






-Safety & Operating Instructions-
VIDEO DOOR PHONE
NVM-1004/NVC-4104

-These instructions are for your safety. Please read through them thoroughly before use and retain for future reference-

Parts Supplied

Fittings Supplied

Ref	Description	Illustration	Qty
A	Indoor Video Monitor		1
B	Outdoor Doorbell Camera		1
D	Wall mounting bracket		1
E	Power Transformer		1

Ref	Description	Illustration	Qty
F	Screw (3 x 10)		2
G	Screw(4 X 20)		8
H	Power cover		1
I	Locker		2
J	Bracket Holder		1

Before You Start

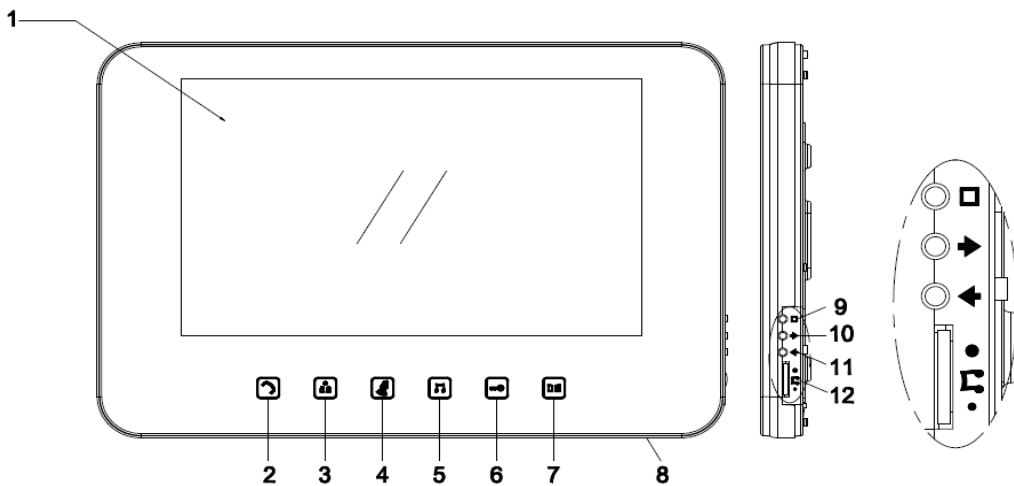
✚ Check pack and make sure you have all of the part listed above. If not, contact your local store who will be able to help you.







Technical Characteristics

Video Monitor (NTI-1000)	Specifications	
Dimensions	300[W] x200 [H] x20 [D] mm	
Weight	1.0Kg	
Input Power	DC16V (External Power Supply)	
Power Consumption	Idle mode : 2W Operating : MAX 16W	
Connecting System	4 wires; 2 Cameras, 2 Monitors	
Voice transmission	Half duplex two way communication	
Call sound	Chime sound With 4different melody selection	
Max. Distance & wiring	Monitor to Camera 100M : Min. 1.5mm ² wire	
	Monitor to slave: 20M: 1.5mm ²	
	Door Lock to Camera 20M : 1.5mm wire	
Video S/N Ratio	50dB	
Audio S/N Ratio	40dB	
Function	1.	Talk / Monitor off/ Intercom
	2.	Camera 1, 2 select
	3.	Mute N/A
	4.	Melody Select
	5.	Door Open
	6.	Gate Open
Aspect Material	Acryl	
Display	10.2 inch Digital LCD	
Resolution	2400(H)X480(V)	
Monitor on time	Stanby : 40sec Auto off : 80sec	
Users Control	Brightness, Contrast, color, chime volume	
Operating Temperature	0° C ~ 40° C(32°F ~ 104°F)	
Storage Temperature	-20° C ~ 60° C(-4°F~ 140°F)	

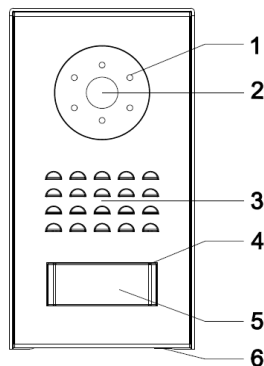
Doorbell camera (NTI-4104)	Specifications	
Dimensions	90[W] x180[H] x 15 [D] mm	
Weight	0.33Kg(W/rain shield)	
Input Power	DC12V from monitor	
Power Consumption	Max 3W	
Aspect Material	Aluminium	
Wiring	Monitor:4wires Door lock:2Wires	
Image sensor	1/4 inch CCD, colour	
TV system	PAL	
Resolution	420 TV Lines	
Video output	Composite video signal 1Vp-p at 75ohm terminated	
No. of pixels	270,000.pixels	
Iris	Electronic auto iris	
Lighting	White LED	
Viewing Angle	Diagonal:70° horizontal:51° vertical:41°	
Lens	3.6mm pin hole lens	
Min. Illumination	1Lux	
Door lock	2 terminals with DC power output max 12V.1.0A	
Mounting type	Wall mount	
Operating Temperature	-10° C ~ 45° C(14°F ~ 113°F)	
Storage Temperature	-20° C ~ 60° C(-4°F~ 140°F)	

Video Monitor



1. Monitor screen
2.  Talk on/Talk off (Monitor off) / Intercom on standby mode
3.  (Camera 1, 2 select)
4.  Mute on/off
5.  Melody Select
6.  Door Open
7.  Gate Open
8. Microphone
9. Menu: Brightness/ Contrast
10. Adjust Down
11. Adjust Up
12. Volume Control

Doorbell Camera



- | | |
|--------------------------------|----------------|
| 1. White LEDs for night vision | 4. Call Button |
| 2. Camera lens | 5. Name Plate |
| 3. Speaker | 6. Microphone |

Safety Instructions

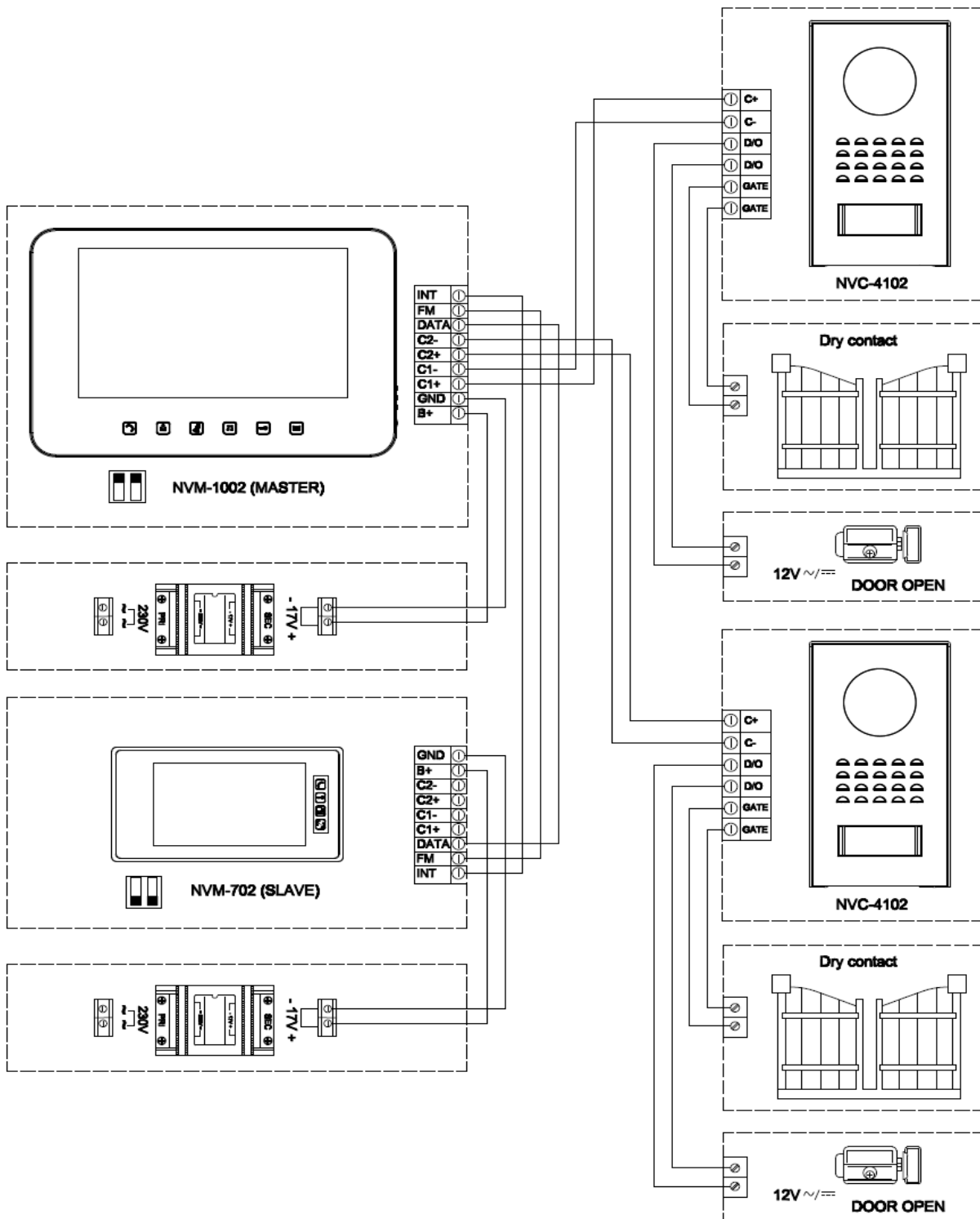
1. Do not install near other electronic equipment such as computers, TV, video recorder as this may cause radiated interference to the unit.
2. Do not disassemble the unit.
3. Do not spray water on the indoor unit. Do not keep the outdoor unit where it will be exposed to extreme moisture.
4. Do not overload mains wall outlets or extension cords.
5. Do not drop or shock the unit.
6. Remove the power cord from the wall socket when unit is not used for long periods.
7. Do not place any naked flames (e.g. lighted candles) on the apparatus.
8. Do not place objects filled with water (e.g. vases) on the apparatus.
9. Do not cover the ventilation holes with clothing, paper, curtains etc.
10. This apparatus is designed for moderate climates. Do not use in high humidity, dusty or dirty areas.
11. To disconnect or isolate the unit, switch off at the socket or remove plug from wall socket. Please ensure the plug and socket is easily accessible.

Warning

1. Do not install the outdoor unit where it will be exposed to direct sunlight or any strong reflected light. Avoid extremely bright locations for the indoor unit as the monitor screen image will be adversely affected.
2. Do not install the outdoor unit where it will be subjected to extremes of dust or moisture.
3. Do not install the outdoor unit where it will be exposed to rain.
4. Do not install near acid oxides, ammonia, or any harmful gas (it might cause malfunction).
5. Do not install the outdoor unit in a location where the lens filter is likely to get scratched or very dusty.
6. Check cables are connected correctly and camera unit is firmly installed.

-Assembly instructions-

WIRING DIAGRAM

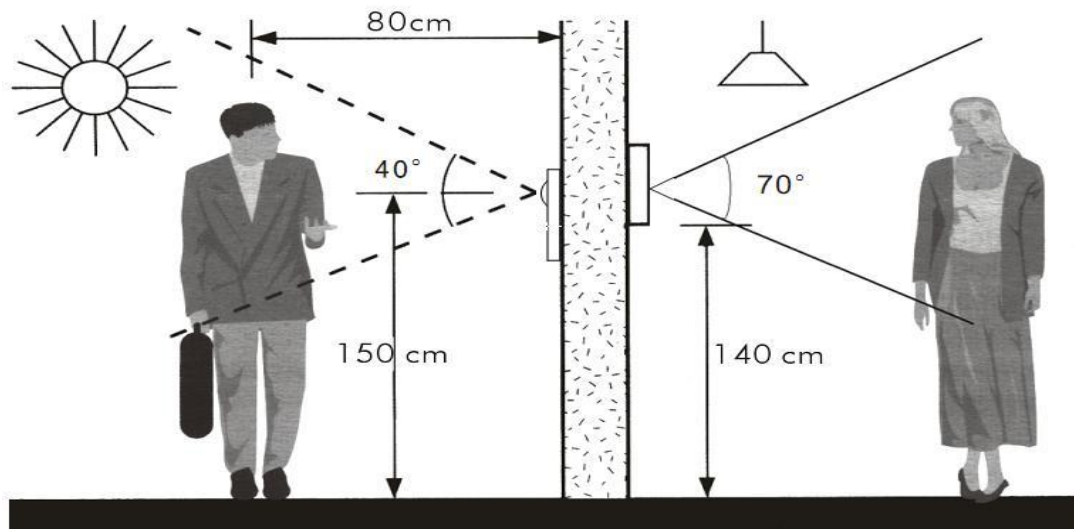


A) Cable connection

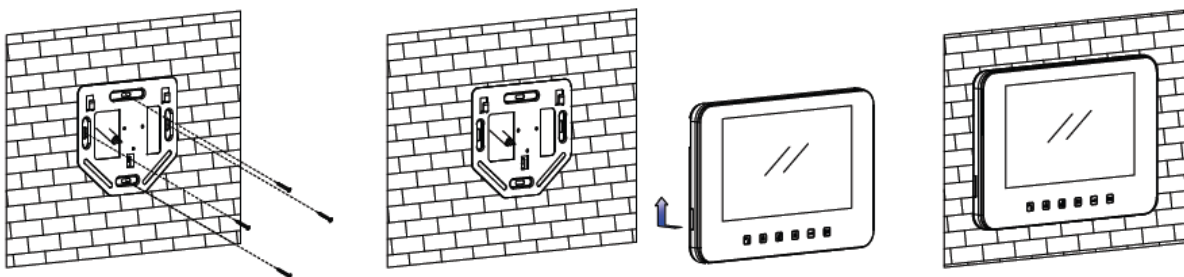
1. Connect the monitor to the camera with the cable according to the wiring diagram.
2. Carefully insert the wires to the terminal by pressing down the terminal flap with any small tool taking care that the 2 bare wires do not touch.

B) Installation height

1. Recommended installation height is approximately 140cm for monitor unit and 150cm for outdoor camera.



C) Installation of indoor monitor



1. Fix the wall mounting bracket in the best place by using 4 screws and plugs.
2. Carefully place the indoor monitor against the bracket and gently push down the monitor so that the pins on the bracket engage in the slots on the rear of the monitor.
3. Setting the Master and Slave monitor:

IMPORTANT !

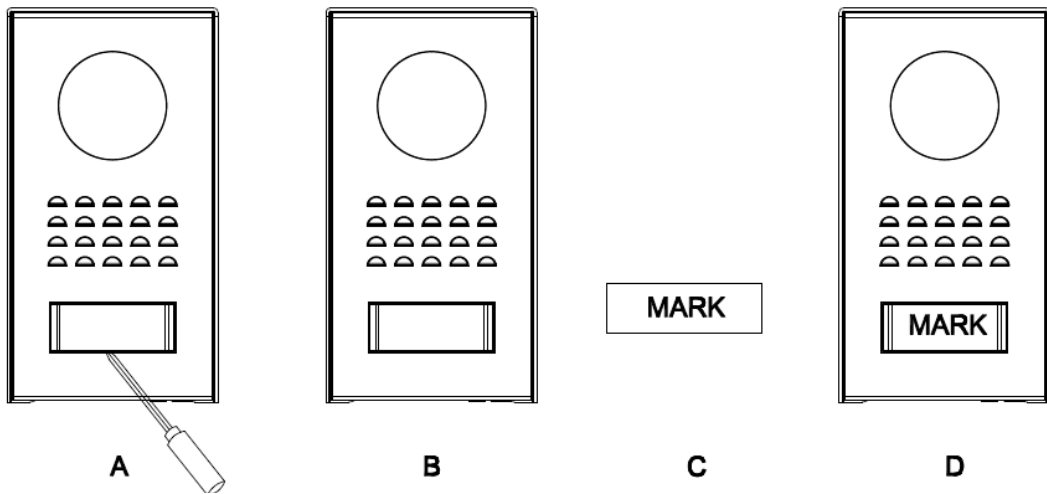
Depending upon the installation (1 or 2 video monitors) the position of the dip-switches on the back of each video monitor must be set correctly (see table below)
Any changes to the position of the dip-switches on either the main or optional video monitor will require the power supply to be disconnected for 30 seconds and then reconnected

1 MONITOR SETUP			
Status Switch 1	Status Switch 2		
ON (top)	ON (top)		
2 MONITORES SETUP			
Monitor	Status Switch 1	Status Switch 2	
Master	ON (top)	ON (top)	
Slave	OFF (down)	OFF (down)	

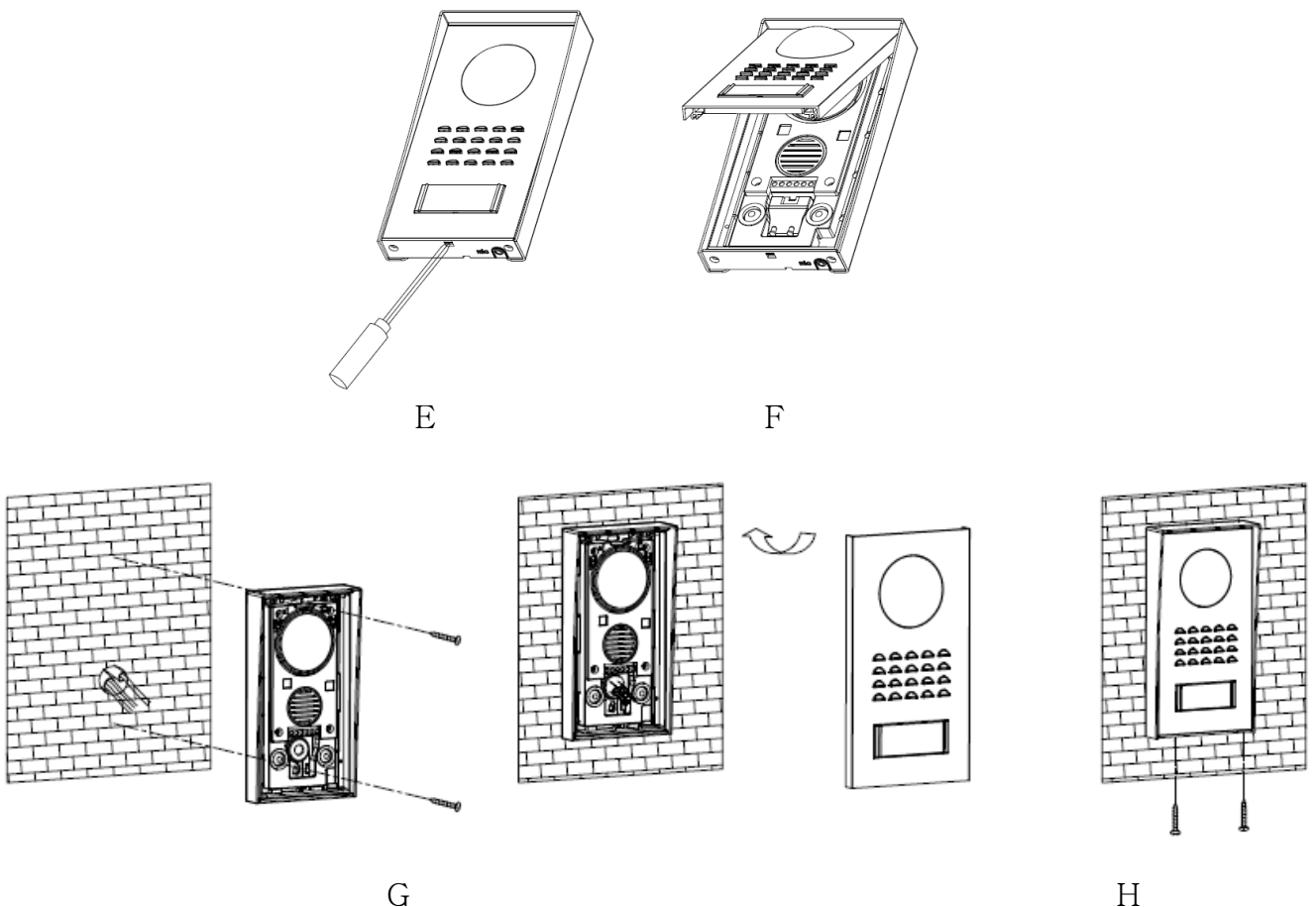
D) Installation of outdoor camera

Add the name to the nameplate

- 1) Release the button block from the panel and remove the cover (Fig. A & B)
- 2) The name plate is now accessible (Fig. C)
- 3) Mark your name on the plate (Fig. C)
- 4) Place the button block back to the panel (Fig. D)






Mounting the camera





- 1) Remove the front cover (Fig. E & F)
- 2) Mount the outdoor unit on the wall by using 2 mounting screws and wall plugs. (Adjust the camera angle if necessary.) (Fig. G)
- 3) Replace the front cover and security it by replacing the 2 screws at the bottom of the camera. (Fig. H)

Operating Instructions

1. Activation of Units

When the call button on the outside camera unit is pressed, the indoor unit chime rings and the visitor's picture will appear on the indoor monitor. After the visitor is visually identified, and you wish to talk with the visitor, touch the  Talk On icon. The unit will remain activated for approximately 40 seconds before it automatically shuts off. To re-activate for continued conversation, touch the  Camera 1/2 icon. To manually shut off touch the  Talk On icon.

2. Activation of outside unit from monitor unit

- a) Touch the  Camera 1/2 icon of the indoor unit at any time and the main outdoor camera will be activated and show the outside view.
- b) If you have installed two cameras, press the  Camera 1/2 icon to change from camera one to another.

3. Working time

- a) Call time: Approximately 40 seconds

The picture terminates automatically if indoor unit is not answered within approximately 40 seconds after the call button of the outdoor camera unit is pressed.




- b) Talk time: Approximately 80 seconds

When monitor unit is called by the outdoor unit and the monitor is answered, there is approximately 80 seconds of time available before the unit automatically shuts off.

- c) Monitor time: Approximately 40 seconds

When outside camera is activated from the inside, there is approximately 40 seconds of viewing time before the unit automatically shuts off.

4. Activation of (“ Intercom” Function)

When the monitor is in standby mode touch the  Talk On/Off icon on the indoor monitor, monitor rings with intercom call sound. Another monitor will ring with intercom calling. touch the  Talk On/Off icon on other monitor to initiate conversation among monitors. Touch the  Talk On/Off icon to end intercom conversation . There is approximately 120 seconds of time before the unit automatically shuts off.

5. Activation of Mute On/Off




When target monitor’ s status is mute on and Intercom function is activated, target monitor’ s LED will flash between red and blue, without chime sound.

Mute On: touch the  mute on/off icon and the icon LED turns red colour.


Mute Off: touch the  mute on/off icon and the icon LED turns blue colour.

When the monitor’ s status is Mute on, there will be no melody, while other functions will be normal.


6. Activation of Melody Selection

Melody can be selected by touching the  melody icon. The designated chime will ring, then choose from 4 different melodies available by touching the  icon to change to target melody. To confirm melody you have chosen, touch the  melody icon and the selected melody will be set as the new default chime.

7. Activation of Door Open (Open function)

Door Open function: If you want to open the door to let the caller in, just touch the  “ Door Open” icon on the indoor monitor. The door open function can only be activated when the monitor is turned on.

8. Activation of Gate Open (Gate function)

Gate Open function: If you want to the Gate door to let the caller in, just touch Gate Open Icon  on the indoor monitor. The gate open function can only be activated when the monitor is turned on.

Care and Maintenance

- Do not store in hot or cold areas. Extreme hot or cold temperatures can shorten the life of electronic devices and can distort/melt certain plastics or may cause malfunction.
- Dropping can result in failure to operate. Circuit boards can crack and may not survive the impact.
- Do not use or store in areas of high levels of dirt or dust. The electronics may be contaminated. Any moving parts will wear prematurely.
- Do not use harsh chemicals, cleaning solvents or strong detergents. To clean, wipe with a damp cloth from time to time.

Troubleshooting

No.	Problem	Check point
1	No power (no picture on monitor)	Check to make sure the AC plug is firmly inserted into the AC outlet.
2	Power is on, but no picture on the monitor	Check the all cable connections to ensure that all are firmly connected between the monitor and the camera. Check the polarity of wires, they may not be correctly in connection between the outdoor camera unit and indoor monitor unit.
3	The picture is too dark or white	Use the Menu buttons located on the lower right side of the indoor monitor, adjust brightness, contrast, and saturation control
4	Chime sound is too low	Adjust the volume control

Environmental Protection

- Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

