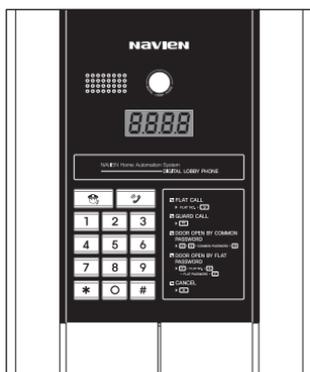


# Home Automation System LOBBYPHONE



Model

**ULP-201SG/R**

- Please carefully read this User's Guide (In particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.

# Contents

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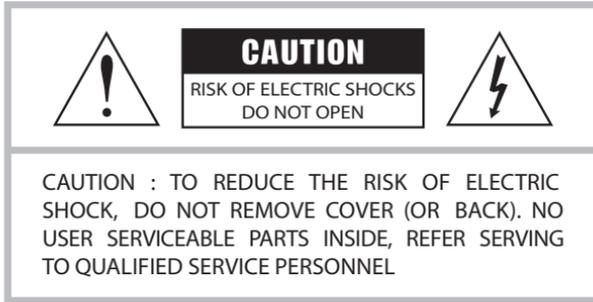
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## Warning

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- To prevent injury, the following safety precaution should be observed during installation, use and servicing of the unit.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

- Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- To prevent injury this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- The disconnect device shall remain readily operable.

**Note :** Change or modification not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. This manual is based on the date as shown in the right and specification are subject to change without notice for quality improvement.

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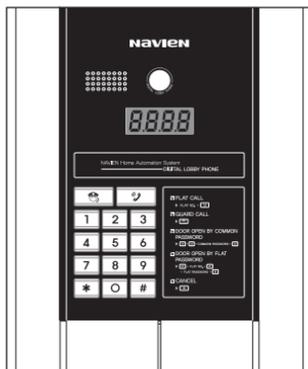
## For the customers

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



# Important Safeguards

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## 1. Read Instructions

All the safety and operating instructions should be read before the unit is operated.

## 2. Retain Instructions

The safety and operating instructions should be retained for future reference.

## 3. Follow Instructions

All operating instructions, maintenance and all warnings should be followed.

## 4. Cleaning

Turn off the power of unit before cleaning. Do not use liquid or aerosol cleaners. Use a dry cloth for the body of unit.

## 5. Attachments

Do not use attachments not recommended by the unit product manufacturer, as they may be hazardous or cause damage.

## 6. Heat and Moisture

Do not expose this unit direct sunlight and rain for reliable operation.

## 7. Installation

Do not install this unit on an unstable place (hot, cold, humid or excessive dust). Use only with a mounting accessory recommended by the manufacturer or sold with the unit. Installing this unit should follow instructions of manufacturer and qualified service personnel.

## 8. Ventilation

Slot and opening in the cabinet are provided for ventilation to ensure reliable operation of the unit and to protect it from overheating.

These openings must not be blocked or covered. Never place your unit on a bed, sofa, rug, or similar surface or on or near a radiator or heat register. This unit should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided.

## 9. Power Sources

This unit should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.

To operate the unit by battery or other power source, consult the operating instructions.

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## 10. Grounding and Polarization

This unit may be equipped with either a polarized 2-wire AC line plug (a plug having one blade wider than the other) or a 3-wire grounding type plug, a plug having a third (grounding) pin. The 2-wire polarized plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your outlet. Do not defeat the safety purpose of the polarized plug.

## 11. Overloading

When using this product, do not overload the power outlets or extension cords as this could cause fire or electric shock.

## 12. Accessories

Do not place this unit on an unstable cart, stand, tripod, bracket or table. If the unit falls, it could cause injury or damage to the system.

## 13. Object and Liquids

Never push objects of any kind into this unit through the openings. Never spill liquid of any kind on the unit.

## 14. Servicing

Do not attempt to service this unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

## 15. Power Line

The system should not be located near power lines or electric light or power circuits.

## 16. Damage Requiring Service

Unplug this unit from the wall outlet and refer to servicing to a qualified service technician if any of the following occur.

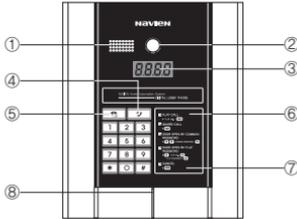
- a. If the power supply cord or plug is damaged.
- b. If any liquid has been spilled into or objects have fallen in the unit.
- c. If the unit has been exposed to rain or water.
- d. If the unit has been dropped or otherwise damaged.
- e. If the equipment exhibits a distinct change in performance.

## 17. Replacement Part

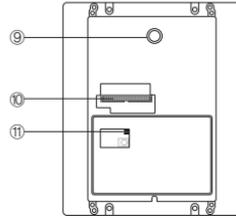
When replacement parts are required, use replacement parts specified by the manufacturer.

# Installation

## ■ Front View



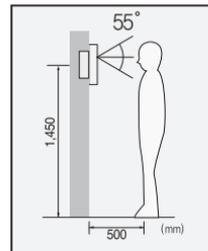
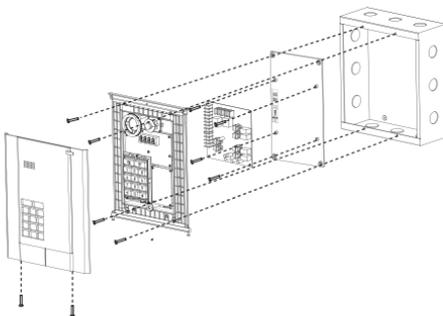
## ■ Rear View



① Speaker	⑤ Call Button for Guard Phone	⑨ Angle adjustment of Camera
② Camera	⑥ Quick manual of operation	⑩ Connection terminal
③ FND Display	⑦ RF CARD Reader(ULP-201SGR)	⑪ DIP switch for RF Card Reader (ULP-201SGR)
④ Call button	⑧ Mic.	

DIV.	Specifications	DIV.	Specifications
Power Source	+12V $\bar{=}$ , 2.5A	Temp.	-10°C ~50°C
Current Consumption	Stand by 1.3W, Max 3.1W	Humidity	Less than 90%
DATA	RS-485	Dimensions	230W X 280H X 39D, 1.18Kg

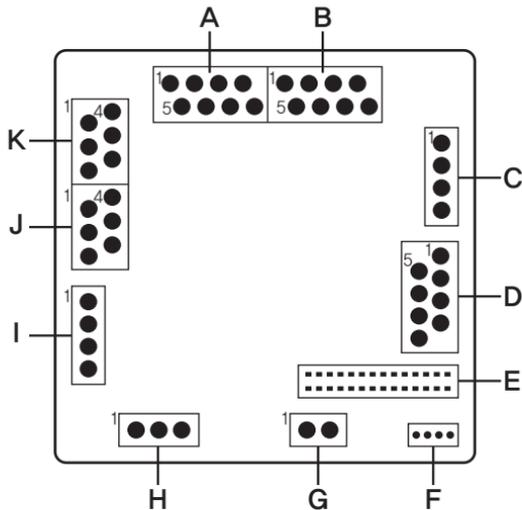
## ■ Assembly & Installation



1. Please refer to the above figure and make wiring according to the back label of lobby phone.
2. Please fix the main body of lobby phone on the embedded metal box.
3. Please fix the front cover of lobby phone on the main body of lobby phone.

\* Before the completion, please make the angle adjustment of camera based on the situation.

# Terminal Board of lobby phone



A, Video Output of Lobby			
1, GND 1 [GND]	5, Video Out 1 [VOUT1]		
2, GND 2 [GND]	6, Video Out 2 [VOUT2]		
3, GND 3 [GND]	7, Video Out 3 [VOUT3]		
4, GND 4 [GND]	8, Video Out 4 [VOUT4]		

B, Video Out of Lobby			
1, GND 5 [GND]	5, Video Out 5 [VOUT5]		
2, GND 6 [GND]	6, Video Out 6 [VOUT6]		
3, GND 7 [GND]	7, Video Out 7 [VOUT7]		
4, GND 8 [GND]	8, Video Out 8 [VOUT8]		

C, Talk with flat	
1, Talk 1+ [CH1+]	
2, Talk 1- [CH1-]	
3, Talk 2+ [CH2+]	
4, Talk 2- [CH2-]	

D, Communication with flat			
1, Data 1A [485_1A]	5, Data 1B [485_1B]		
2, Data 2A [485_2A]	6, Data 2B [485_2B]		
3, Data 3A [485_3A]	7, Data 3B [485_3B]		
4, Data 4A [485_4A]	8, Data 4B [485_4B]		

E, Connection Terminal of Lobby Phone	
F, Connection Terminal of ADAPTER(Power Supply)	
G, DC Power Output	
1, +12V	
2, GND	

H, Door Open Contact Point		
1, N,O		
2, COM		
3, N,C		

I, Talk/Data of Guard Phone			
1, Talk 1+ [CH1+]			
2, Talk 1- [CH1-]			
3, Data A [485A]			
4, Data B [485B]			

J, Talk/Data of Sub Lobby Phone			
1, Talk 1- [CH1-]	4, Talk 1+ [CH1+]		
2, Talk 2- [CH2-]	5, Talk 2+ [CH2+]		
3, Data B [485B]	6, Data A [485A]		

K, Video input of SUB Lobby phone			
1, GND 1 [GND]	4, Video Input 1 [VSUB1]		
2, GND 2 [GND]	5, Video Input 2 [VSUB2]		
3, GND 3 [GND]	6, Video Input 3 [VSUB3]		

# Setting

## ■ Register of RF Card (for ULP-201SGR, Optional)

### 1. Registration of the Master card

#### ▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of Manager] + [#] + [41] + [#] + [Attach the master card]

- ① Input [\*], [\*], [\*], [#], [#] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ “Melody” sound goes out and **PRBB** is shown on FND display.
- ③ Input [41] and [#].  
→ **RF-S** is shown on FND display.
- ④ Attach the master card on the RF card reader.  
→ If the registration of master card is completed, “Melody (Success)” or “Busy Tone (Fail)” would be sounded out.  
※ If the registration of master is delayed (more than 5 sec.), the system is returned to “Stand-by”.

### 2. Registration of the individual card

#### ▶ Attach Master card + Attach individual card

- ① If the master card is attached onto Card reader, **RF** is shown on the FND display.
- ② After 2 sec., “BEEP BEEP” sound goes out as successful registration and **RF-R** is shown on the FND display.  
※ If the registration of master is delayed (more than 5 sec.), the system is returned to “Stand-by”.  
Attach the designated “Individual” card onto Card reader.
- ③ If the registration of individual card is completed, “BEEP BEEP (Success)” would be sounded out.
- ④ ※ If the card is already registered, the busy tone would go out from the speaker.  
※ Serial card registration is possible.

### 3. Deletion of the individual card

#### ▶ Attach Master card + Attach Master card + Attach individual card

- ① If Master card is attached onto Card reader, **RF** is shown on the FND display.
- ② Within 2 sec., if Master is attached again onto Card reader, the “BEEP BEEP” (success of the recognition) would go out and **RF-B** is shown on the FND display.  
※ If the registration of master is delayed (more than 5 sec.), the system is returned to “Stand-by”.
- ③ Attach the designated “Individual” card onto Card reader. (for the deletion)  
※ If the card is already registered and deleted, the busy tone would go out from the speaker.
- ④ If the deletion of the registered individual card is completed, “BEEP BEEP (Success)” would be sounded out.

#### 4. Deletion of the whole Card

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of manager] + [#] + [43] + [#]  
+ [Settled value] + [#]

- ① Input [\*], [\*], [\*], [#], [#] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ “Melody” sound goes out and **CODE** is shown on FND display.
- ③ Input [43] and [#].  
→ The present settled value is shown on FND display.  
※ SETTELED VALUE : 1 = DELETE, 0 = CANCEL
- ④ Input [Settled value] and [#] in order.

### ■ Additional functions

#### 1. Set of lead time for door opening

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of Manager] + [#] + [21] + [#]  
+ [Lead time] + [#]

- ① Input [\*], [\*], [\*], [#], [#] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ “Melody” sound goes out and **CODE** is shown on FND display.
- ③ Input [21] and [#].  
→ The present settled value (Lead time) is shown on FND display.
- ④ Input [Lead time] and [#] in order. (Duration of door opening : 1 ~ 60 sec.)

#### 2. Deletion of key tone setting

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of Manager] + [#] + [22] + [#]  
+ [Settled Value] + [#]

- ① Input [\*], [\*], [\*], [#], [#] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ “Melody” sound goes out and **CODE** is shown on FND display.
- ③ Input [22] and [#].  
→ The present settled value is shown on FND display.  
※ SETTELED VALUE : 0 = Basic, 1 = Delete key tone
- ④ Input [Settled vale] and [#] in order.

## ■ Set the PASSWORD

### 1. Registration / Change of the PASSWORD of the flat

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of Manager] + [#] + [91] + [#] + [New Flat No. which may be changed] + [#] + [New Password of the changed flat No.] + [#]

- ① Input [\*], [\*], [\*], [#], [#] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ "Melody" sound goes out and **CODE** is shown on FND display.
- ③ Input [91] and [#].  
→ **HOUS** is shown up on FND display.
- ④ Input Flat No. which might be changed and [#] in order.  
→ The present value is shown up on FND display.
- ⑤ Input the new PASSWORD of new Flat No. which might be changed and [#] in order.  
\* Default Password of the administration manager : 5482

### 2. Change of the common PASSWORD

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of Manager] + [#] + [92] + [#]  
+ [New common Password] + [#]

- ① Input [\*], [\*], [\*], [#], [#] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ "Melody" sound goes out and **CODE** is shown on FND display.
- ③ Input [12] and [#].  
→ The present settled value is shown on FND display.
- ④ Input [New PASSWORD] and [#] in order.  
\* Initial COMMON PASSWORD : 1234

### 3. Change of PASSWORD of the administration manager

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of manager] + [#] + [93] + [#]  
+ [New manager Password] + [#]

- ① Input [\*], [\*], [\*], [#], [#] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ "Melody" sound goes out and **CODE** is shown on FND display.
- ③ Input [93] and [#].  
→ The present settled value is shown on FND display.
- ④ Input [New PASSWORD] and [#] in order.  
\* Initial manager PASSWORD : 5482

### 4. Deletion of the whole PASSWORD

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of manager] + [#] + [96] + [#]  
+ [Settled value] + [#]

- ① Input [\*], [\*], [\*], [#], [#] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ "Melody" sound goes out and **CODE** is shown on FND display.
- ③ Input [96] and [#].  
→ The present settled value is shown on FND display.
- ④ Input [New Value] and [#] in order.  
\* SETTELED VALUE : 1 = DELETE, 0 = CANCEL  
\* Initial manager PASSWORD : 5482

## ■ ID setting for APT building and flat

### 1. Setting of APT Building No.

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of Manager] + [#] + [11] + [#]  
+ [No. of APT building] + [#]

- ① Input [ \* ], [ \* ], [ \* ], [ # ], [ # ] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ “Melody” sound goes out and **CODE** is shown on FND display.
- ③ Input [11] and [#].  
→ The present settled value is shown on FND display.
- ④ Input [New APT building No.] and [#] in order. \* Band of APT BLDG. : 1 ~ 9999

### 2. Setting of Lobby phone ID

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of Manager] + [#] + [12] + [#]  
+ [ID of Lobby phone] + [#]

- ① Input [ \* ], [ \* ], [ \* ], [ # ], [ # ] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ “Melody” sound goes out and **CODE** is shown on FND display.
- ③ Input [12] and [#].  
→ The present settled value is shown on FND display.
- ④ Input [New Lobby phone ID] and [#] in order. \* Band of Lobby phone ID : 1 ~ 32
  - Caution about Lobby phone ID
    - Lobby Phone ID [2 ~ 4] : Sub lobby phone [Video output available]
    - Lobby Phone ID [5 ~ 32] : Sub lobby phone [No Video output]

### 3. Setting of Guard interphone ID

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of manager] + [#] + [52] + [#]  
+ [ID of Guard Interphone] + [#]

- ① Input [ \* ], [ \* ], [ \* ], [ # ], [ # ] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ “Melody” sound goes out and **CODE** is shown on FND display.
- ③ Input [52] and [#].  
→ The present settled value is shown on FND display.
- ④ Input [ID of Guard interphone] and [#] in order.  
\* Band of Guard interphone : 1 ~ 4

#### 4. Setting of maximum No. of flat per each floor

▶ [\*] + [\*] + [\*] + [#] + [#] + [Password of manager] + [#] + [53] + [#]  
+ [Max. No. of House] + [#]

- ① Input [ \* ], [ \* ], [ \* ], [ # ], [ # ] in order (one by one).  
→ **PRSS** is shown up on FND display.
- ② Input [PASSWORD of the manager], [#] in order.  
→ “Melody” sound goes out and **7000** is shown on FND display.
- ③ Input [53] and [#].  
→ The current value is shown up on FND display.
- ④ Input [Max. No. of flat per each floor] and [#] in order.  
\* Band of maximum No. of House per a floor : 1 ~ 32

#### ■ Input procedure of each ID of flat – room monitor

[EX] 7 Floors, 2 flats per each floor

No. of Flat	ID	No. of Flat	ID
701	701	702	702
601	601	602	602
501	501	502	502
401	401	402	402
301	301	302	302
201	201	202	202
101	101	102	102

[EX] 7 Floors, 3 flats per each floor

No. of Flat	ID	No. of Flat	ID	No. of Flat	ID
701	701	702	702	703	703
601	601	602	602	603	603
501	501	502	502	503	503
401	401	402	402	403	403
301	301	302	302	303	303
201	201	202	202	203	203
101	101	102	102	103	103

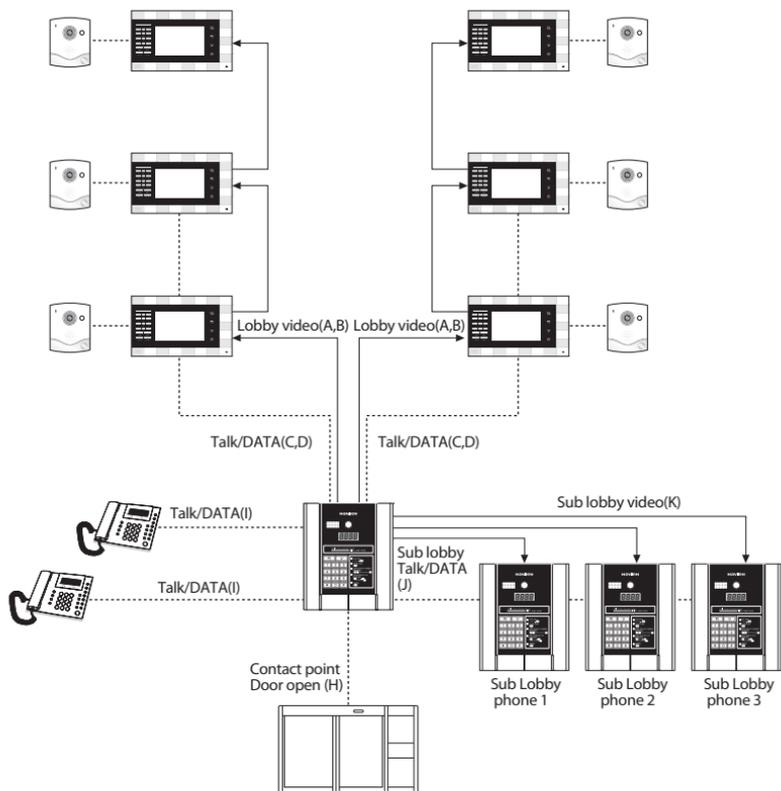
[EX] 3 Floors, 8 flats per each floor

No. of Flat	ID														
301	301	302	302	303	303	304	304	305	305	306	306	307	307	308	308
201	201	202	202	203	203	204	204	205	205	206	206	207	207	208	208
101	101	102	102	103	103	104	104	105	105	106	106	107	107	108	108

\* ULP-201SG/R supports MAX. 127 Flats.

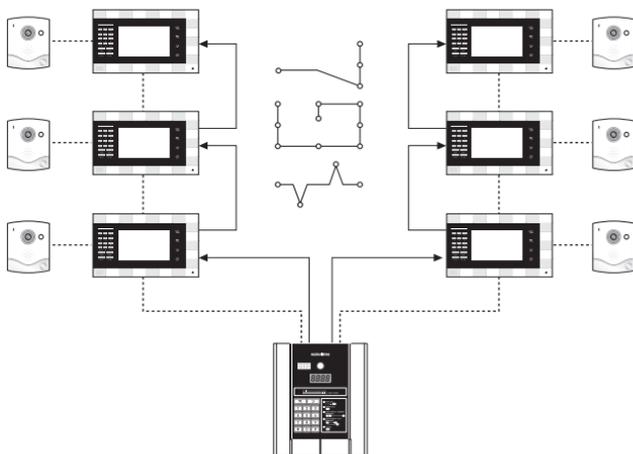
# Wiring diagram

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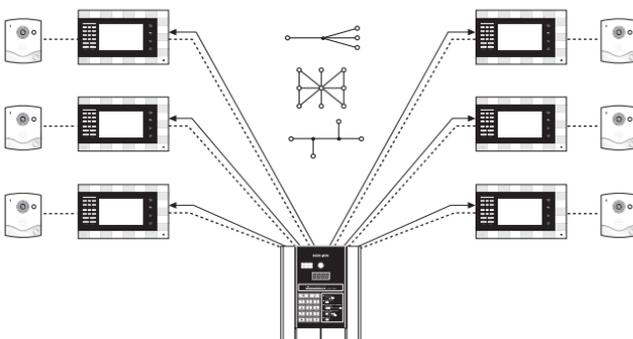
## ■ Suggested Wiring diagram

Please make sure all wiring in BUS type.



## CAUTION

Please do not make all the wiring in STAR type.



# Operation

## ■ Call the designated flat



Push the No. of designated Flat



After push the No. of designated Flat, Push the call button. Melody goes out.



When the flat gets The call, talk is activated

\* In case of the wrong Flat No., visitor can cancel it by (\*) button

## ■ Call the Guard Phone

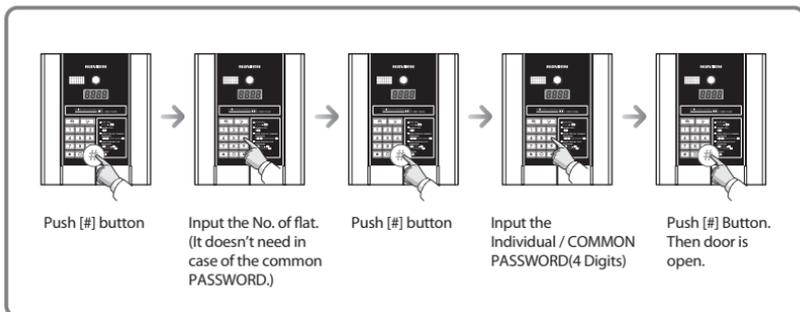


After push call button for Guard, Melody goes out

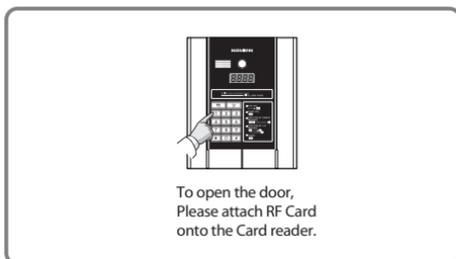


When the guard gets The call, talk is activated

## ■ Manual door open by individual / common PASSWORD



## ■ Door open by RF Card (Optional)



memo

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memo

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4F, KOAMI Bldg., 22, Gukhoe-daero 76-gil, Yeongdeungpo-gu, Seoul,  
150-870, Korea/KD One global business Dept.  
Website : [www.kdone.co.kr](http://www.kdone.co.kr)