



C425U 2.4G WIRELESS PIR CAMERA KIT

Installation and Operating Manual

INTRODUCTION

The 2.4G Wireless Camera is designed to provide safety, security, convenience to your home and business. At home, it sees and hears baby's room, garage, or any other room from somewhere else in the house. In business, it monitors entry/exit ways, reception area, storage-rooms, warehouses from one central location. It is so user-friendly that you can complete the installation in a few minutes.

The components included in the 2.4G Wireless Camera Kit:

- 1 x Camera Unit build in 2.4G transmitter
- 1 x A/V Receiver Unit build in 2.4G receiver
- 1 x 9V 500mA AC adapter (for PIR Camera unit)
- 1 x 12V 500mA AC adapter (for Receiver unit)
- 6-foot SCART to RCA (European) or RCA to RCA (USA) cable
- Fixing and Owner's manual

CAUTION

- Do not attempt to open the sealed camera case: as this will destroy its weather resistance properties and void the system's warranty.
- Disconnect the system. Always disconnect the system from your mains power supply during installation.
- Keep a light source during nighttime. The camera cannot work in total darkness. Please bear in mind the camera's viewing area must be illuminated with a suitable light source.
- Avoid the camera pointing directly at a light source. When installing the camera outdoor, you should ensure that the camera lens will not become dusty easily, and the camera does not point directly at a light source (e.g. direct lighting, or sun light) (Fig. 1), as the picture quality will be impaired. Additionally, the camera must be positioned so that it will not point directly into the sun (sunrise or sunset) or any bright light, as this may cause damage to the camera. The best viewing angle is achieved at greater heights (e.g. 2.5 to 3m) with the camera pointing down. Also, avoid viewing areas where half the area is in bright sunlight and the other half is dark. (Fig. 2)

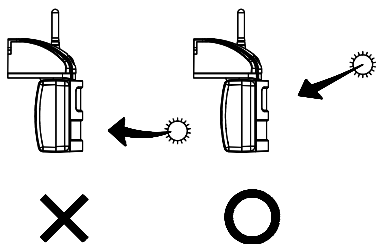
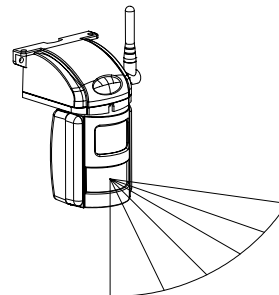


Fig. 1



Fig. 2

- Test before you mounting your camera permanently. It is recommended that before mounting your camera permanently, you temporarily connect your system to your television or monitor. You can then test your system and determine the best position for your camera.
- Do not over tighten the camera. Your camera is fully adjustable both horizontally and vertically via a ball and socket joint, which is secured with a tension screw. The tension screw can be locked into position using the Allen key supplied once your installation is complete. Do not over tighten as this may stop you from loosening the screw to make any slight adjustment in the future. Retain the Allen key for future use.
- Detecting sensitivity: A passive infrared sensor operates by detecting the objective movement and heat. When the temperature of the moving object and its surrounding area are close in value, it may reduce PIR's sensitivity. The motion detector's infrared beams radiate outward like the slat of a wooden fence. Prior to mounting, keep in mind that the motion sensor is more sensitive to the motion that crosses these "slat", and less sensitive to the motion that moves directly towards the sensor.



- Your camera has been designed to prevent condensation when installed outside or in damp conditions. For this to work correctly the camera should be left connected to the mains power supply and switched on permanently.

INSTALLATION

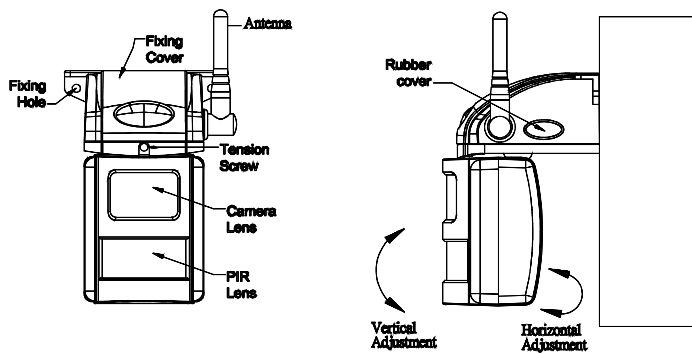
Step 1: Install the PIR camera:

Having tested your camera and being familiar with the temporary test set, you can assess the best location for the camera. Ideally you will need one person to hold the

camera and another person to look at your television when adjusting the position.

You can mount the camera on the wall or ceiling according to your need.

- Connect the 9VDC 500mA power adapter with the PIR camera.
- Use the fixing template provided to mark the position of the two fixing holes (on the wall or on the ceiling.) Drill two 4mm-diameter holes at the marked locations, fully insert the plastic wall plugs supplied, then thread a supplied screw into each plug, letting the heads extend about 5 mm from the wall.



- Take off the rubber cover on the right side of the camera bracket.
- Adjust the Channel Switch knob on the right side of the camera bracket to set up a channel (channel 1,2,3,4). And remember which channel you selected.
- Put the rubber cover back to the right side of the camera bracket.

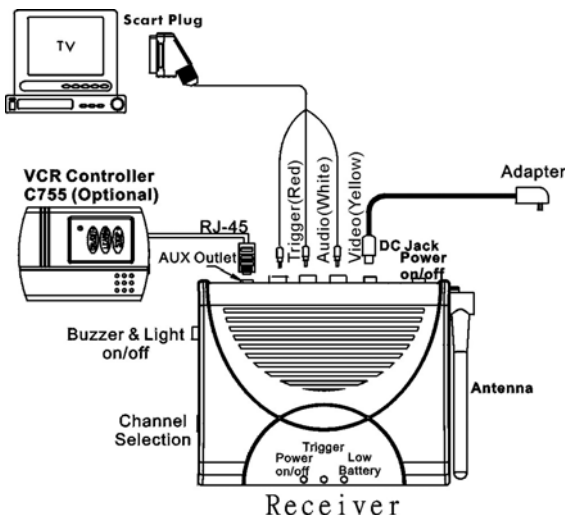
Step 2: Install the Receiver Unit

(Two versions available: European and American)

European Version

To connect Receiver to your TV:

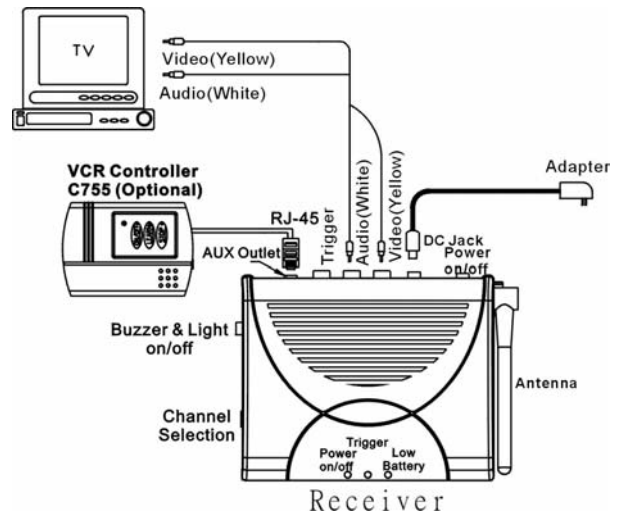
- Plug the 1M Scart connector cable that package included into your TV.
- Plug the other end, yellow (video), white (audio) and red (trigger) RCA connectors into the corresponding RCA connectors on the Receiver.



American Version

To connect Receiver to your TV:

- Plug the yellow (video) and white (audio) RCA connectors into TV socket.
- Plug the yellow (video) and white (audio) RCA connectors into the corresponding RCA connectors on the Receiver.



Step 3: Install option accessory VCR Controller

By adding the optional VCR Controller (C755) in **AUX** outlet of the Receiver will enable the system to automatically record the images and voices when Camera detects movement. The VCR Controller will automatically switch your VCR on to Record for one minute and stop recording. If re-triggered, resume the same step accordingly. (Please refer to C755 manual for installation and operation.)

OPERATING INSTRUCTION

- Buzzer/Light ON/OFF SW: Select "Buzzer/Light SW" at "ON". When the PIR Camera is triggered, the Receiver sounds "Beep" twice in response and the Trigger LED will flash for 1 minute, subject to channel not being switched.
Note: Buzzer can be turned off by setting "Buzzer/Light Sw" at the middle position. When the PIR Camera is triggered, the Receiver will be mute and the Trigger LED will flash for 1 minute, subject to channel not being switched.
- Connect the Receiver with DC12V power adapter and set the Receiver in the same channel as that of PIR Camera.
Note: When turning on the power on the Receiver, it will respond with one "Beep" and the Power on/off LED will illuminate steadily.
- Connect the PIR Camera with the 9V power adapter and turn on the TV. The Camera images can be viewed right from the TV. The PIR Camera requires about 1 minute as warming up duration after connecting to the power adapter. During this duration, the PIR Camera will ignore any trigger that may happen. After the elapse of 1 minute, the PIR Camera will start detecting.
- When the PIR Camera is triggered:
4-1 Not switching the channel:
When triggered, the signal of Camera image will shut down for a while and the Trigger LED on the Receiver will flash and beep twice, activating the VCR Controller for recording for one minute. After the elapse of one minute, the VCR Controller will stop recording.

4-2 Switching the channel:

When triggered, switch the channel knob instantly. The PIR Camera will have a 10 seconds delay before the channel is shifted.

Note: When triggered, if you switch the channel knob after 5 seconds, then you need to wait for 5 seconds before shifting to other channel.

TROUBLESHOOTING

Status	Possible Cause	Remedy
1. The Receiver does not work	a. Poor connection b. Power on/off SW not turned on c. Buzzer/Light SW not set in right position	a. Check all connections are secure. b. Turn on power on/off SW c. Refer to the following: ON: When triggered, buzzer sounds two beeps and trigger LED flash Buzzer off: When triggered, buzzer is silent and trigger LED flash Off: When triggered, completely off
2. No image/sound	a. Different channel b. Incorrect connection between A/V connector and TV	a. Set the same channel b. Plug A/V connector into matching outlet
3. The Receiver not triggered	a. The Receiver's Buzzer/Light SW at "OFF" b. Different channel	a. Set the Receiver's Buzzer/Light SW at "ON" or Buzzer Off b. Set the same channel
4. VCR Controller (option) cannot record automatically	a. Poor connection b. Improper operation	a. Check all connections are secure b. Refer to the VCR Controller operating manual

SPECIFICATIONS

Model	CC425 (Transmitter)
Camera Type	Color
TV System	PAL/NTSC
Resolution (TV lines)	250
Pixel Array (H x V)	PAL: 628 x 582 NTSC: 510 x 492
Auto Exposure	Up to 1/15000 sec.
Lens	f=6.0mm F=2.0
Lens Angle	46°, Diagonal
Sensitivity	<5 Lux @F 2.0
Camera Angle	90° horizontally 45° downward
Microphone	Built-in
Transmitting Frequency	2400-2483 MHz (for 4 channels)
Channel Switch	4 positions for 1~4 selection
PIR Detection Distance/Angle	6m/100° (under 28°C)
Power Adaptor (American) (European)	AC120V/DC9V, 500mA AC230V/DC9V, 500mA
Receiver	CA117
Operating Frequency	2400-2483 MHz (for 4 channels)
Channel Switch	4 positions for 1~4 selection
Buzzer & Light Switch	3 positions for buzzer & light on / buzzer off / off
Power Switch	2 positions for power on/off
Triggered Buzzer & Light function	Built-in
Power Adaptor	12VDC, 500mA
Connector	1 x RJ-45 for VCR Controller 1 x DC Jack for Power 3 x RCA Jack for triggered (red), audio (white), video (yellow)

FCC CAUTION

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.