

## SPECIFICATIONS

### Receiver

Operating voltage	12V dc
Current consumption	200mA
Reception frequency	2.41GHz - 2.47GHz (3 channels)
Weatherproofing	IP30 (indoor use only)
Operating temperature	+2° to 35°C
Dimensions	140 x 200 x 210mm

### General

Approvals	CE directive 93/68/EEC EMC directive 98/336/EEC Low voltage directive 73/23/EEC
Package size	35 x 130 x 175mm
Package weight	0.4Kg

## ACCESSORIES

CA240 B&W Camera / Transmitter

CA250 Colour Camera / Transmitter

CA500B B&W Camera / Transmitter

CA500 Colour Camera / Transmitter

CRP240 / BAT500 Rechargeable Battery Pack

CT220 VCR Controller

CT230 Time & Date Generator

CTR210 TV Modulator



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\*Helpline calls cost 60p/minute. Open 9am to 5pm, Mon to Fri.  
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# INSTALLATION & USER INSTRUCTIONS

## CRS200

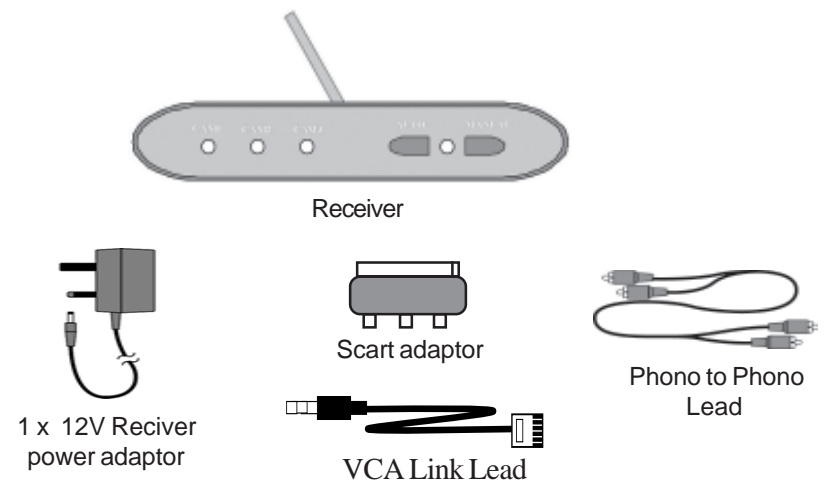
### Wireless Receiver

## PRODUCT FEATURES

- Compatible with CA240, CA250, CA500, CA500B CTR210, CT220, CT230
- 2.4GHz wireless technology
- Plug 'n' Play
- Transmits sound and Video from camera to TV
- High quality audio and video components for long life
- Supports up to 3 cameras
- Auto switching between cameras
- Alarm output for triggering CT220 VCR Controller

## PACKAGE CONTENTS

Please check and identify all the parts before proceeding with the installation.



## SAFETY FIRST

Please read these instructions before attempting to operate the product.

**WARNING:** To prevent fire or shock hazard, do not expose the Receiver / Power Supplies to rain or moisture.

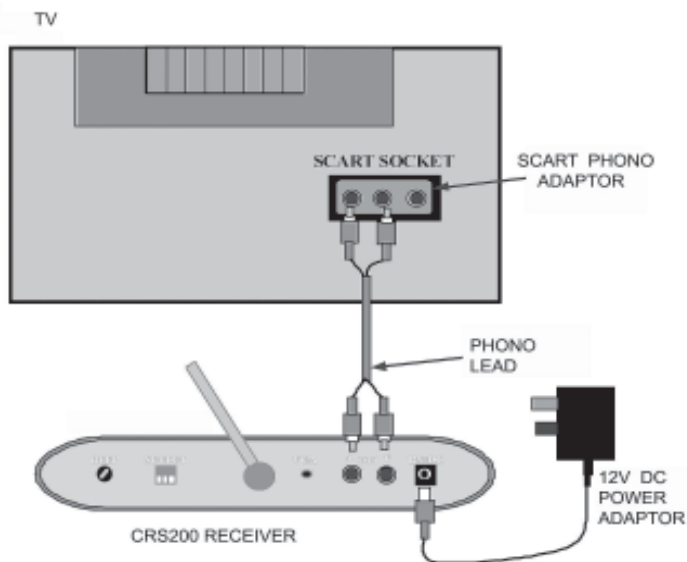
**CAUTION: RISK OF ELECTRIC SHOCK:** Do not remove the cover from the power supply. There are no user serviceable parts inside. Refer servicing to qualified service personnel.

## CONNECTING RECEIVER

Unpack the Receiver.

Please follow one of the relevant connection methods;

### CONNECTION METHOD 1 CONNECTING TO A TV



The Receiver connection is now complete.

NO TUNING is required, simply select the AV channel on your TV to view the camera picture. If you are not sure how to select the AV channel on your TV you will need to look up selecting the AV channel in your TV installation instructions.

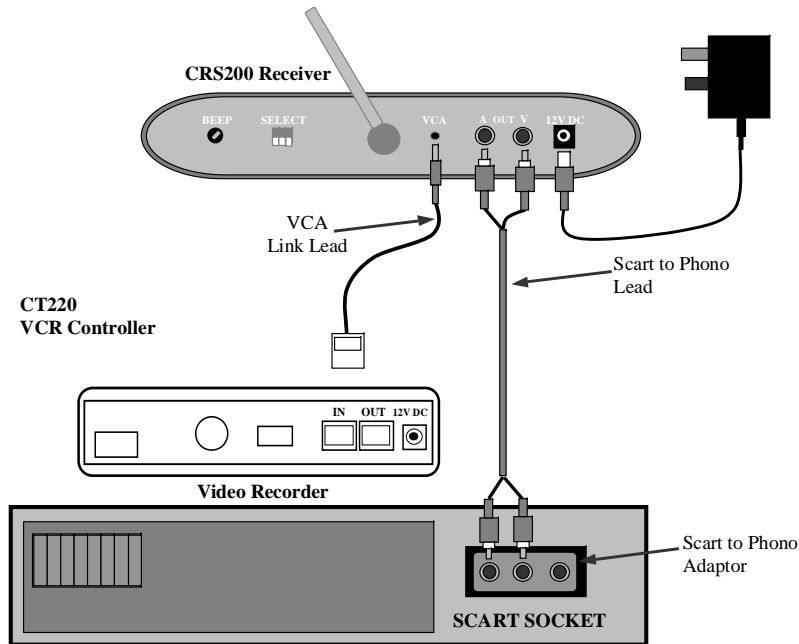
## TROUBLESHOOTING

If you are having trouble operating this product, please consult the guide below. If you still encounter problems then please contact the Voltek helpline on 09066 191 133\*

SYMPTOM	REMEDY
No camera picture	<ol style="list-style-type: none"> <li>1. Check all connectors and check that the power is switched on to your receiver and to the camera/transmitter.</li> <li>2. Ensure the camera and receiver are set to the correct channel refer to page 5 for more details.</li> <li>3. Check the transmitter/camera is within range of the receiver.</li> <li>4. Check camera is switched on and the red power on LED is lit on the camera.</li> </ol>
Blank Picture	<ol style="list-style-type: none"> <li>1. Check the receiver is switched on,</li> <li>2. Check the power adaptor is plugged in and turned on at the Mains outlet.</li> <li>3. Check that the TV or VCR is on the correct AV Channel.</li> </ol>
Interference on the camera picture	<ol style="list-style-type: none"> <li>1. Check that each transmitter and receiver is within range and that no large obstructions are blocking the signal,</li> <li>2. Try repositioning the camera/transmitter or the receiver to improve the reception quality.</li> <li>3. If a transmitter is positioned close to the receiver, point the antenna away from the receiver.</li> <li>4. Check the lead has been unbundled</li> <li>5. Check that the lead is not running along side any other cables.</li> <li>6. Check if there is any other equipment transmitting on the 2.4GHz frequency nearby.</li> </ol>
Poor picture at night.	<ol style="list-style-type: none"> <li>1. Check that you have a light illuminating the area. (Street lights may not be adequate)</li> <li>2. Check the camera is not pointing at a light.</li> </ol>
Audio problems	<ol style="list-style-type: none"> <li>1. Ensure the volume is turned up sufficiently on the TV.</li> <li>2. Make sure the sound is within the microphone range.</li> <li>3. If the unit emits a loud wailing sound try moving the camera away from the TV.</li> </ol>

## CONNECTING A CT220 VCR Controller

You can connect a VCR and a CT220 VCR Controller to the CRS200 receiver allowing you to record the camera picture in the event of an alarm. Connect the AV cables and CT220 VCR Controller (Not supplied) as shown below.

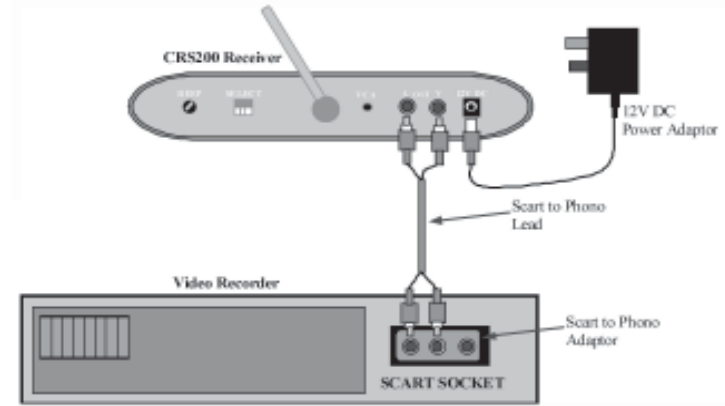


## WARRANTY

This product has a twelve month manufacturers parts and labour warranty. In the unlikely event that you encounter a problem with this product, please telephone the Voltek helpline on 09066 191 133\*. Should the problem not be able to be resolved over the telephone it should be returned to the place of purchase or direct to Voltek

\*Helpline calls cost 60p/minute. Open 9am to 5pm, Mon to Fri.

## CONNECTION METHOD 2 CONNECTING TO A VCR



The Receiver connection is now complete.

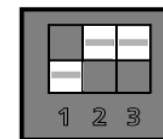
NO TUNING is required, simply select the Video Channel on your TV and the AV channel on your VCR to view the camera picture. If your not sure how to select the AV channel on your VCR you will need to look up selecting the AV channel in your VCR installation instructions.

## SETTING THE DIP SWITCHES

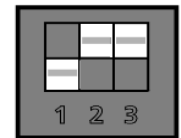
When you receive the receiver, the DIP switch on the rear will have one channel set in the down position. This represents Channel 1, enabling you to use the system with one camera. Refer to page 6 of the instructions for location of the DIP switch. The white part in the diagram represents the switch.

### USING ONE CAMERA

Receiver  
DIP switches



Camera  
DIP switches

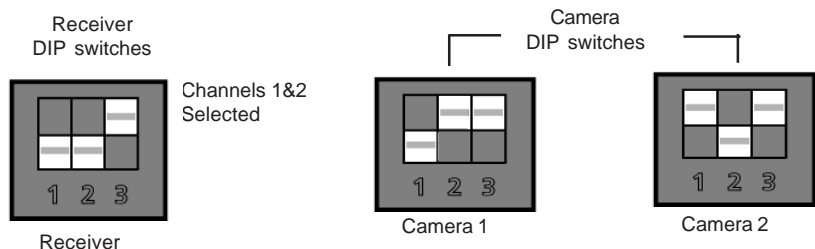


The switch is in the ON position when it is in the down position

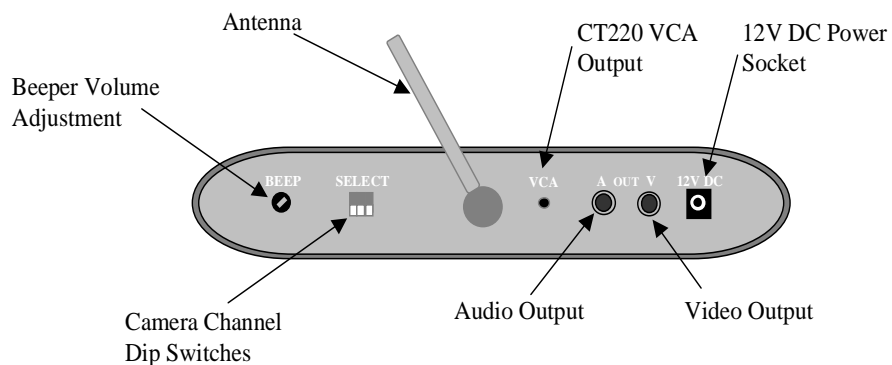
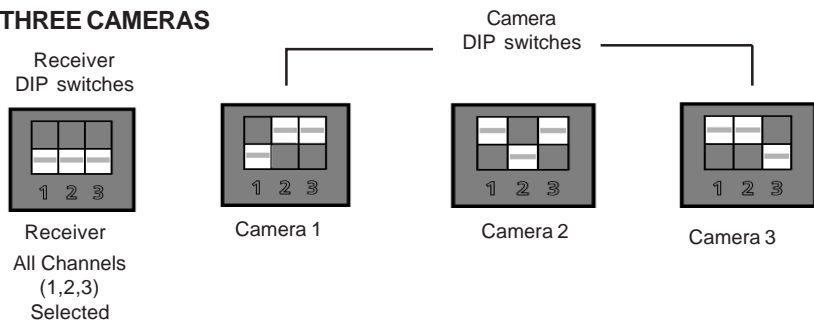
If adding additional cameras to your system you will need to change the DIP switch to reflect the number of cameras being used.

### USING TWO CAMERAS

To use two cameras, two channels need to be selected on the DIP switch. The first two channels switches should be in the down position.



### USING THREE CAMERAS



### USING THE CRS200 VIDEO SYSTEM

The 2.4GHz video signals pass easily through your homes interior walls, but the signal maybe reflected by power wires or plumbing inside the wall. Usually a slight adjustment of Receiver and / or Camera / Transmitter antenna will improve reception. Take care not to force the antennas past their lock positions.

The most common source of interference are microwave ovens. Try to avoid mounting the Receiver near a microwave oven or other source of RF interference such as cordless phones.

### Motion detecting cameras

Each camera has a PIR motion sensor. When a camera detects motion an alarm beeper will sound on the receiver and the receiver will output a signal to trigger a CT220 VCR controller if installed. The volume control for the beeper and the VCA output (CT220 VCR Controller connection socket) is on the rear of the receiver. Additionally a red light will flash on the camera.

### Adding Additional Cameras

You can have up to 3 cameras on your system. To add a camera you will need to order a CA240, CA250, CA500, CA500B- Wireless Camera Accessory (Includes Wireless Camera, Power Adapter and Fixing Kit). The CRP240 Rechargeable Battery Pack is available for use with the CA240/CA250 Wireless Camera. The CRP240 is NOT weatherproof and can only be used indoors. See Page10 for accessories.

### Manual Mode

In "Manual Mode" individual cameras may be selected. Pressing the button marked manual on the diagram below will select "Manual" and the LED indicator will turn red.

### Auto Mode

To select Auto mode press the "Auto" button marked on the diagram below and the LED indicator will turn to green. The receiver will then switch automatically between the available cameras. When a camera detects motion the Receiver will display the picture from the camera for a few seconds, and the beeper will sound.

### Dwell Time Setting (Time taken to switch between cameras)

To alter the dwell time press both of the buttons on the front of the unit simultaneously. Each flash of the LED increases the dwell time by one second. The dwell time is preset to 4 seconds, but can be adjusted between 2 to 30 seconds.

