

User's Manual

2.4GHz Wireless
Remote Control Camera Kit
Model: 601LD

2.4GHz Wireless Camera BT601
2.4GHz Wireless Receiver LR255



Please read this manual carefully and thoroughly before any attempt to install and operate this product and retain it for your future reference.

This device complies with Part 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

EU 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.



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INTRODUCTION

Thank you for your interest and support in our product and purchasing this wireless camera kit. This product works at ISM-2.4GHz frequency band, which could be legally used worldwide without permission. We feel confident that you will be pleased with the quality and features of this product.

The camera features one CMOS image sensor and a transmitting module to capture the image and transmit them wirelessly.

The receiver features a receiving module to receive and output AV signals.

Notice

Notice: This product may cause interferences with other wireless equipment that operates at 2.4GHz ISM band. Please turn off one of the equipments to eliminate the interference.

Product Assurance: This camera will emit electromagnetic wave, just like other wireless products. But its transmitting power is less than other wireless products such as mobile phones. The 2.4GHz wireless camera meets wireless frequency security standards and recommended indexes while working. These standards and indexes are certificated by academic organization and represent the cogitative research of the scientific workers who continuously explore and annotate the involved fields. So we believe that our products are safe for customers.

Approval Information

All our products meet the requirements of approval FCC or CE, and are granted the FCC or CE certification. They are authorized to bear FCC or CE mark.

FCC

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 communications. 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 the equipment off and on, 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 the 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.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
 - (2) this device must accept any interference received, including interference that may cause undesired operation
- Changes and modification not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commissions rules.

CE

This product complies with standards including **Low Voltage Device Directive 73/23/EEC**; **EMC Directive 89/336/EEC** and **R&TTE Directive 1999/5/EC**. It passed the subject tests by the authority concerned and is authorized to bear **CE** mark.

Restrictions

1. DO NOT use this product to violate one's privacy. Monitoring one's activities without consent is illegal and this product is not designed and manufactured for such purpose;
2. DO NOT put this product near any medical equipment. Radio waves might potentially cause breakdown of electrical medical equipment. So this product should be placed at least 1 feet away from any heart pacemaker. Radio waves might potentially influence heart pacemaker and lead to respiratory disturbance;
3. DO NOT use this product for any illegal activities. We shall not be responsible for any consequences of illegal acts committed by the user.

Maintenance

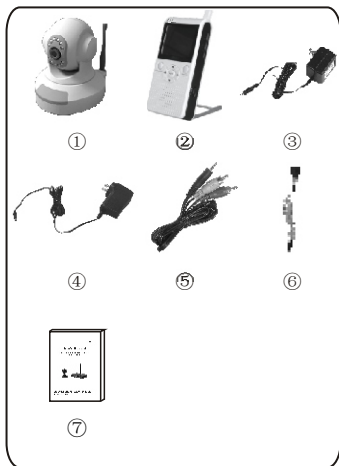
1. Ensure the sufficient ventilation space is available;
2. Do not shake or strike the product;
3. Keep it dry and dustless and avoid exposing it to direct sunlight;
4. Do not place product near any magnetic objects;
5. Avoid putting the product in places where the constantly changed temperature or humidity occurs;
6. Keep product away from heat sources such as electric heater;
7. Do not use the camera near aggressive chemicals;
8. Do not use this camera near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool and the like;
9. Do not use the camera in the places which are enclosed by metal. The surrounding metal like lifter, cabin, may shield the electromagnetic wave, and result in failure of signal reception;
10. Please obey the local government's environment protection policy;
11. Please turn off the power when left unused;
12. Do not disassemble or repair the camera or receiver; doing so might cause damages to the product.

PRODUCT

Package Contents

This package comes with the following items. Please check whether they are all included in the packaging box, if one or some is missing, contact the retailer for replacement.

- ① 2.4GHz wireless camera × 1
- ② 2.4GHz wireless receiver × 1
- ③ Adapter for camera × 1
- ④ Adapter for receiver × 1
- ⑤ AV cable × 1
- ⑥ Earphone × 1
- ⑦ User's manual × 1



Note:

The picture may vary from the actual objects.

Adapter

This product always conforms to the authenticated AC adapter. The adapter should be marked one of the following:



UL Mark

American power
supply authentication



SAA Mark

Australia power
supply authentication



CE Mark

European Union power
supply authentication



PSE Mark

Japan power
supply authentication



GS Mark

German power
supply authentication



CCC Mark

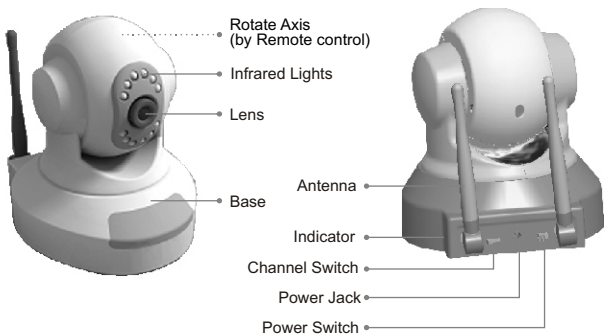
China power
supply authentication

Note:

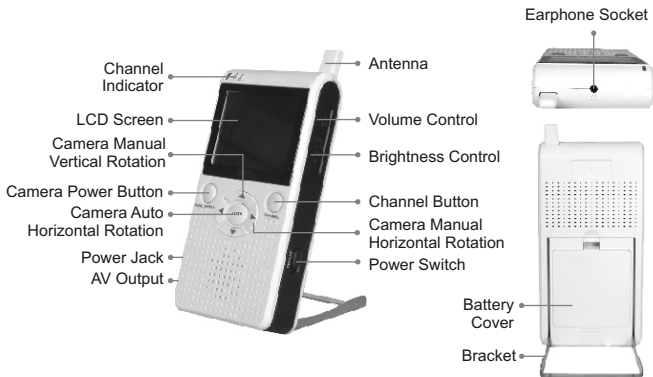
When using the power adapter, make sure the rating voltage on it is compatible with that of the device to avoid potential damages resulting from incorrect usage of power supply.

FEATURE

1. Camera



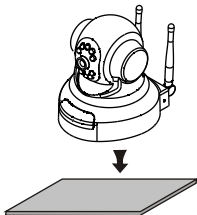
2. Receiver



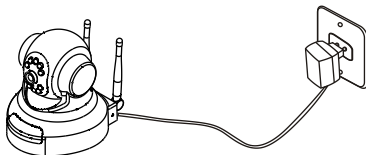
INSTALLATION & USAGE

Installation

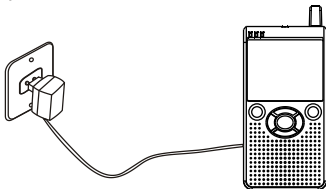
1. Locate the camera to a specific position.



2. Connect the camera to the adapter (DC 9V 1.5A) and then slide the power switch to **ON** position. The power indicator lights up.



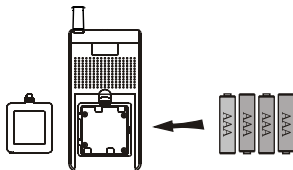
3. Connect the receiver to the adapter (DC 9V 1.5A) and slide the power switch to **ON** position.



Notes:

- This receiver can also work on dry battery. Please load 4 AAA batteries to the battery compartment with their polarities matched.

- The AC adapter will work instead of batteries after it is plugged. If the receiver is left unused for a long time, please unplug the adapter and remove the batteries.

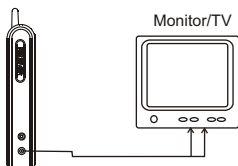


4. Set the channel of receiver same as that of camera by pressing the channel button continuously, and the pictures are displayed on the LCD screen.

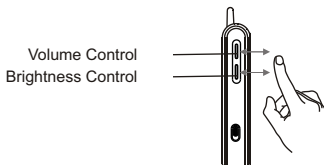


Note:

For more clear pictures, please connect the receiver to a monitor/TV with AV cable.



5. Adjust the brightness and volume of the receiver to a satisfied level.

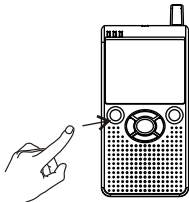


Receiver Remote Control Function

The receiver can remote control the power and direction of the camera. The operation is as below.

Remotely control the camera's power

Press the **CAM. ON/OFF** button on the receiver to power on the camera; press the button again to power off.



Note:

- If the channel indicator **CH1** on the receiver lights up, the camera at channel 1 can be remote controlled.

Remotely control the camera's direction

1. Press the **AUTO** button on the receiver to activate the camera's auto horizontal rotation function. Press again to disable the function.
2. Press the ◀ / ▶ button on the receiver to rotate the camera at horizontal direction manually. The max. angle is 180 degree.
3. Press the ▲ / ▼ button on the receiver to rotate the camera at vertical direction manually. The max. angle is 60 degree.

Channel Looping Setup

The receiver supports up to 3 cameras working at the same time. You could press and hold the **CHANNEL** button on the receiver for 2 seconds to enable the automatic looping function. The channels are shown on the monitor/TV one by one every 5 seconds.

Press the **CHANNEL** button on the receiver again to exit the looping function.

You can press the **CHANNEL** button to manually select the channel.



SPECIFICATIONS

CAMERA	Imaging Sensor	CMOS
	CMOS Total Pixels	628 × 582(PAL); 510 × 492(NTSC)
	View Angle	62°
	Minimum Illumination	0Lux
	Transmission Frequency	ISM 2,400MHz~2,483MHz
	Transmission Power	10mW/CE; 2mW/FCC
	Modulation Type	FM
	Bandwidth	18MHz
	Power Supply	+9V _{DC}
	Consumption Current	600mA & 700mA(IR ON)
	Horizontal Rotating Angle	180°
	Vertical Rotating Angle	60°
	Unobstructed Effective Range	100m
	Night Vision Range	5m
	Dimensions(W × D × H)	104 × 110 × 124(mm)
RECEIVER	Weight	260g
	LCD	2.5" TFT
	LCD Resolution	480 × 234
	Receiving Frequency	ISM 2,400MHz~2,483MHz
	Intermediate Frequency	480MHz
	Demodulation Type	FM
	Receiving Sensitivity	≤ -85dBm
	Power Supply	+9V _{DC}
	Consumption Current	300mA
	Dimensions(W × D × H)	68 × 149 × 26(mm) (Excluding Antenna)
	Weight	170g
	Operating Temperature	0°C~+50°C/+32°F~+122°F
	Storage Temperature	-20°C~+80°C/-4°F~+176°F
	Operating Humidity	85%RH

*Channel Frequency: CH1=2,414MHz; CH2=2,432MHz; CH3=2,468MHz.

*Actual transmission range may vary according to weather, location, interference and building construction.

*All the specifications are subject to minor change without prior notice.

TROUBLESHOOTING

When you experience the operation problems, please check and try the following yourself before claiming that it is the defective product or consulting the experienced technician.

Trouble		Possible Solution
 No image	 No sound	1. Check the power supply. 2. Make sure that both the camera and receiver are connected with power adapter.
 Snowflake Image	 Noisy sound	1. Check the receiver channel setting to make sure that the channel is set to match the camera. 2. Make sure that the receiver is within certain distance to the camera. 3. Move the receiver in another nearby position for a better reception.
 Shaded picture	 Normal sound	1. Make sure that the receiver is within certain distance to the camera and there is block between the receiver and the camera 2. Move the receiver in another nearby position for a better reception.
 No color	 Normal sound	Mismatching system of TV (monitor) and cameras.
 Normal image	 Noisy sound	Interfered with other devices nearby; Remove or turn off such devices.

