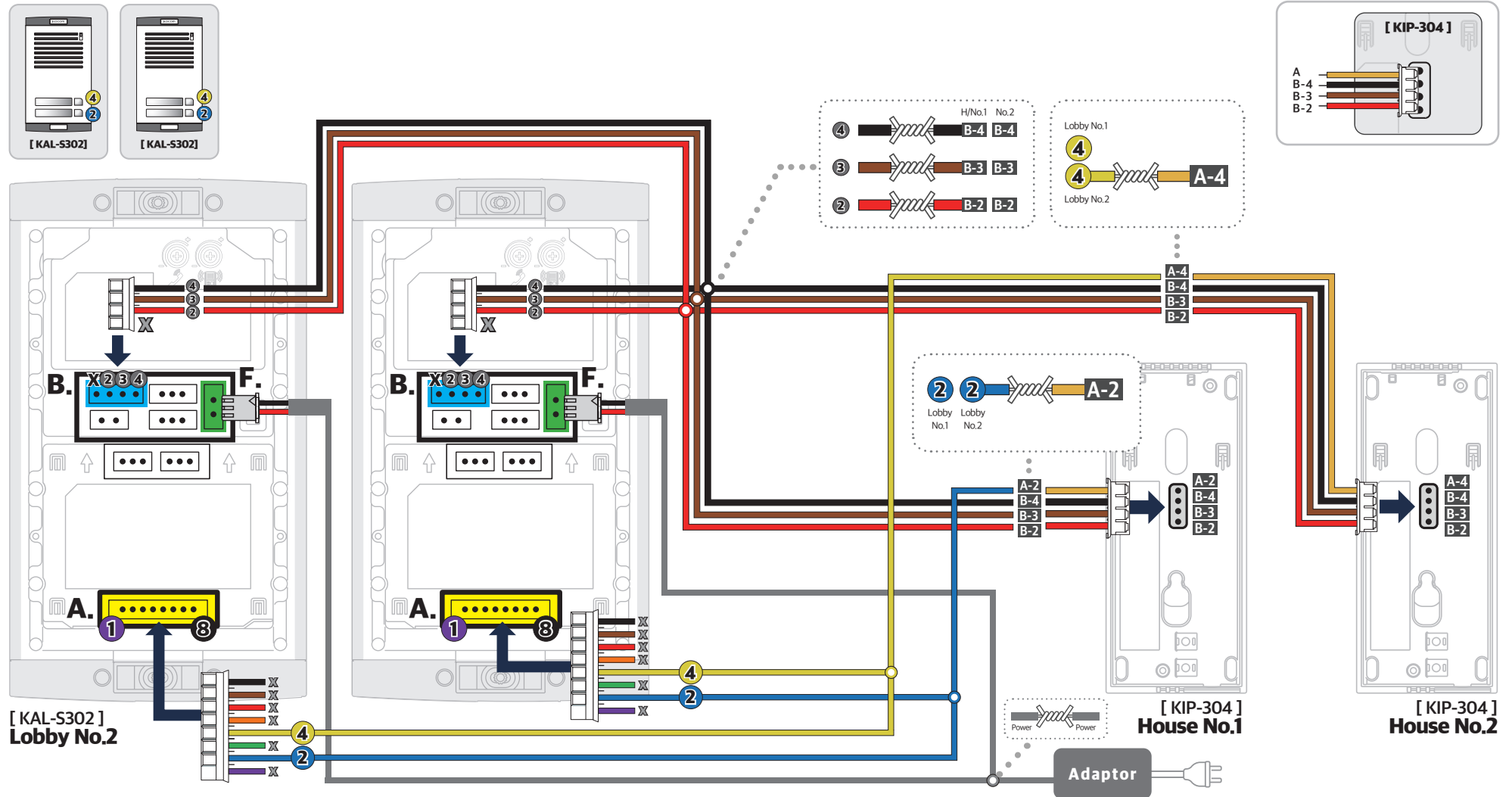


F. 3 pin power connector between Audio lobbyphone & Adaptor

F-3 **Black** : GND
F-2 **NC** : Not Used
F-1 **Red** : +12V

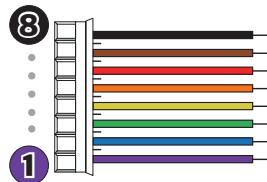


Audio Lobbyphone Wiring Connection - 2 Audio Lobbyphone (2 common gates)



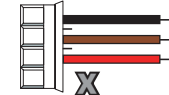
A. 8 pin connector between Audio lobbyphone & KIP-304 (A)

A-8 **Black** : House NO.8
 A-7 **Brown** : House NO.7
 A-6 **Red** : House NO.6
 A-5 **Orange** : House NO.5
 A-4 **Yellow** : House NO.4
 A-3 **Green** : House NO.3
 A-2 **Blue** : House NO.2
 A-1 **Purple** : House NO.1



B. 4 pin connector between Audio lobbyphone & KIP-304 (B-2, B-3, B-4)

B-4 **Black** : Audio MIC
 B-3 **Brown** : Audio SP
 B-2 **Red** : GND
 B-1 **NC** : Not Used

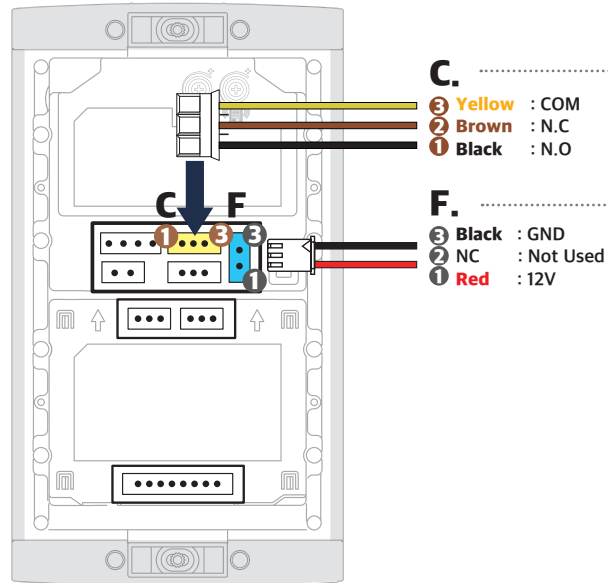


F. 3 pin power connector between Audio lobbyphone & Adaptor

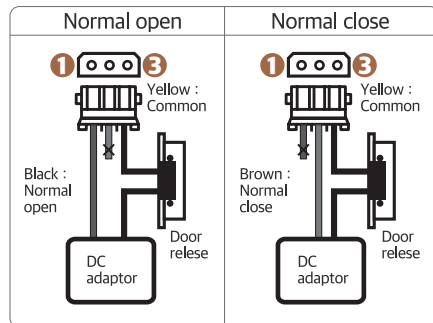
F-3 **Black** : GND
 F-2 **NC** : Not Used
 F-1 **Red** : +12V



Adaptor Wiring Connection



※ Terminal for door opener (Extra adaptor is needed)
Door opener should be used based on the door release/lock (Normal open or Normal close).



※ Cable requirement

- Audio lobbyphone to household up to 200m: CAT5 Cable (2 group 4wire)
- UTP CAT5e : The resistance of 100 m of cable should be 10 ohms or less.

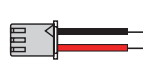
C. 3 pin connector between Audio lobbyphone & Door opener

C-3 Yellow : COM
C-2 Brown : N.C
C-1 Black : N.O

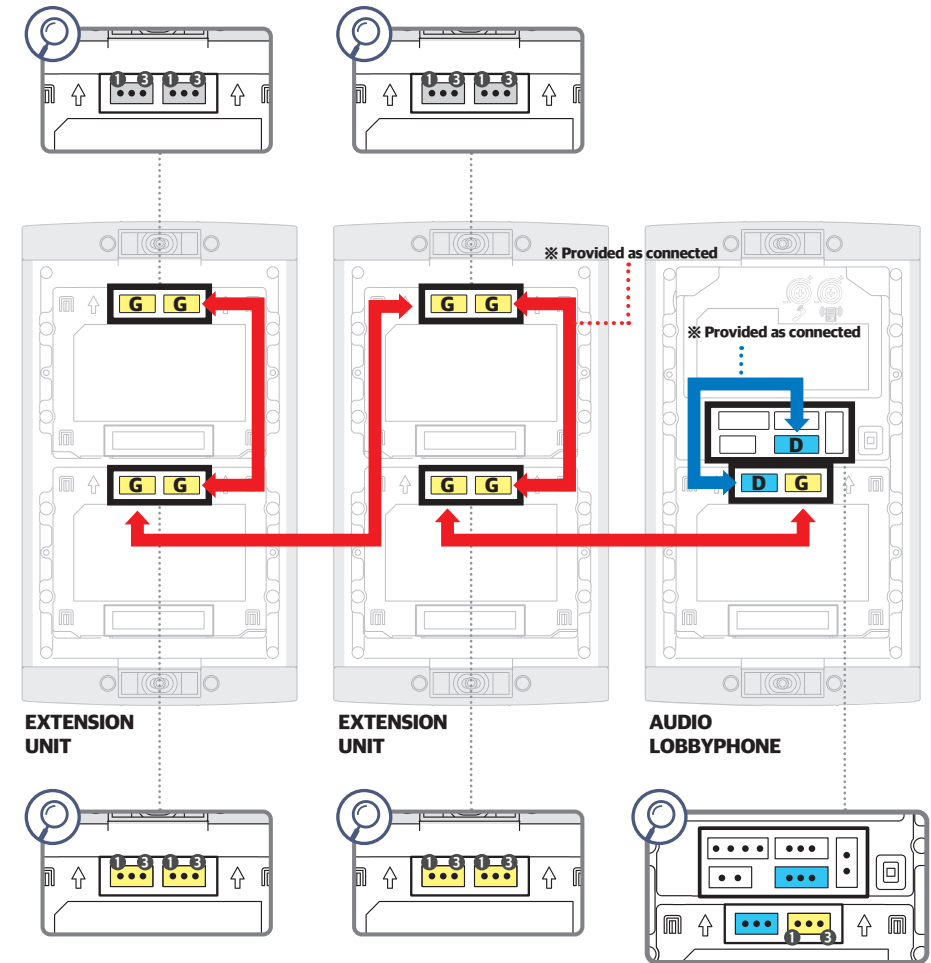


F. 3 pin power connector between Audio lobbyphone & Adaptor

F-3 Black : GND
F-2 NC : Not Used
F-1 Red : +12V



Extension Wiring Connection



D. 3 pin extension connector between Audio lobbyphone UP & DOWN Case

D-3 Black
D-2 Brown
D-1 Red



G. 3 pin extension connector between Audio lobbyphone & Extension unit

G-3 Black
G-2 Brown
G-1 Red



Warranty

To receive after sales 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	
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 caused by unauthorized repair, or system modification.
 - c. Breakdown caused by natural disaster or power disorder.