



User Manual

DNAKE E211

REMARK

Please follow the user manual for correct installation and testing. If there is any doubt please call our tech-supporting and customer center.

Our company applies ourselves to reformation and innovation of our products. No extra notice for any change. The illustration shown here is only for reference. If there is any difference, please take the actual product as the standard.

The product and batteries must be handled separately from household waste. When the product reaches the end of service life and needs to be discarded, please contact the local administrative department and put it in the designated collection points in order to avoid the damage to the environment and human health caused by any disposal. We encourage recycling and reusing the material resources.

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PRODUCT FEATURE

- 1. Elegant Design
- 2. Fade-resistant keys
- 3. Fully functional
- 4 Surface mountable
- 5. Optional handset
- 6. Optional Wi-Fi
- 7. Model Description:

E211 (Standard); E211W (Wi-Fi);

E211H (Handset); E211A (Wi-Fi + Handset)

TECHNICAL PARAMETER

System: Linux

Front Panel: Plastic

Power Supply: PoE (802.3af) or DC 12V/2A

Standby Power: 1.5 W

Rated Power: 6 W

Wi-Fi: IEEE802.11 b/g/n,@2.4GHz (Optional) Ethernet Port: 1 x RJ45, 10/100 Mbps adaptive

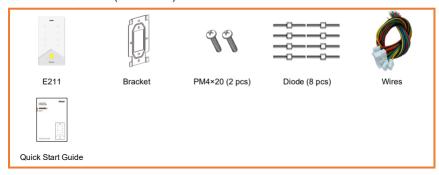
Working Temperature: -10°C to +55°C

Storage Temperature: -40°C to +70°C

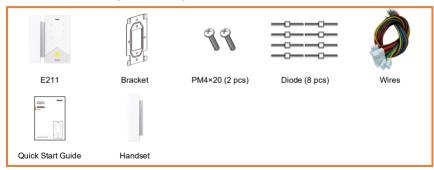
Working Humidity: 10% to 90% (non-condensing)

PACKAGE CONTENT

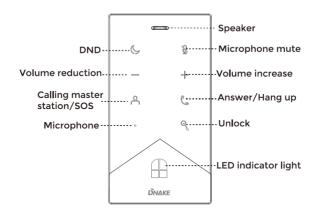
MODEL: E211/E211W (No handset)

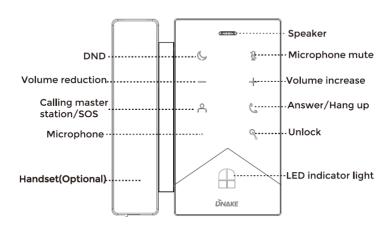


MODEL: E211H/E211A (With handset)



OVERVIEW





1. DND

Short press to turn on/off do not disturb when on standby and no alarm detected.

(Backlight will keep on when DND is enabled. No calls can call in and DND on the device is only for enabling the whole day or disabling. The duration of DND can only be configured on the web.)

2. Microphone Mute

a. Short press to mute the microphone when talking.

(Backlight will keep on when Mute is enabled. The party on Door Station won't hear anything from Indoor Monitor. Indoor Monitor will be unmuted again after the call is hang up.)

3. Volume Decrease

a. Short press to lower the system volume when ringing or calling;

(System volume will be decreased gradually after every short press.)

b. Short press to lower the call volume when talking;

(Call volume will be decreased gradually after every short press.)

4. Volume Increase

a. Short press to increase the system volume when ringing or calling;

(System volume will be increased gradually after every short press.)

b. Short press to increase the call volume when talking;

(Call volume will be increased gradually after every short press.)

5. Call Master Station/SOS Ω

a. Short press to call Master Station;

(Backlight of Answer/Hang up will flash, Ringback tone can be heard.)

b. Long press 2s to send SOS;

(Backlight will keep on for 2s. SOS can be initiated anytime.)

6. Answer/Hang up

a. Short press to answer when ringing;

(Backlight will stop flashing and keep on.)

b. Short press to hang up when talking;

(Backlight will turn from on to off.)

c. Short press to cancel when calling;

(Backlight will stop flashing and turn off.)

d. Short press to call target number when in standby mode (Target number should be added beforehand);

(Backlight will flash. Ringback tone can be heard.)

7. Unlock

- a. Short press once within 2s to unlock relay 1 when talking;
- b. Short press twice within 2s to unlock relay 2 when talking;
- c. Short press three times within 2s to unlock relay 3 when talking;

(Backlight will flash one time after 2s and lock will start to unlock.)

d. Long press 2s to clear the alarm;

(Security alarm will be turn off while confirming alarm)

8. Volume Increase (+) + Volume Decrease (-)

Long press and hold "+" and "-" simultaneously to switch ringtones. Press "+" or "-" to choose; 4 kinds of ringtones available.

(Both backlights will keep on until you long press and hold them again.)

9. Microphone Mute () + Volume Increase (+)

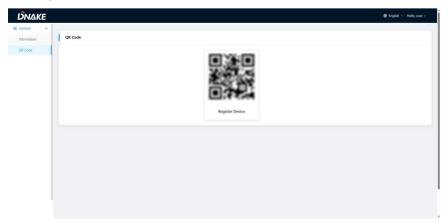
Long press and hold "\(\sum \)" and "+" simultaneously to turn on/off defense.

(Backlight of LED indicator light below will keep flashing. And Indoor Monitor will make a beep sound.)

BASIC OPERATION

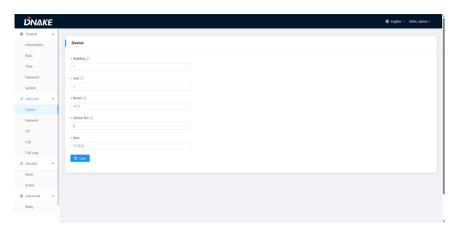
1. Get QR Code for DNAKE Smart Life app

Log in the device's web configuration page with account (user) and password (1234). Click QR Code and scan by DNAKE Smart Life app to add this Indoor Monitor to your phone. Only when the license is filled in Internet-connected Indoor Monitor, QR code will be available.



2. Add More Indoor Monitors

Keep Building, Unit, Apartment No., Sync the same as other Indoor Monitors, and Device number should be different. The Device number can be from 0 to 9. But you must have one Indoor Monitor's Device number is 0 and keep it online because 0 here stands for the main one.



Or go to Indoor Monitor's webpage and find Ex Phone in Intercom > Call. Users can directly extend to more Indoor Monitors by filling in sip:IP address (6 Max) such as sip:192.168.68.90. (Please refer to WEB SETTING for the way to access to webpage)



WEB SETTING

Connect Indoor Monitor and PC to a network switch in the same LAN. You can enter the IP address of Indoor Monitor in the web browser search bar and log in with the default account (admin) and password (123456). This is where you can configure the device.

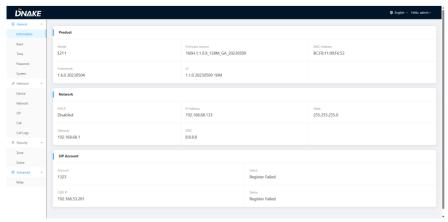
To get the IP address, you can search by DNAKE Remote Upgrade Tool installed in the same LAN with the devices



1. General

1.1. General > Information

When you first log in to the web interface, you can find basic information displayed in this dashboard.



Model:	Model of the device;
Firmware Version:	Firmware version of the device;
MAC Address:	MAC address of the device;
Framework:	Framework of the device;
UI:	UI of the device;
DHCP:	Status of DHCP;
IP Address:	Current IP address of the device;
Mask:	Subnet mask of the device;
Gateway:	Gateway of the device;
DNS:	Domain Name Server of the device;
Account:	SIP account of the device;
Status:	Status of SIP registration of the device;
CMS IP:	IP address of CMS;
Status:	Status of CMS registration;

1.2. General > Basic

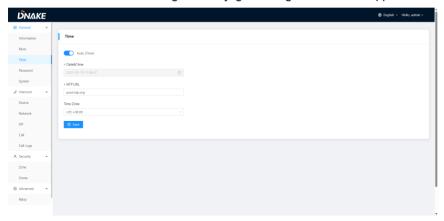
Some basic settings of the device can be configured in this column.



Language:	16 languages supported (简体中文, English, 繁體
	中文, עברית, Deutsch, Español, Türk, Tiếng Việt,
	Nederlands, Português, Polski, Русский, عربي,
	Français, Italiano, slovenský);
System Vol:	Volume of System can be set from 1 to 6.
	Volume 6 is the maximum volume (Key tone);
Intercom Vol:	Volume of Intercom can be set from 1 to 6.
	Volume 6 is the maximum volume (Call volume);
Ringtone:	The ringing sound (Ringtone 01-04);
Standby LED Indicator:	The switch for LED light on the device;
Key Tone:	The keytone (Enable or disable);
Auto Answer:	Pick up the phone automatically when receiving
	a call;
DND:	Disable or set a time for do not disturb (Disable,
	Whole Day, or Duration);

1.3. General > Time

Time of the device can be configured. Daylight Saving Time is also supported.



Auto (Time):	Enable to synchronize computer time;
Date&Time:	Date and time can be set manually;
NTP URL:	Network Time Protocol (NTP) is a protocol used
	to synchronize NTP time;
Time Zone:	A region that observes a uniform standard time;

1.4. General > Password

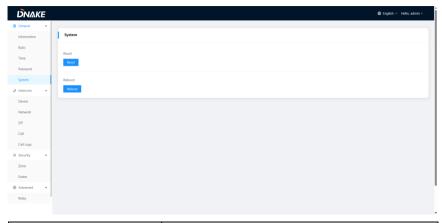
The System password is for the administrator to log in settings on the device while the Web password is for the administrator to log in settings on the web. The default password for both of them is 123456. User for Indoor Monitor is the security password whose default password is 1234.



Admin Old Password:	Current administrator password of the web (Default 123456);
Admin New Password:	New administrator password of the web;
Admin Confirm Password:	Confirm administrator password of the web;

1.5. General > System

The system column is designed for data backup and restore, firmware upgrade, factory default, device reboot, packet capture, logs capture, and obtaining UI screenshots.



Reset:	Reset to factory settings;
Reboot:	Reboot the device;

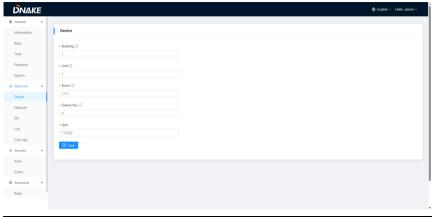
2. Intercom

2.1. Intercom > Device

Numbers here are basic settings for making a call to Indoor Monitor. For Door Station, the building and unit number should be the same as those in Indoor Monitor

For Villa Station with one button, the building, unit, and room number should be the same as those in Indoor Monitor.

When users want to use more than 1 Indoor Monitors, keep Building, Unit, Apartment No., Sync the same as other Indoor Monitors, and Device number should be different. The Device number can be from 0 to 9. But you must have one Indoor Monitor's Device number is 0 and keep it online because 0 here stands for the main one.



Building:	Number of the building (Range: 1-999);
Unit:	Number of the unit (Range: 0-99);
Room:	Number of the apartment (Range: 0-9899);
Device No:	Number of the device (Range: 0-9);
Sync:	A number used to synchronize to other Indoor
	Monitors;

2.2. Intercom > Network

The device network can be set to either DHCP or a static IP address. CMS parameters should be configured here when you try to register this device to CMS.



DHCP:	Enable DHCP (Dynamic Host Configuration
	Protocol) to dynamically distribute network
	configuration parameters;
IP Address:	Configure Static IP address to manually
	distribute network configuration parameters;
Mask:	Subnet mask;
Gateway:	A component that is part of two networks, which
	use different protocols;
DNS:	Domain Name Server of the device;
Wi-Fi:	Search and connect to Wi-Fi to access the
	Internet;
CMS:	Enable to use CMS software to manage devices;
CMS IP:	Server address of CMS;

2.3. Intercom > SIP

The SIP column concerns SIP registration, Display Name, Register Name, Username, Password, SIP Server Host, Outbound Proxy, Transport Protocol, Video Payload, etc.



SIP:	Enable to use SIP;
Display Name:	Display name of SIP account;
Register Name:	Register Name of SIP account;
Username:	Username of SIP account;
Password:	Password of SIP account;
SIP Server Host:	SIP Server domain or IP address; the default
	port is 5060;

Outbound Proxy:	Outbound Proxy server; the default port is 5060;
Transport Protocol:	Transport Protocol (UDP, TCP, TLS);
Video Payload:	Video payload range is 96-127;

2.4. Intercom > Call

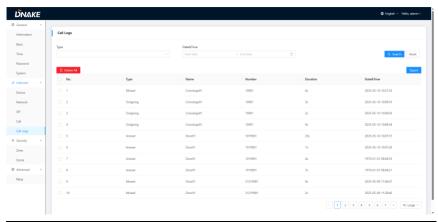
Ring group is for setting up SIP calls or call mode. Concierge button, extension of other Indoor Monitors, the length of the call, and ring time can also be configured here.



Call Concierge URL:	Fill in any device's IP address. The concierge icon or button will be directed to this destination;
Target Number:	Fill in other device's IP address. Call button on the device will be related to this target number.
Ex Phone:	Extend to more Indoor Monitors by filling in sip:IP address (6 Max) such as sip:192.168.68.90 (6 Max);
Ring Time:	The ring will be ended automatically after a period of time (10s, 20s, 35s, 45s, 60s, 90s, 120s)
Call Time:	The call will be ended automatically after a period of time (120s, 300s, 600s, 1200s, 1800s);

2.5. Intercom > Call Logs

All call logs can be checked here.

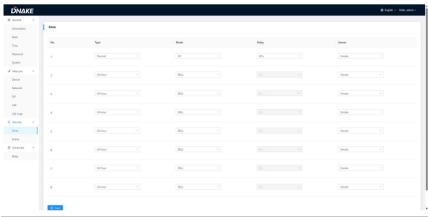


Search:	Fill in text inputs to search;
Reset:	Click reset to clear words in text inputs;
Delete All:	Delete all data on the chart;
Export:	Export all data on the chart;

3. Security

3.1. Security > Zone

Zone column is the setup page for security sensors.



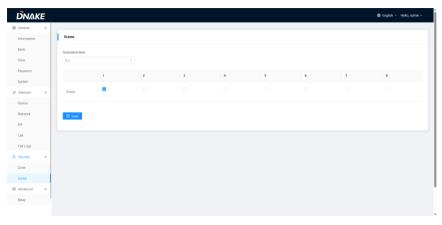
Type:

 Normal: When users enable an alarm scene on the On/Off page, Normal type alarm zone will be activated after activation time.

	 100 seconds is the default activation time, it means the alarm will be activated after 100 seconds. After 100s, once sensor is triggered, Indoor Monitor will send this alarm to Master Station. But sometimes users don't want to send the alarm to Master Station (maybe alarm by mistake), users can set the Delay time, so they can cancel the alarm in the Indoor Monitor during this Delay time (PIR, Door, Window); Emergency: once Panic button is triggered, Indoor Monitor will not initiate an alarm and only Master Station will receive alarms secretly; 24 hours standby even if the security is off (Panic, Pull Cord); 24 Hour: Indoor Monitor will initiate an alarm and Master Station will also receive alarms. 24 hours standby even if the security is off (Smoke, Gas, Flood);
Mode:	 3C: for the sensor with 2.2KΩ resistance; Regardless of the connection to NC or NO, the alarm can be triggered normally; NO: normally open; NC: normally closed; BELL: in BELL mode, Master Station will not receive any alarm. Indoor Monitor is regarded as a doorbell receiver;
Delay:	Once sensor is triggered, Indoor Monitor will send this alarm to Master Station, but users can terminate the alarm sending to Master Station during the delayed time set here. Delay setting is only effective for Normal type (0s, 5s, 15s, 20s, 25s, 40s, 60s);
Sensor:	Sensor types (Smoke, Gas, PIR, Door, Window, Panic, Flood, Pull Cord);

3.2. Security > Scene

Scene column is for security sensors' trigger conditions.

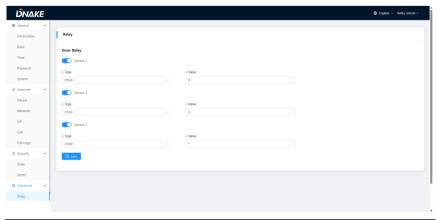


Activation Time:	Only after activation time, will scene be activated. Activation time is only effective for Normal type (NONE, 30s, 40s, 60s, 100s, and 300s);
Mode:	Tick to link sensors to scene;

4. Advanced

4.1. Advanced > Relay

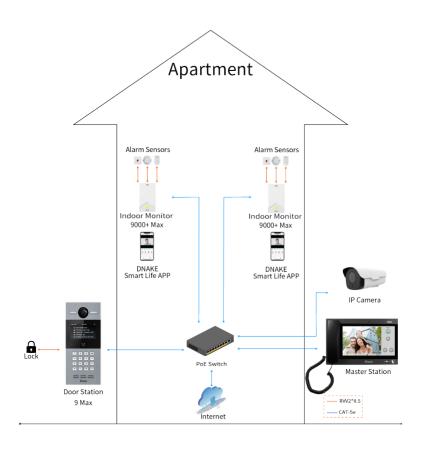
Relay column is for Local Relay and Door Relay.



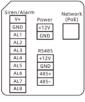
Unlock Button 1-3: Enable or disable relays for unlock buttons;

(Local HTTF bin/w = 2&u = E10 Note: • "19 Sta • The rela • "ad acc • "Pa • "E1 her enc pas DTM	1-3: 3 types of unlock way are optional al Relay/DTMF/HTTP) ——the format is http://192.168.3.119/cgi-ebapi.cgi?api=unlock&index sername=admin&password ADC3949BA59ABBE56E057F20F883E; 2.168.3.119" is the IP address of Door tion; e number "2" after "index=" is the number for by. (Relay 1 is 0; relay 2 is 1; relay 3 is 2); min" here should be changed to your adminount; ssword" is Password of admin; 0ADC3949BA59ABBE56E057F20F883E" e is MD5 (Message-Digest Algorithm) crypted. Users need to use account is sword to encrypt and change it. F——Dual-tone multi-frequency signaling, y1: #, Relay2:0, relay3: *;

SYSTEM DIAGRAM



DEVICE WIRING





Indoor Monitor

Handset(Optional)

1. Network (PoE)

Standard RJ45 interface used to connect to the Master Station, Indoor Monitor and/or other network equipment via a network switch.

PSE shall comply with IEEE 802.3at (PoE+) and its output power not less than 30W and its output voltage not be less than 50V.



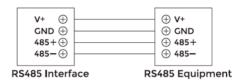
2. Power

The power interface of Indoor Monitor connects to 12V DC power.



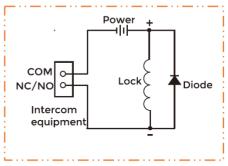
3. RS485

Enable to connect equipment with RS485 interface. RS485 interface can output 12V/100mA power supply. If RS485 equipment to be connected doesn't require the power supply, there is no need to connect to +12V.



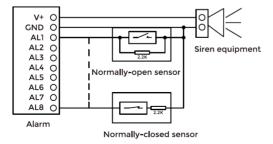
▲ Warning!

- 1. When connecting to an inductive load device such as a relay or electromagnetic lock, you are recommended to use a diode 1A/400V (included in the accessories) in antiparallel with the load device to absorb inductive load voltage peaks. The intercom will be better protected in this way.
- The load current of the relay cannot be greater than 2A.See attached picture for more details.

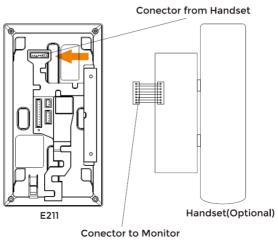


4. Siren/Alarm

Interface of alarm zones connects with normally-open or normally-closed switch. When the alarm zone is triggered, it will output 12V/100mA power.



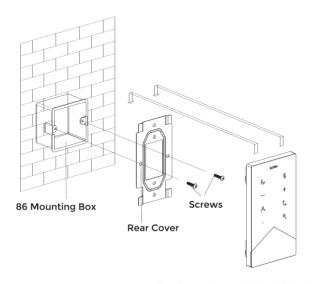
5. Handset Interface



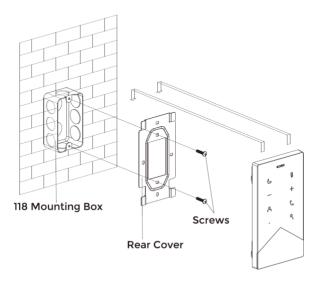


INSTALLATION

Surface Mounting-86 Mounting Box (E211/E211W)

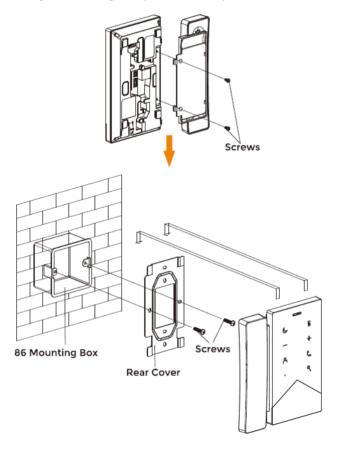


Product size: $100 \times 184 \times 25 \text{ mm}$ Surface Mounting size: $100 \times 184 \times 28 \text{ mm}$



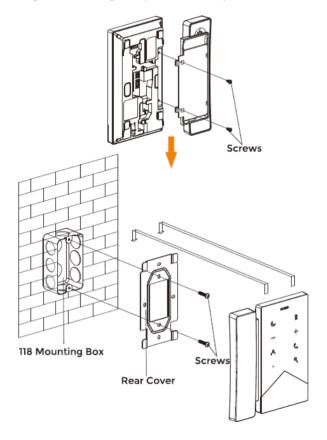
Product size: $100 \times 184 \times 25 \text{ mm}$ Surface Mounting size: $100 \times 184 \times 28 \text{ mm}$

Surface Mounting-86 Mounting Box (E211H/E211A)



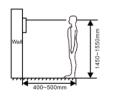
Product size: $100 \times 184 \times 25 \text{ mm}$ Surface Mounting size: $100 \times 184 \times 28 \text{ mm}$

Surface Mounting-118 Mounting Box (E211H/E211A)



Product size: $100 \times 184 \times 25 \text{ mm}$ Surface Mounting size: $100 \times 184 \times 28 \text{ mm}$

Tips:



The camera should be 1450~1550mm above the ground.

The camera at this height can capture human face perfectly.

TROUBLESHOOTING

The Indoor Monitor cannot start up or power off automatically.

• Check whether it has power-failure, and power it on again

The Indoor Monitor display screen is too dim.

Check whether the brightness and contrast settings of screen are correct.

No sound during the communication.

 Check whether the Indoor Monitor is set as mute mode, or the volume is set to the lowest

The Indoor Monitor cannot monitor the Door Station.

 Other user is using the system, so you can use it once he/she finished the operation.

Multimedia files cannot be played normally.

 Check whether the system supports the file format. Please refer to the multimedia setting for details.

No response when clicking Indoor Monitor display screen.

 Press "Unlock" button for 5s, or slowly slide horizontally or vertically on the LCD to make touchscreen calibration. It needs to be calibrated.

Touchscreen responses slowly or cannot make calibration.

- Take down any protective paster, since it may affect identification
- and input for device;
- Ensure the finger is dry and clean when clicking touchscreen;
- Restart the device to clear any temporary software error.

The temperature of device is too high.

 Long-term use leads to high temperature. It's normal and will not affect the device's use life and performance.

SAFETY INSTRUCTION

In order to protect you and others from harm or your device from damage, please read the following information before using the device.

- Do not install the device in the following places:
- Do not install the device in high-temperature and moist environment or the area close to magnetic field, such as the electric generator, transformer or magnet.
- Do not place the device near the heating products such as electric heater or the fluid container
- Do not place the device in the sun or near the heat source, which might cause discoloration or deformation of the device.
- Do not install the device in an unstable position to avoid the property losses or personal injury caused by the falling of device.

Guard against electric shock, fire and explosion:

- Do not use damaged power cord, plug or loose outlet.
- Do not touch the power cord with wet hand or unplug the power cord by pulling.
- Do not bend or damage the power cord.
- Do not touch the device with wet hand.
- Do not make the power supply slip or cause the impact.
- Do not use the power supply without the manufacturer's approval.
- Do not have the liquids such as water go into the device.

Clean Device Surface

 Clean the device surfaces with soft cloth dipped in some water, and then rub the surface with dry cloth.

Other Tips

- In order to prevent damage to the paint layer or the case, please do not expose the
 device to chemical products, such as the diluent, gasoline, alcohol, insect-resist agents,
 opacifying agent and insecticide.
- Do not knock on the device with hard objects.
- Do not press the screen surface. Overexertion might cause flopover or damage to the device.
- Please be careful when standing up from the area under the device.
- Do not disassemble, repair or modify the device at your own discretion.
- The arbitrary modification is not covered under warranty. When any repair required, please contact the customer service center.
- If there is abnormal sound, smell or fume in the device, please unplug the power cord immediately and contact the customer service center.
- When the device isn't used for a long time, the adaptor and memory card can be removed and placed in dry environment.
- When moving, please hand over the manual to new tenant for proper usage of the device

EASY & SMART INTERCOM SOLUTIONS

