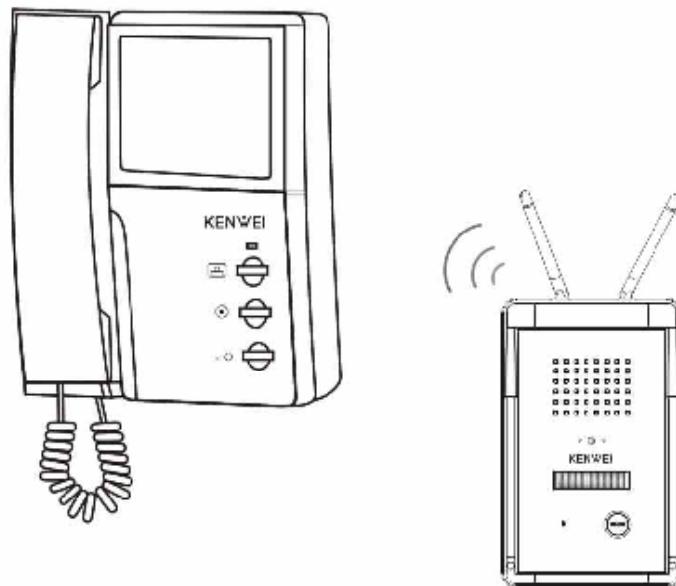


**KENWEI**

Top Way Technology

## **2.4G WIRELESS VIDEO DOOR PHONE---DUPLEX TYPE**

---- KW-V4HP Series User Manual



**Model:**  KW-V4HP  KW-V135T  
 KW-V4HPC  KW-V135T/C

## PRODUCT INTRODUCTION

Thanks for purchase of our new video security intercom system, please read these introductions carefully before installing your system and follow all of the directions to ensure proper installation and use.

Refer to the products you may query whenever from your dealer.

### GENERAL FEATURE:

- \* Microcomputer chip control.
- \* Easy installation, without wire
- \* With release function
- \* With surveillance function
- \* Channel convert freely, avoid disturbance
- \* Image memory function (optional)
- \* 256 groups code to open the unit
- \* Groups of "chord ring" for option



**CAUTION:** To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable part inside. Refer servicing to qualified service personnel.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

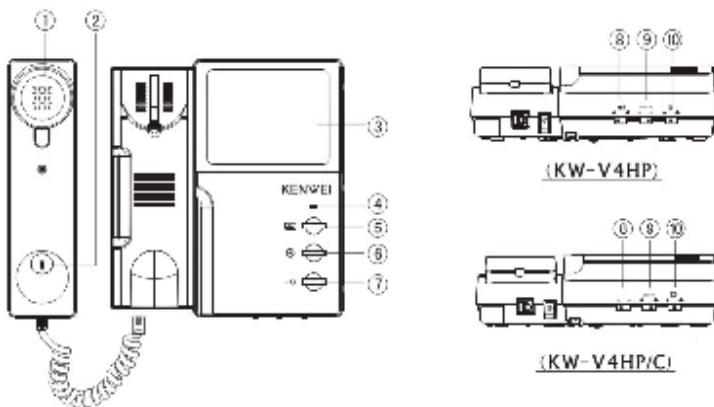


This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

\* KENWEI External design, features, functions and specifications can be changed without any prior, for promoting the quality of the products.

## FEATURES AND PARTS

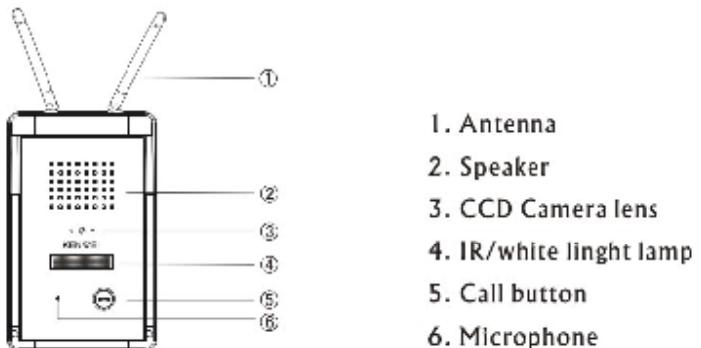
### KW-V4HP/C FEATURES AND PARTS:



1. Handset	5. Monitor Button	8. (KW-V4HP/C) Power switch (KW-V4HP) Volume control
2. Speaker	6. Channel Button	9. (KW-V4HP/C) Color Control/S/W (KW-V4HP) Power switch
3. CRT Screen	7. Door Release Button	10. Brightness Control S/W
4. Power LED	Optional chord ring button Code proof button	

REMARK: Behind the sign “/” is the different function of each button in different condition.

### KW-V135T/C FEATURES AND PARTS:



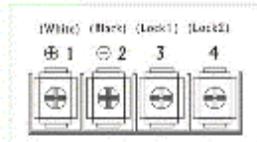
1. Antenna
2. Speaker
3. CCD Camera lens
4. IR/white light lamp
5. Call button
6. Microphone

# OPERATION

## THE USE METHOD FOR THE OUTDOOR CAMERA:

### 1. Power on:

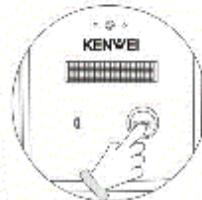
The outdoor camera use the outer power source , the output port of the adaptor's anode (white) and cathode (black) separately connect to the back pole of connection wire. (1: Anode 2: Cathode). Fix then connect the adaptor to the power source , the unit is on stand-by.



Port indication:  
Port 1 (white), port 2 (black) ---POWER (with polarity inquiry)  
Port 3, port 4 ---Release lock wire (without polarity inquiry)

### 2. Call the indoor monitor

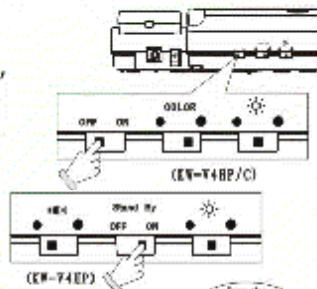
Press the call button in the outdoor camera, you can call the indoor monitor. You can hear the ringing from the indoor monitor when they connect. Waiting for the conversation with the indoor machine. If wait for 30 seconds and nobody answer, then it will be exit the calling status automatically.



## THE USE METHOD FOR INDOOR MONITOR:

### 1. Power on/off

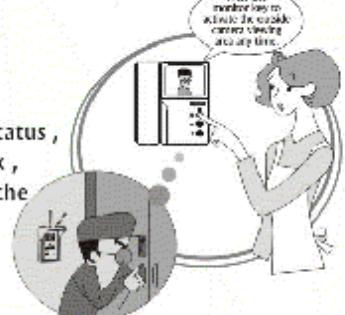
**Indoor machine ON/OFF:** Plug the power, turn the power source switch to ON position the power display light up, it indicates that the power has been connected, the unit is under stand-by, and you can begin to use it. Turn the power source to OFF position , the power display light off, it means the power LED turns off, the unit is OFF.



### 2. Monitor the outdoor status

#### A. Open the monitor:

When you want to monitor the outdoor status , press monitor button, then the monitor work , you can see the outdoor image, and take up the handset , you can hear the outdoor voice. When the power display is remaining light up , the unit is under monitor situation .

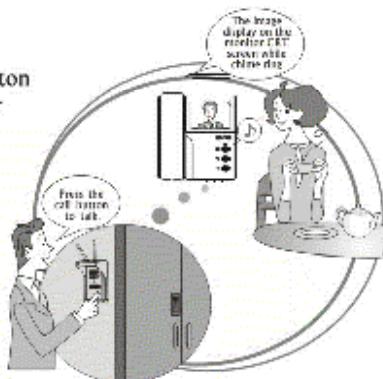
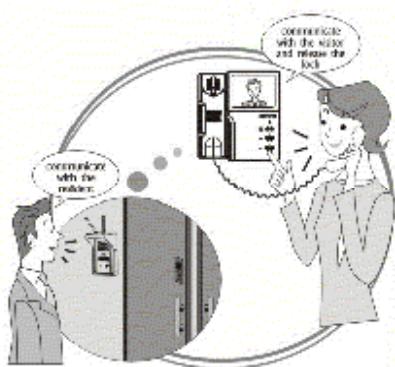


### B. Finish monitor:

If you want to finish monitor, please hang up the handset to finish monitor. Or wait for 30 seconds later, the indoor monitor will finish monitor automatically and become standby status ,Then the display screen off. If you still want to monitor, press monitor button again.

### 3. Call and answer:

1. The visitor presses the "Call" button on the outdoor camera, the indoor monitor will sound a "chime", and open the display screen automatically then display the visitor's image.



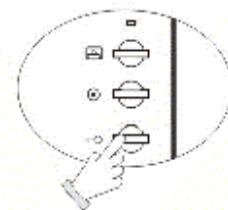
2. Communicate with the visitor with the handset. Press the "OPEN" button to release the door, if you want to let the visitor in. After the conversation, hang up the handset and it comes to standby status again.

#### 4. Release the door:

When the unit is under monitor or communication, press the release button to open the door. Press the release button over 3 seconds each time. **Attention:** You can use it only with the assorted electronic lock. When the unit is under standby, it is the "chord ring" choose .

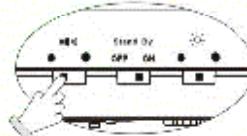
## 5. Chord ring select:

When the unit is under standby, press the "chord ring select" button to select ring, the ring is different each time. Press "Channel" button or "Monitor" button to reserve and exit.



#### 6. Ring volume adjust: (Only KW-V4HP)

Dial the "ring volume adjust" button to adjust the volume.

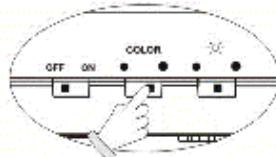


## 7. Brightness adjust: (KW-V4HP/KW-V4HP/C)

Dial the "Brightness Control S/W" to adjust the brightness.

## 8. Color adjust: (Only KW-V4HPC)

Dial the "Color Control S/W" to adjust the color



## 9. Change the channel:

When the unit is under monitor or communication, if the image is disturbed, you can press "Channel" button to change the channel, until it is not disturbed. We have 4 image channels for option. Attention: This function is invalid when the unit is under standby.

## 10. Proofread coding:

Press the call button on the outdoor camera and holding, press the proofread coding button on the indoor monitor and holding under the standby status at the same time. And the power LED flash twice, that means the proofread coding finish, then you can release the two sides button. If the proofread coding fail, you may repeat the above operations.



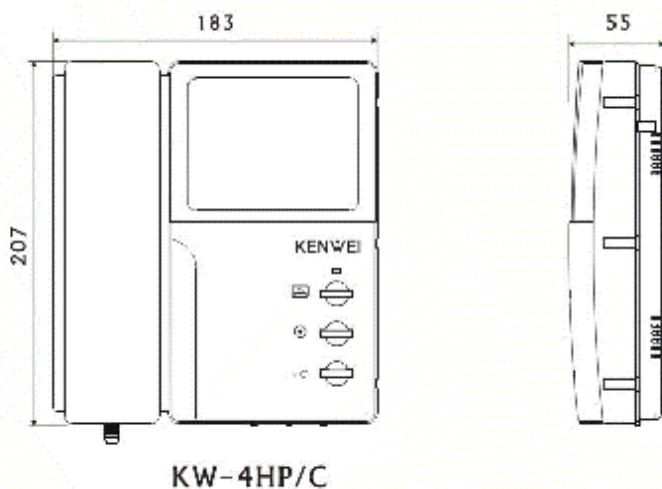
### Attention

Our models have been proofread coding already, you don't need proofread coding again. It only need proofread coding when the indoor and outdoor cannot call each other, or change / add the indoor and outdoor units. Proofread coding means offering a same ID code to the indoor and outdoor machine. Only the same ID code units can connect and avoid disturbance.

## KW-V4HP/C MEASURE AND INSTALLATION

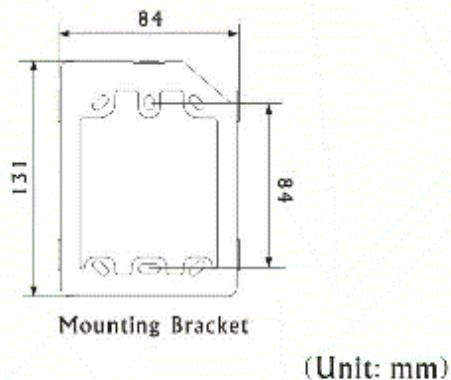
### PRODUCTION MEASURE

Production measure:



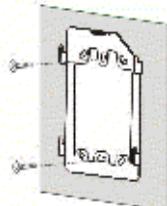
KW-4HP/C

Parts checklist:

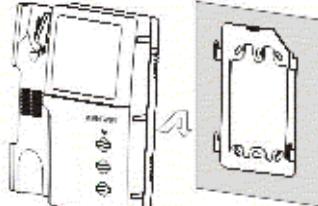


- Mounting screws: Ø4x25mm
- Unit fix screws: M3x8
- Dilatant Plug

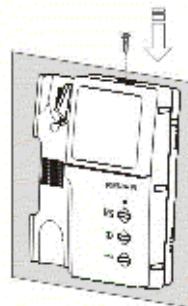
## INSTALLATION SKETCH MAP



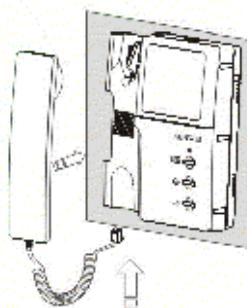
1. Attached the mounting bracket securely to the wall of 150-170cm location



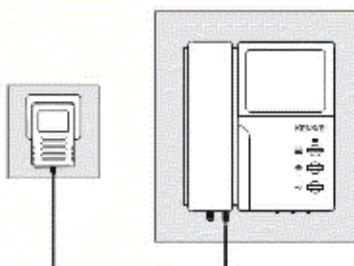
2. Attach the wired monitor unit to the wall mounting bracket by settling the monitor over the four bracket hooks and sliding it down.



3. Insert the tiny machine screw into the hole in the tab at the top of the bracket to hold the monitor in place.



4. Connect the handset cord to the monitor unit and place the handset into the cradle to complete the Installation.

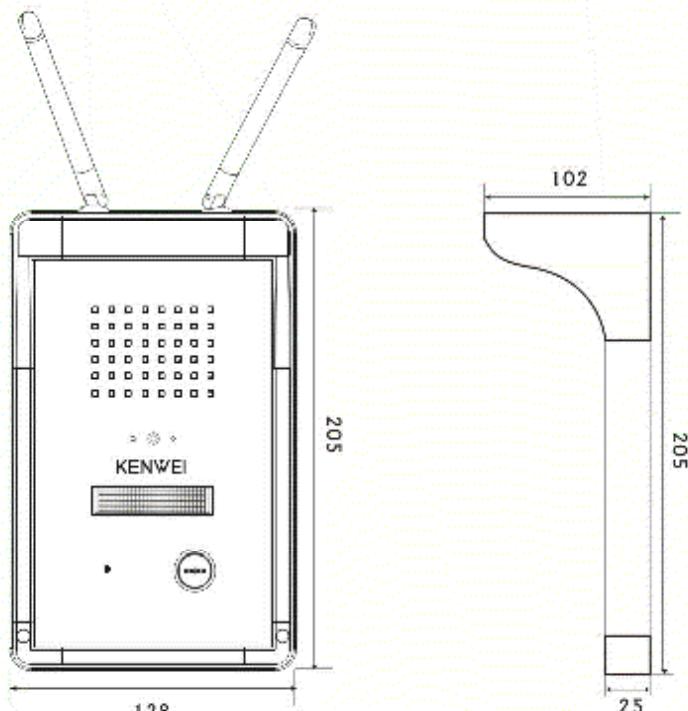


5. Connect the adaptor port with the indoor monitor's port, make sure the connection is correct, then the Installation finish.

## KW-V135T MEASURE AND INSTALLATION

### PRODUCTION MEASURE

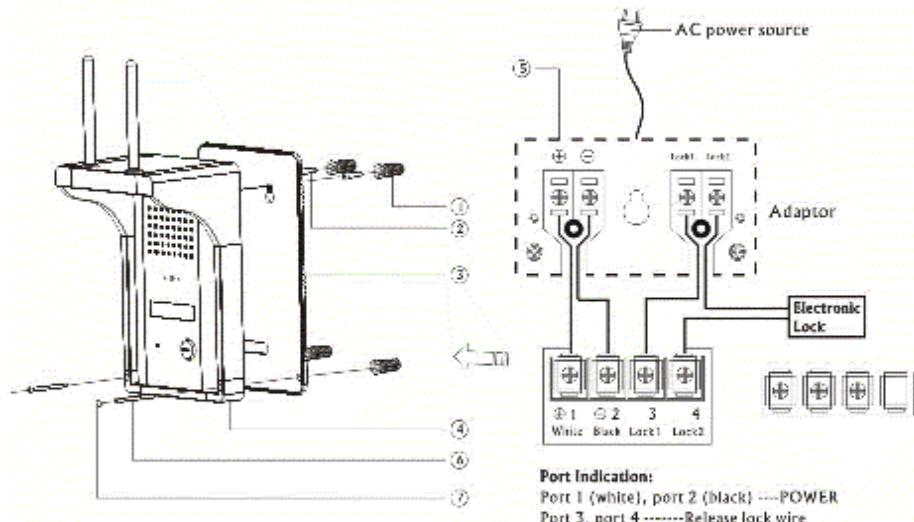
Production measure:



KW-V135T/C

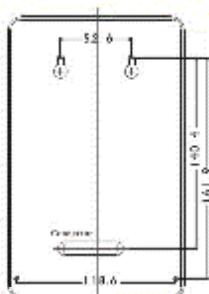
## PRODUCTION MEASURE

### KW-V135T/C

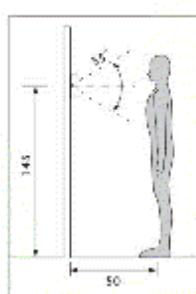


#### Installation direction:

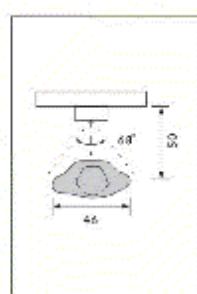
1. Drill 4 dilatant plugs to the mounting location.
2. Put the 2 screws (4\*25) to the dilatant plug like the above drawing show.
3. Cover the weatherproof cushion to the back of the unit.
4. Hang the main unit to the screws (4\*25).
5. To connect the release chord and power chord to the main unit.
6. Use the screw(3\*24) to thrill through the unit and thrill inside the dilatant plug.
7. Cover the ornament, then the whole installation finish.



Install hole



lens angle (vertical)



lens angle (horizontal)

## NOTE ON USE AND INSTALLATION

### 1. Do not aim the unit at the sun / rain:

Do not aim the unit at the sun or point it at the sun / rain even if you do not use it.

### 2. Do not shoot intense light:

Framing intense light such as a spotlight may cause bloom or smear. A vertical stripe may appear on the screen. However, this is not a malfunction.

### 3. Treat the unit with care:

Please do not disassemble the unit if you are not the professional maintenance man. Because it will damage the unit, and it can not work normally. Prevent the high voltage hazard that maybe cause the electronic shock.

### 4. Never touch internal parts:

Do not touch the internal parts of the camera other than that parts specified. Otherwise, the camera other than parts specified. Otherwise, the camera may malfunction.

### 5. Do not slash water on the unit:

Install the unit where the unit can be kept dry. If the unit gets wet, turn off the power and contact your dealer.

### 6. Install the unit where no audio noise sound:

If cables are wired near electric lightning wires or a TV set, noise may appear in images. In this event, relocate cables or reinstall equipment.

### 7. Check the ambient temperature and humidity:

Avoid using the camera where the temperature is hotter or colder than specified.

Otherwise, the quality of images may deteriorate or internal parts may be affected.

Special care is required to use the camera at high temperature and humidity.

### 8. Should you notice any trouble:

If any trouble occurs while you are using the camera, turn off the power and contact with your dealer. If you continue to use the camera when there is something wrong with it, the trouble may much worse and an unpredictable accident may occur.

## TROUBLE SHOOTING GUIDE

### 1. The outdoor camera cannot call the indoor, or the indoor cannot monitor the outdoor.

Possible Cause		How to resolve
1	The power haven't connected	Connect the power source
2	The distance is too far	Cut the distance, adjust the location of the unit and antenna
3	The password is wrong	Recode again according to the manual
4	The communication channel is wrong	Ask your dealer to reset the channel

**2. Cannot hear the other side's voice:**

Possible Cause	How to resolve
The distance is too far, and the signal is weak	Cut the distance, adjust the location of the unit and antenna

**3. The quality of image is bad:**

Possible Cause	How to resolve
1 The distance is too far, and the Signal is weak	Cut the distance, adjust the location of the unit and antenna
2 The unit is disturbed	Press the channel key to change the channel

**MAIN TECHNOLOGY PARAMETER**

**1. Technology parameter:**

ITEM	KW-V4HP/C	KW-V135/C
Operation voltage	DC13.5	DC12V
Operation current	≤900mA	≤450mA
Standby current	≤90mA	≤80mA
Image receiving sensitivity	-85dBm	/
Audio receiving sensitivity	-108dBm	-108dBm
Modulate way:	FM	FM
Image transmission power	/	≤10mW
Audio transmission power	≤1mW	≤1mW

## 2. Frequency list:

Audio Transmission			
Channel No	Transmission frequency of indoor monitor Mhz	Transmission frequency of outdoor camera Mhz	
1	925.25	902.75	
2	925.75	903.25	
3	926.00	903.50	
4	926.50	904.00	
5	926.75	904.25	
6	927.25	904.75	
7	926.25	903.75	
Image Transmission			
1	2.414GHZ	2	2.432GHZ
3	2.450GHZ	4	2.468GHZ

## ACCESSORY LIST

KW-V4HP	Quantity	KW-V4MT	Quantity	KW-V135T	Quantity
User Manual	1	User Manual	1	User Manual	1
Pass Card	1	Pass Card	1	Pass Card	1
Main Unit	1	Main Unit	1	Main Unit	1
Handset	1	Handset	1	Rubber Underlay	1
Adaptor	1	Adaptor	1	Adaptor	1
Bracket	1	Bracket	1	Weatherproof Bush Stopper	2
2-Pin Connector	1	/	/	/	/
Mounting Screws	2	Mounting Screws	2	Mounting Screws (Long)	2
Screw	1	Screw	1	Mounting Screws (Short)	2
Dilacant Plug	2	Dilacant Plug	2	Dilatant Plug	4

## **Federal Communications Commission Requirements**

**Warning: 'CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE WITH THE FCC'S RULES(THE FCC' GRANTEE') COULD VOID THE THE USER'S AUER'S AUTHORITY TO OPERATE THE EQUIPMENT'.**

This device complies with Parts 15 of the FCC Rules, Operation is subject to the following two conditions:(1)This device may not cause harmful interference.(2)This device must accept any interference received.including interference that may cause undesired operation.

**Top Way Communication Technology Co.,LTD.**  
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