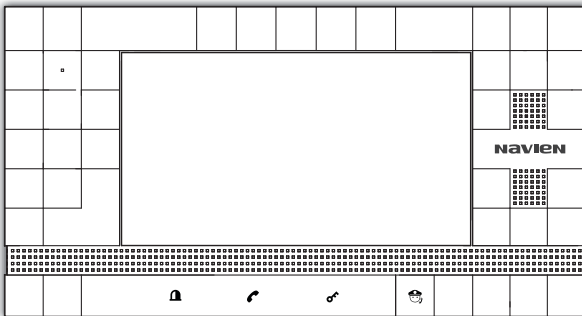


KD **one**

DIGITAL COLOR LCD HANDS FREE VIDEO PHONE



Model **UHA-744SG/M**

- 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.

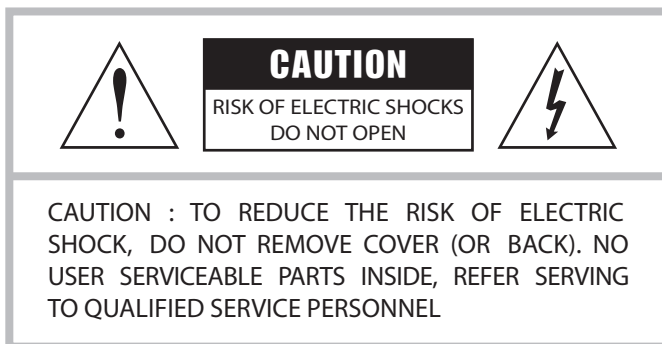
navien User Manual

Contents

Warning and important safeguards	4
Components	8
Installation	9
Product specifications	10
Operation	11
Alarm function(by the magnetic sensors only)	13
Manager mode(Video memory equipped model)	14
Menu setting functions	15
Wiring diagram	23
Warranty	25

WARNING

- 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.

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.

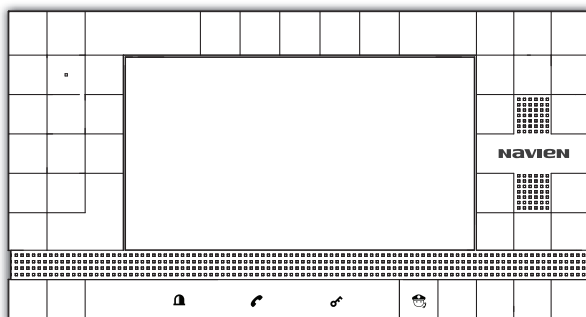
For the customers

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

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 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.

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.

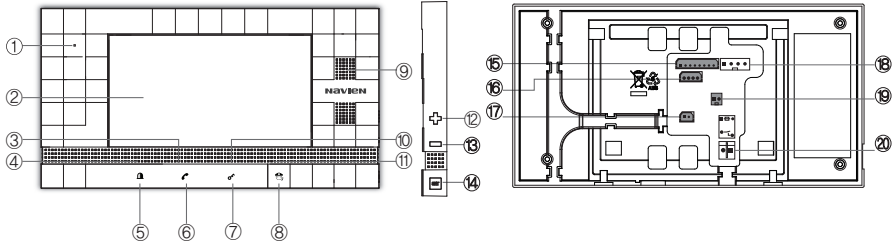
- a. If the power supply cord or plug is damaged.
- b. If any liquid has been spilled into objects have fallen in the unit.
- c. If the unit has been exposed to rain or water.
- d. If the unit has been dropped or otherwise damaged.
- e. If the equipment exhibits a distinct change in performance.

17. Replacement Part

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

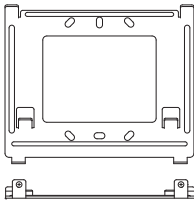
COMPONENTS

■ Main body

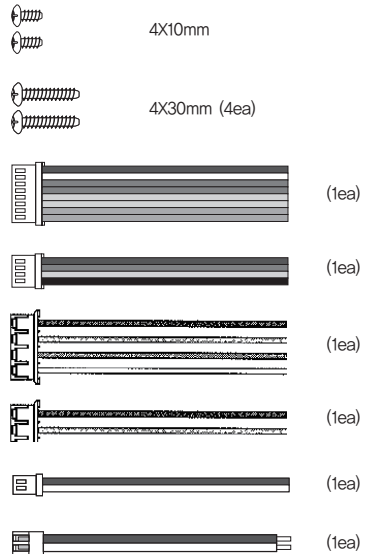


① Mic	⑧ Guard phone Button	⑮ Connection terminal for Lobby phone
② LCD Screen	⑨ Speaker	⑯ Connection terminal for Door camera
③ Talk LED	⑩ Door Open LED	⑰ Connection terminal for Magnetic sensor
④ Security LED	⑪ Guard phone LED	⑱ Connection terminal for Lobby phone Video
⑤ Security Button	⑫ +(UP) Button	⑲ Connection terminal for 14V power
⑥ Talk Button	⑬ -(DOWN) Button	⑳ Connection terminal for AC/DC Striker
⑦ Door open Button	⑭ SET Button	

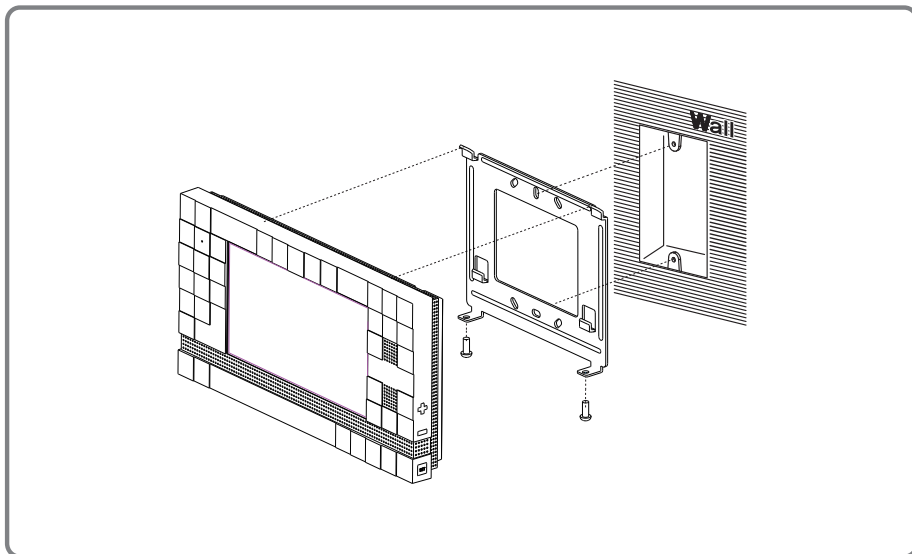
■ Fixing Bracket



■ Mounting Hardware & Cable



INSTALLATION

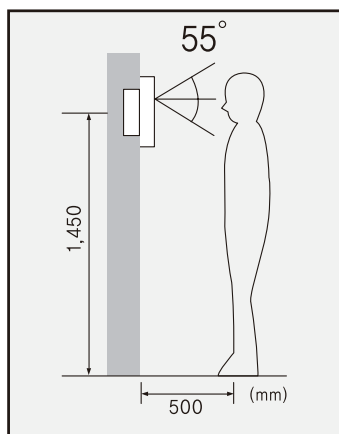


■ Standard height of video phone

1,450mm from the floor is suggested for locations of monitor and camera.

<Caution>

Install the monitor away from the heat, moisture and direct sun rays.



PRODUCT SPECIFICATIONS

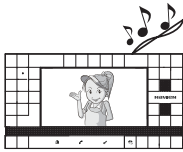
■ Specifications

DIV.		Specification
Power Source		AC 100~240(50/60Hz)
Wiring		Doorphone : 4 wires in polarity Lobby : 8 wires in polarity
System Composition		1 Doorphone + 1 Monitor
Distance		- DOOR : TIV 0.5(28M), TIV 0.65(50M), TIV 0.8(70M) Lobby : UTP 4P(8c)
Video Memory (Option)	Still Cut	256 Cuts
	Video	5f/s, 5sec, 32clips
LCD Screen	LCD	7" Color TFT LCD
	Video input	1Vp-p/75Ω, Composite NTSC/PAL(Color)
Environmental Circumstance	Temp.	0°C ~ 40°C
	Humidity	Less than 90% (Relative humidity)
Dimensions	Size	202 (W) × 142 (H) × 32 (D) mm
	Weight	UHA-744SG : 792g UHA-744SGM : 815g
Mounting		Wall surface mounted

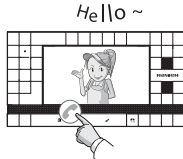
OPERATION

■ When a visitor pushes the Call Button (the door phone at the front door, or Lobby phone)

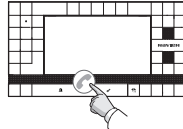
When a visitor pushes the Call Button on the door-phone at the front door, or Lobby phone The call is transferred to the Videophone.



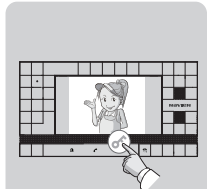
Call signal is ringing on the Videophone, while the image of the visitor appears on the screen. (approximately 30 seconds)



When Talk button is pressed, the conversation with the visitors starts, and "Talk" button LED illuminates.



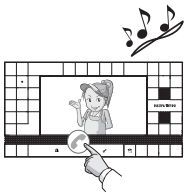
If you press the "Talk" button while talking with the visitor or the time limit of 1 minute is reached, the screen goes blank and the conversation ends.



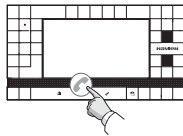
If you press the "Door Open" Button, the connected door would be opened and monitoring end.

※ 'DOOR' or 'LOBBY' appears at the top of the screen.

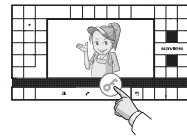
■ When using the Monitoring function



If you press the "talk" button, the image of the visitor would appear on the screen. (Duration : 1minute)

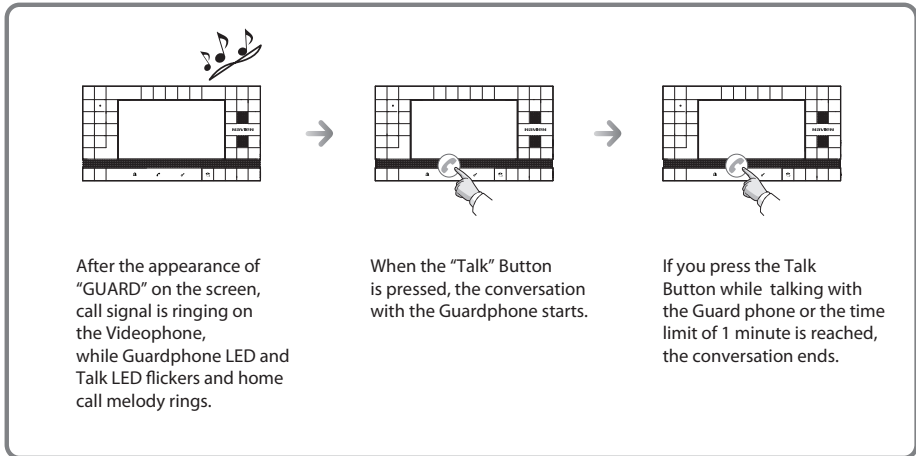


If you press the "Talk" Button while talking with the visitor or the time limit of 1 minute is reached, the screen goes blank and the conversation ends.

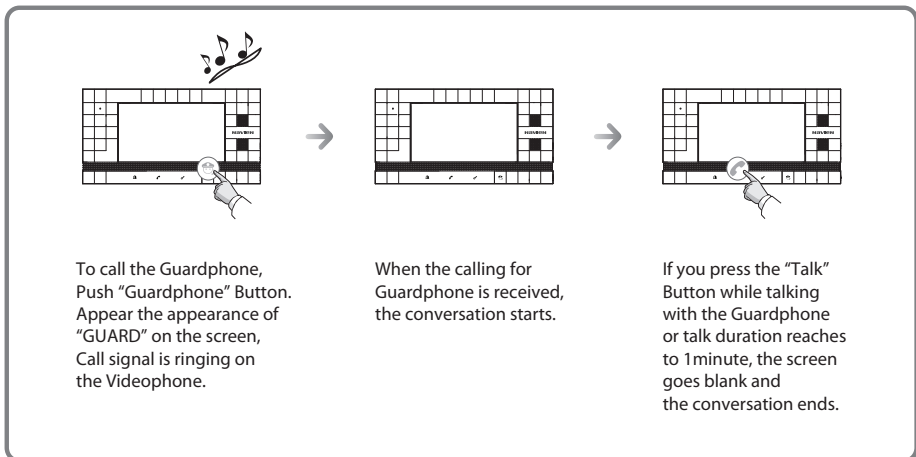


If you press the "Door Open" button during monitoring, the connected door would be opened and monitoring end.

■ Call signaling from the Guard phone

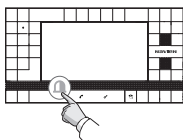


■ Intercommunication with Guard phone

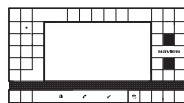


Alarm function(by the magnetic sensors only)

■ Setting alarm



Please push Security button more than 3 sec.



During the preset lead time, a lead time alarm sounds out. After the lead time, alarm is activated.

- ※ During the lead time, there is no alarm even an abnormal signal was detected.
- ※ If the window or door are not closed which have the magnetic sensor, it should be not possible to set the alarm function.

■ Releasing alarm

During the alarm activation, if the user presses Security button more than 3 sec, the alarm mode is released automatically.

■ Sensing the intrusion

1) In case of sensing the intrusion

- If the intrusion signal is detected from the door which has the magnetic sensor, the lead time alarm sound should go out during the preset lead time. After the lead time, the intrusion signal is detected and the emergency alarm sounds out.
- In case of the magnetic sensor is installed at the window, if an abnormal intrusion is sensing, the emergency alarm is activated immediately and the alarm sounds out.

2) Releasing the alarm

- During the alarm sounds out, if the user push the Security button more than 3 sec, the alarm is deactivated and the emergency mode is released.

- ※ In case of the alarm function, it doesn't work if the user didn't set the installation position at the manager mode. In addition, after the install the magnetic sensor, please preset the alarm setting after close the window or door definitely.

MANAGER MODE (Video memory equipped model)

Storing images of visitors

* Storing, identifying and deleting images of visitors.

Storing images

- Storing of images is done automatically during call signaling to the door-phone, depending on how the user has set up STILL/VIDEO storing in the user menu.
- If there's no storage space, it overwrites to make the new capacity of recording.
(VIDEO : 5sec 32cuts (5frames/1sec), STILL:256cuts)

Playing images

- If VMM module is installed and there are stored images, push the 'UP' key on the right and enter 'PLAY' mode. By pushing the 'UP' and 'DOWN' keys, the stored images can be played in order.
- If VMM module is not installed, an Error sound may occur when you push the 'UP' and 'DOWN' keys on the right.
- If VMM module is installed and there's no stored image, "NO Image" appears.
- If image storage type is set up as STILL, only STILL images are stored and played if set up as VIDEO, only video files are stored and played.
- If you push "SET" button on an image playing screen about 10 seconds passes, playing ends automatically.

User menu (VMM setting menu)

- You can enter the User menu, by pushing the "SET" button while standby.
- User menu is set up in associated with VMM, so if VMM is not installed an ERROR sound may occur when you pushing the "SET" button while standby.
- User menu ends automatically if about 30 seconds passes without pushing a button.
- While you are in User menu, call signaling to door-phone or Lobby phone, Guard Phone.

EXIT : menu closing

TIME : VMM time setting (for indication of storage time during playing of images)

SAVE : STILL/VIDEO

DELETE : deleting all the images and videos

- ※ While you are in User menu, you will not receive any door-phone, lobby phone, guard phone call.
- ※ When power is OFF → ON during setting data at User menu, the set data value may fail to be applied.

※ VMM : Video Memory Module

Menu setting functions

■ How to control the call signal bell

- You can control the call signal bell volume the "+" or "-" switch located on the side of the product when in-bound or out-bound calling.
- Using "+" or "-" switch, set the volume (1~3) and push the "SET" button to confirm.

■ How to control the talk volume

- You can control the talk volume the "+" or "-" switch located on the side of the product when talk with another phone.
- Using "+" or "-" switch, set the volume (1~3) and push the "SET" button for confirm.

■ Setting the picture quality

- You can control the picture quality on the screen
- When the screen is ON, push the "SET" button and can set the Brightness. You can see an image of the screen Brightness set mode
- Using "+" or "-" button, you can set the brightness(0~8, up to 9 phases). After adjusted screen brightness, press "SET" button and enter the Contrast set mode.
- Using "+" or "-" button, you can set the contrast (0~8, up to 9 phases). After adjusted screen contrast, press "SET" button and enter the Color set mode.
- Using "+" or "-" button, you can set the Color (0~8, up to 9 phases). After adjusted screen contrast, press "SET" button and setting is complete and the indication disappears from the screen.

※ [BRI] : Screen Brightness, [CON] : Screen Contrast, [COL] : Screen Color

■ Setting the lead time (by the magnetic sensors only)

- It is the setting of the lead time for entering home and out from.
- The lead time should be set for entering and out time simultaneously.
- The lead time can be set in case the magnetic sensor is installed at the door only.
- Please enter the menu after pushing "SET" button at the stand by mode.

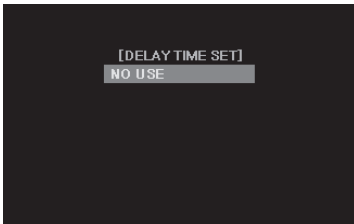


<Menu display of memory built in model>



<Menu display out of memory>

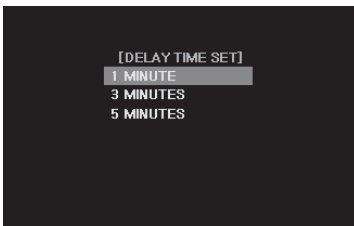
- By push "+" or "-" button, please move to the ALARM DELAY menu and push "SET" button.
- At the manager mode, the following figures are popped up according to the installed position of the magnetic sensor.



<In case of "NO USE">



<In case of "WINDOW" setting>

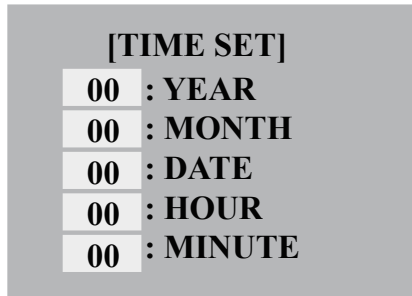


<In case of "DOOR" setting>

- In case of the "DOOR" position, the current lead time is displayed as the selected lead time.

- In case of "WINDOW" setting, the lead time is 0 Min. (No lead time for entering or out)
- In case of "DOOR" setting, the entering and out lead time can be set by 1 Min. 3 Min. or 5 Min.
- After the setting, if the user push "SET" button, it returns to the initial menu.

■ Additional functions (Video memory equipped model)



Setting of the year

- When the "SET" button (on the right) is pushed from the standby screen, the User menu screen appears.
- If you select "TIME" using the "UP" and "DOWN" buttons (on the right) on the Menu screen and push the "SET" button, YEAR, MONTH, DATE, HOUR and MINUTE appear.
- You can set the year using the "UP" and "DOWN" buttons, and if you push the "SET" button, you move to Setting of the month.

Setting of the month

- Year setting is followed by Month setting.
- You can set the month using the "UP" and "DOWN" buttons, and if you push the "SET" button, you move to Setting of the date.

Setting of the date

- Month setting is followed by date setting.
- You can set the date using the "UP" and "DOWN" buttons, and if you push the "SET" button, you move to Setting of the time.

Setting of the hour

- Date setting is followed by time setting.
- You can set the hour using the "UP" and "DOWN" buttons, and if you push the "SET" button, you move to Setting of the minute.

Setting of the minute

- Hour setting is followed by minute setting.
- You can set the minute using the "UP" and "DOWN" buttons, and if you push the "SET" button, setup is completed and the data are stored.

Ending setup

- When minute setting is completed, the User menu screen appears again.

※ If time set mode ends without completion of minute setting, the current data set up may not be stored.

■ User menu (Video memory equipped model)



* Video storage type setup mode

- If you push the "SET" (on the right) button from the standby screen, the User menu screen appears.
- Select "SAVE" on the menu screen pushing the "UP" and "DOWN" buttons on the right, and push the "SET" button.
- The present storage type appears under selection.
- Select either VIDEO or STILL as storage type using "UP" or "DOWN".
(VIDEO : video(5 seconds) storage / STILL : still image storage)
- If you push the "SET" button, the User menu appears again.



- If you push the "SET" button on the standby screen, the User menu screen appears.
- Select "DELETE" on the menu screen using the "UP" and "DOWN" buttons, and push the "SET" button.
- Select either YES or NO using the "UP" and "DOWN" buttons and push the "SET" button.
(YES : Delete all images / NO : Do not delete images)
- User menu screen appears again after the operation is completed.

Manager mode is the product setting mode that allows a installer to configure the device environment(setting phone ID, the type of door phone camera and magnetic sensor position) needed for operation.

While you are in Manager mode, you will not receive any door-phone, lobby phone or guard phone call.

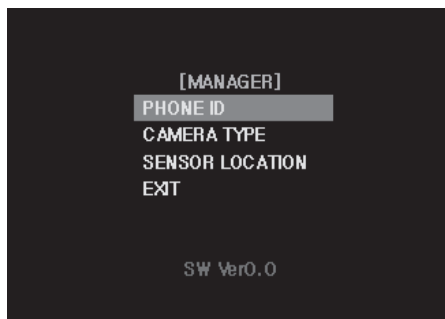
- ※ The product must be turned off and on again to save and apply the configuration changed in Manager mode .
- ※ When power is OFF → ON during changing the configuration on Manager mode, the modification may fail to be applied.

To select MANAGER menu

- Enter "MANAGER" mode by pressing and holding the Door Open button for more than 3 seconds in a standby state after power is on.



[Initial screen after switched on]



[MANAGER MODE SCREEN]

■ PHONE ID setting.

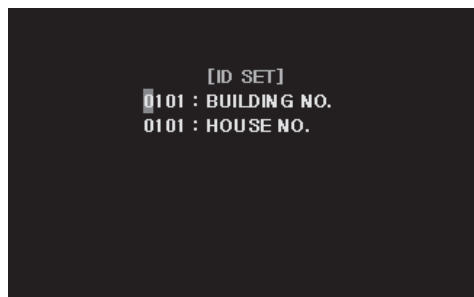
It's the mode to set the related information such as APT building and other information to communicate with the main controller etc..

The initial default is APT building with 0101 and flat number with 0101.

- At [MANAGER] menu, by using "+" and "-" button, the user can select [PHONE ID] and push "SET" button to display [ID SET] menu and it shows also the current set value.
- By using "+" and "-" button, the user can change the first digit of (APT Building No.) as needed. And then the user pushes "SET" button, it goes to the second digit.
- Like as above, By using "+" and "-" button, the user can change APT building No. in serial as desired. Then the mode goes to the first digit of (Flat No.)
- Like as above, By using "+" and "-" button, the user can change Flat No. in serial as desired. Then if the user pushes "SET" button, the setting mode is completed.

And the initial screen of [MANAGER] menu is displayed again.

In case of the power failure during the setting of PHONE ID, the changed setting information isn't reserved.



■ Setting CAMERA TYPE

* This is a mode that allows you to set the type of the door-phone camera to be connected with the videophone.

* Set up as NTSC by default.

- Select [CAMERA TYPE] from [MANAGER] menu using the "UP" and "DOWN" buttons, and then if you push the "SET" button, [CAMERA TYPE] menu appears, which indicates current setup.
- Select the type of the door-phone camera to be connected with the videophone using the "UP" and "DOWN" buttons at the bottom and then push the "SET" button.
- You can see what was set in "CAMERA TYPE" on the screen.
- If you push the "EXIT", using "UP", "DOWN", the [MANAGER] menu screen will appear again.



- ※ Caution: The camera must be connected that matches the configuration setup. If you fail to do this, (e.g., connecting PAL camera while set up as NTSC) the screen image may not appear correctly. Then, the screen is returned to the normal state when the power is OFF → ON

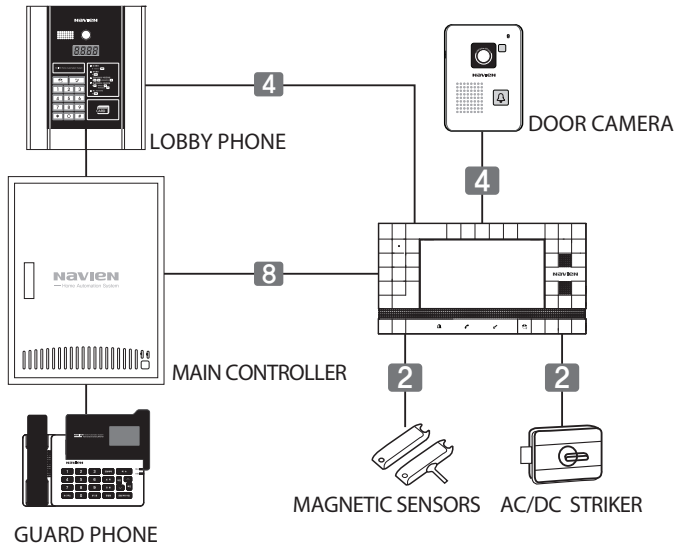
■ Setting the position of the magnetic sensor (by the magnetic sensors only)

- * It sets the position of the magnetic sensor.
- * The initial mode is "NO USE".
- * In case of NO USE, the alarm function isn't available.
- In the [MANAGER] menu, please select [SENSOR LOCATION] by "+", "-" button.
Then if the user pushes "SET" button, [SENSOR LOCATION] menu would be displayed.
In this case, it shows the currently set status as follows.
- By "+", "-" button, please select the position of installation of the magnetic sensor.
Then the setting is completed by pushing "SET" button.
And then the initial [MANAGER] menu is displayed again.
In this time, according to the set position of the installation, the default value of alarm delay time is set automatically.
(NO USE : NO USE, WINDOW : 0 MINUTE, DOOR : 1 MINUTE)
- By "+", "-" button, if the user pushes "SET" button at "EXIT", the initial [MANAGER] menu is displayed again without any change of setting.
- ※ In case of opened window / door and the wrong sensor connection, the setting of installation position of sensor selects only "NO USE".
- ※ In case of the power off during the setting, the changed setting of the installation position is not recorded.

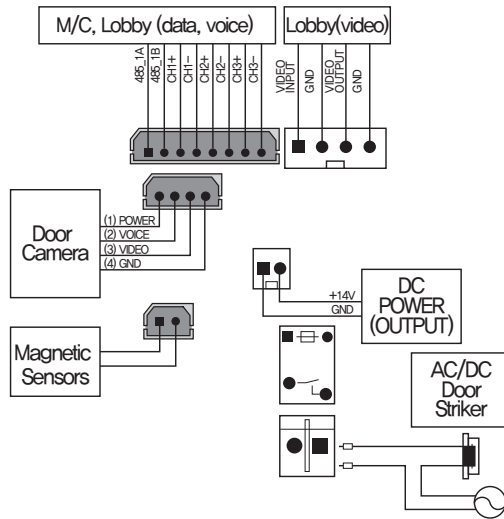


WIRING DIAGRAM

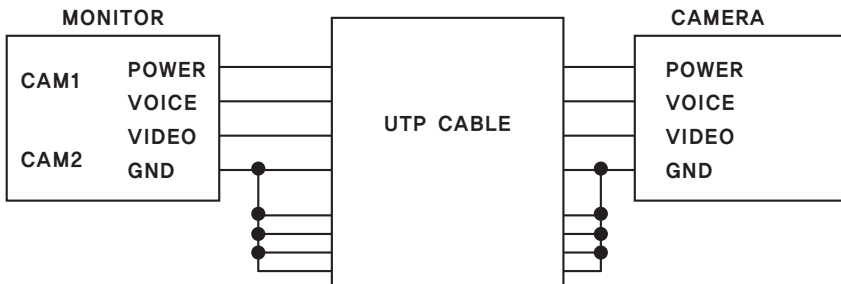
■ System Wiring



■ Wiring Diagram



■ Door Camera Wiring



If UTP CABLE [CAT.5] is used, use 5th lines for GND line

■ Distance Door: 28m (ϕ 0.5) / 50m (ϕ 0.65) / 70m (ϕ 0.8)



Note :

Arbitrarily installed additional monitors may lower the quality of video and voice transmission

WARRANTY

Products are supplied with two(2) years return to base warranty from the date of purchase. We will repair or replace the defective item with a new or factory rebuilt replacement.

Condition

- 1.This warranty applies to the original purchaser only.
2. All warranty will be invalid if unauthorized repair or modification are made to the unit or in any case of accident, misuse, damage cause by improper installation and altered serial numbers.
3. The liability of is limited to the cost of repair/replacement of the unit under warranty.
4. If you need a warranty service, you should send the product to our customer service Dept or dealer office. The product in all cases must be accompanied by the following items:
Your name, address, telephone number, the serial number, copy of your sales receipt showing the purchase date.

The Model Number is on the box and front of the manual. The Serial Number is on the bottom of the unit. Record the Model and Serial Numbers in the spaces provided below.

Refer to these numbers for warranty service.

Model No.

Serial No.

memo

memo

memo

memo

memo



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