

Instruction Manual

1. Please read the manual thoroughly before using the system for the first time, and follow all fixing step by step as the installation instruction.
2. Retain this manual for your future reference.

Precaution!

- Before operate the unit for the first time or operate the unit in a new area, it is essential to select the connect input voltage corresponds with the local power supply system.
- Operate the unit only with the supplied AC adaptor.
- Unplug the AC adaptor from the wall outlet when it is not to be used for an extended period of time.
- Do not install the unit in a location near heat sources such as radiators or air ducts, or, in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Do not use alcohol, benzine or thinner to clean the cabinet.

System Introduction

The UDC AVS1831M is a RF wireless CCTV surveillance system for domestic watching and also commercial monitor applications. Use either A/V monitor or existing domestic TV set with A/V inputs as a high efficiency monitor to watch your environments or front door.

The transmitter is consisted by a color CCD camera (or BMW CCD camera) and a built-in RF wireless transmission circuit, which converts the video & audio signal into RF signal and transmit to the receiver (even through walls) located in a remote location without running wires.

The receiver converts the RF signal into video and audio signals and presents it on the monitor screen & speaker. The receiver can accept signal from up to 4 cameras (This system only includes one camera, others can be purchased individually as option) featuring auto channel scan with variable dwell time and manual channel selection.

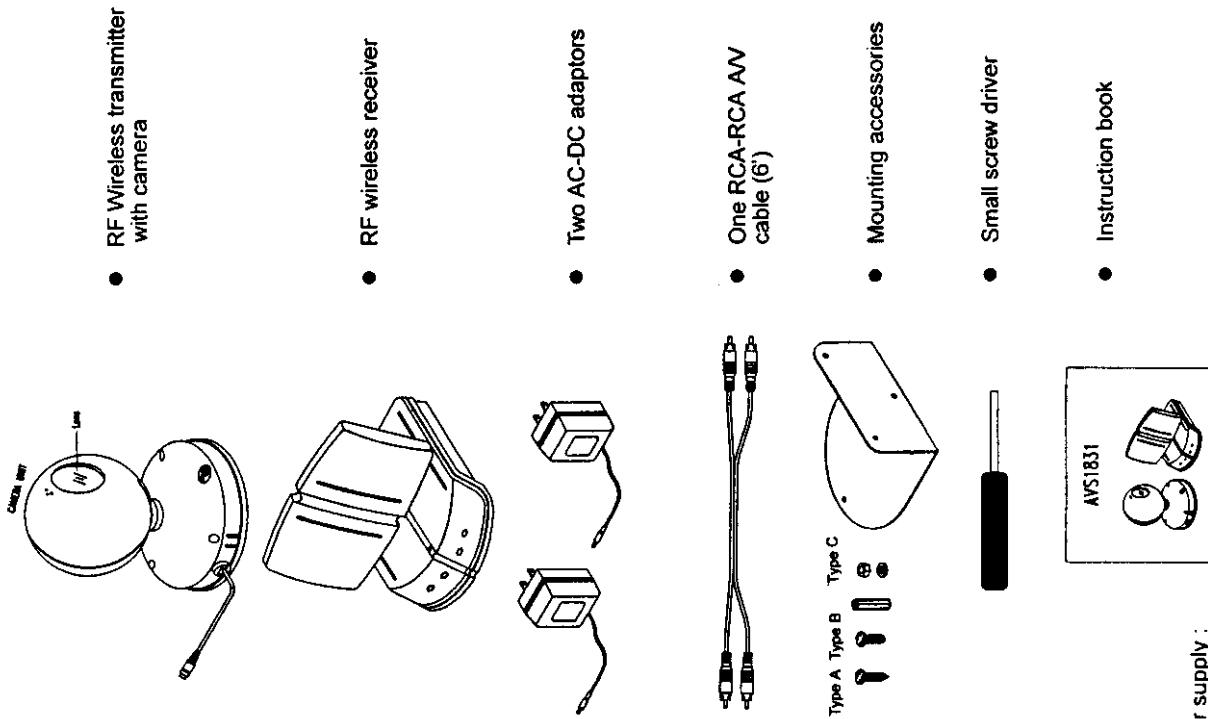
The camera housing assembly is so designed to provide 100% weatherproof. It is a purposely built system for out-door installation, the camera head assembly can be swiveled and angled to meet individual requirements for best viewing results.

Refer to the 'set up instruction' & 'How to use this surveillance system' section before permanently fixing your camera unit. It is advisable to temporarily make all the necessary connections and view the camera picture, before fixing the camera unit in position. This will enable you to find the most suitable position for your camera unit.

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

I. Unpack :

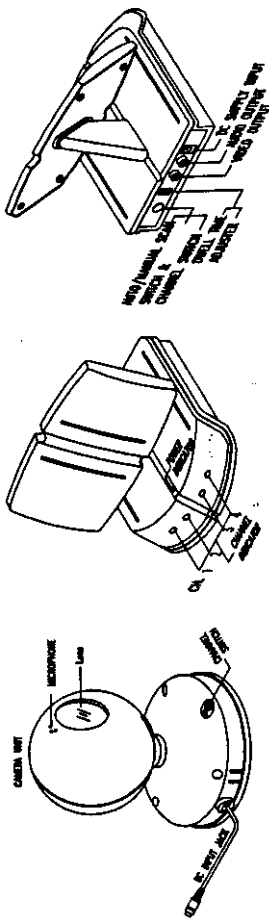
The following items should be included in your set.



Power supply :

- 1) Transmitter with camera : AC-DC-adaptor
- 2) Receiver : AC-DC adaptor

II. Controls

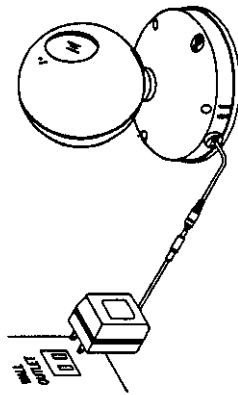


III. Set up instruction :

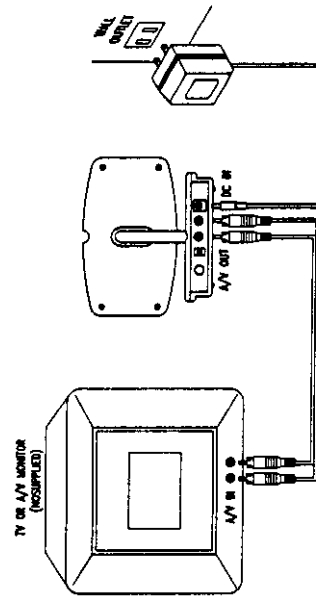
3.1 Connecting one transmitter with one receiver only

Steps:

- 3.1.1 Connect the AC-DC adaptor (15V 400mA) female plug into the DC input jack of the transmitter, then plug into an AC mains supply nearby.



- 3.1.2 Connect the AC-DC adaptor (15V 400mA) female plug into the DC supply input jack of the receiver, then plug into an AC mains supply nearby.

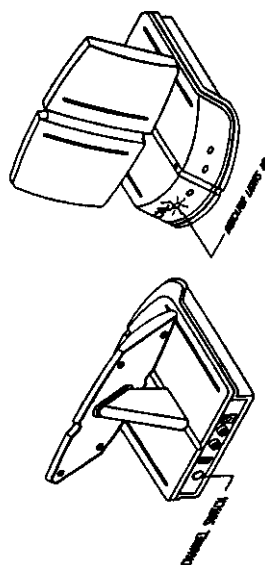


3.1.3 Use the provided AV cable to link up receiver's AV output to your TV or monitor's AV input, take care to match the audio & video terminals between monitor & receiver.

3.1.4 Select the transmitting and receiving channel

The transmitter's ex-factory channel is pre-set at channel 1, use 'Channel Switch' of receiver to select the receiving channel to channel 1 (match with the transmitter), push 'Channel Switch'; once (<1 second) will skip to next channel, keep on pushing 'Channel Switch' until CH1 indicator on the front panel lights up (to switch to other channel, refer to 3.2.2).

3.1.5 Turn your Monitor or TV on and switch your TV to AV channel (if TV is used), the built-in camera & microphone of transmitter allows you to see as well as hear anything that is going into your observation area.



3.1.6 Adjust the housing of camera horizontally (160° max.) and vertically (40° max.) to find the best viewing angle.

If you find the picture is poor & interfered, you may need to change the channel setting of the transmitter, refer 3.2.2 for channel setting. Please take care the channel setting of transmitter & receiver must be matched.

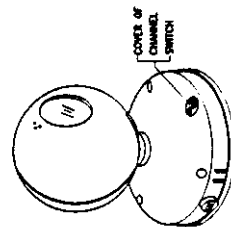
3.2 Connect 2 ~ 4 camera transmitters with one receiver (More camera transmitter can be purchased individually from your dealer).

Steps:

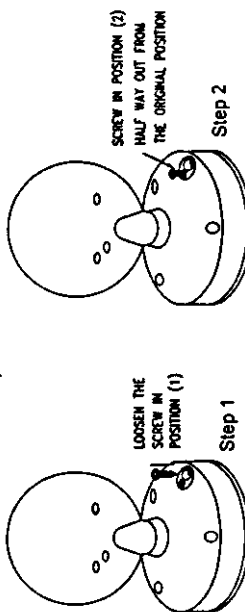
3.2.1 Connect all the camera transmitters to the power supply as described in 3.1.1.

3.2.2 Multi camera transmitter using same receiver must be set in different transmitting channel. Follow below procedures to set the channel for individual transmitter.

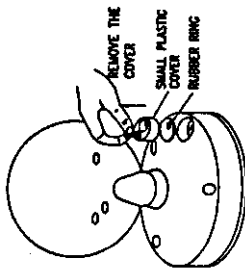
Step1) Open the cover of the channel switch



- 1) Fully loosen the screw as shown in position (1) by using a cross head screw driver.
- 2) Loosen the screw in position (2) until it is half way out from the original position (Note: do not completely loosen the screw).

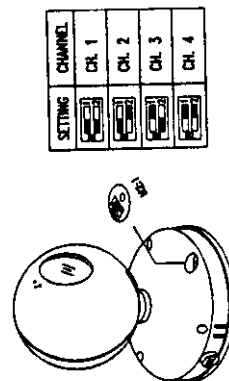


- 3) Hold the screw in position(2) by hand and pull the small plastic cover out from the cabinet.
- 4) Take off the rubbing ring.



Step 3 & 4

Step 2) After open the cover, you can locate a two pin dip switch, this is the channel switch. Follow below table to set the transmitting channel.(Use provided small screw driver for your setting)



Before replace the cover of channel switch, you should proceed following procedures to check the camera picture on your TV monitor screen from all cameras and confirm all cameras work properly. Try to speech to the microphone, and hear the sound from the speaker of TV/monitor.

Please note : If you hear a loud howling noise, it is

because the camera is in the same room with the television. The camera's microphone causes feedback. To avoid this, turn your TV volume down temporary.

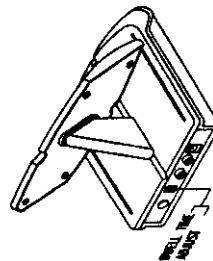
3.2.3 Connect the receiver as shown in 3.1.2, sequentially switch the channel 1,2,3 & 4 by pushing the channel switch at the backside of receiver. Try to view the picture on the TV screen from the cameras, speak to the microphone and hear the sound from the speaker.

Change to Auto Scan mode

3.2.4 Push down the CH. Switch for over 2 sec., the receiver will change to Auto Scan mode. The pictures shown on the TV monitor screen will auto scan cyclically from camera 1 to camera 4, and the LED channel indicator lights up correspondingly.

Set the dwell time for Auto Scan mode

3.2.5 Change the setting of 2 pins dip switch located at the backside of receiver refer following table to set the dwell time of Auto Scan cycle for your preference of watching (use the provided small screw driver for your setting)



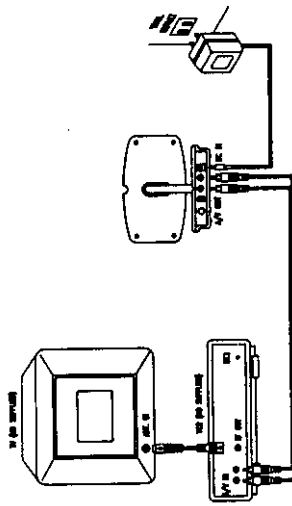
SETTING	1	2	3	4
DWELL TIME	755C	355C	455C	655C

To resume manual switch mode, push CH. Switch down for over 2 second.

3.2.6 your system is now ready to operate, replace all the covers of channel switch for your camera transmitter.

3.3 Connect the receiver to a TV monitor & VCR (pictures can also be recorded via the VCR if set up as following)

3.3.1 Connect the receiver as shown following:



3.3.2 Connect the AC-DC adaptor to any AC mains outlet nearby.

IV. Locating & Installation

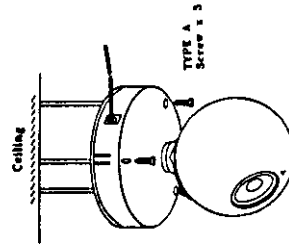
Locating the camera :

1. If you are installing the camera adjacent to your front door, bear in mind not to position it too far away as you will not be able to hear any speech or sound
2. The best viewing angle is achieved at greater height with the camera pointing down and not point directly into the sun or any bright light.
3. The camera unit should provided a view of the most vulnerable entry points to your home.
4. The camera unit should be mounted in a position which minimizes the possibility to either attack or obscure the camera unit's view, before you could be made aware of the intruder.

Installation :

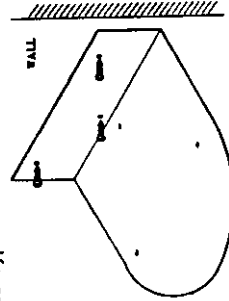
Mounting on ceiling

Use 3 pcs Type A screws to mount the camera unit on ceiling

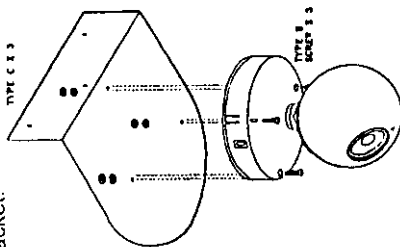


Mounting on wall (as alternative mounting method)

Step 1 : Use 3 pcs Type A screws to mount the fixing bracket on the wall



Step 2 : Use 3 pcs Type B screws and Type C nuts and washers to mount the camera unit on the bracket.



After the above steps, the camera unit is now firmly mounted on the ceiling on wall. Try to locate a convenient AC mains outlet nearby for power supply of the camera transmitter.

Connect the system as shown in 'Set up instruction'.

V. How to use this surveillance system

5.1 One transmitter with one receiver

- 5.1.1 Switch on your TV or monitor
- 5.1.2 Switch your TV to AV channel (if use TV as monitor), using the AV button on the remote control unit.
- 5.1.3 The camera will present pictures on your TV screen, and you will see whatever your camera sees on your TV screen.
- 5.1.4 Try to speech to the camera microphone, if the sound is low, try to increase the volume of TV.
- 5.1.5 If you find the picture is poor & there is interference, try to move the direction of receiver to get a best receiving result or change to another channel.

5.2 Two to four transmitter with one receiver

- 5.2.1 Switch on your TV or monitor
- 5.2.2 Switch your TV to AV channel (if use TV as monitor) using the AV button on the remote control unit.
- 5.2.3 Select auto scan mode or manual channel selection mode by pushing down the 'Channel switch' for over 2 sec.. The switch will switch between the Auto Scan mode & Manual mode.
- 5.2.4 Select the dwell time in Auto Scan mode as described in 3.2.5 for your preference.
- 5.2.5 If you find the picture is poor & there is interference, try to move the direction of receiver to get a best receiving result.

5.3 If you have connected the receiver to a TV and VCR

- 5.3.1 Switch on your TV and VCR
- 5.3.2 Switch your TV to AV channel if VCR is connected to 'AV inputs' of TV, or video channel if VCR is connected to 'Antenna input' of TV.
- 5.3.3 Turn VCR to AV channel, the pictures from the camera transmitter will be presented on the TV screen.
- 5.3.4 To record the pictures, insert a video tape into the VCR and press the Record button of VCR.