



SALES INFORMATION & SPECIFICATIONS

# Ross Associates

Date:2/03  
Restrictions:None

**Video  
Microwave  
Receiver Kit  
with Encoder**

## Video Microwave Receiver/Recorder Kit with Encoder MODEL # KSR-3550/E2

**NEW  
IMPROVED**



**\$7,495**

### Features:

- 12 Vdc Operation
- Multichannel Receiver
- Direct Control of Camera & PTZ
- Microwave or Direct Viewing & Recording
- Direct Camera Input
- Digital/Hi-8 Recorder
- 5.8" TFT LCD Monitor
- Water Proof Pelican Case
- Direct Frequency Readout



### Specifications:

<b>Receiver:</b>	GMS MR
<b>Freq. Range:</b>	1.7 -2.5 Ghz
<b>Recorder:</b>	Sony D200
<b>Monitor:</b>	6.4" LCD TFT
<b>Power:</b>	12 Vdc @1.25 Amps
<b>Size:</b>	18.5" x 15 x 7"
<b>Weight:</b>	14.5 Lbs
<b>Audio:</b>	2 Audio Channels
<b>Channels:</b>	1 to 1000 Channels
<b>Encoder:</b>	KSE-202 DTMF
<b>Control Transmitter:</b>	1.5 Watt VHF or UHF

**Options:** Rechargeable Battery  
Video Motion Selector

### Description:

This new Video microwave receiver/recorder was designed to offer a small video receiver/recorder package with all the power of the large units.

The new digital/Hi-8 recorder has a built-in date time generator for accurate recording. The high resolution of the recording exceeds 450 lines with digital zoom. The microwave receiver is fully tunable over the entire Police band. Federal frequencies are also available including the 5.7Ghz band.

The built-in audio amplifier and speaker allows monitoring the audio in either of the 2 sub carrier frequencies.

A built in DTMF encoder that controls the pan & tilt, zoom, focus, iris and transmitter on/off. The unit now has a built in 1.5 watt VHF or UHF programmable transmitter.

Our standard direct video and audio input for local monitoring of a camera and microphone is available on the left side of the kit. Antenna and DC inputs are on the side of the case.

Visit our web site [www.covert-systems.com](http://www.covert-systems.com)

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# Operation of the KSR-3550 Series

## Ordering Information

Before the receiver kit is ordered, the frequency range and the audio sub-carriers must be stated. Our new optional battery pack should be available which will operate the unit for 3 to 4 hours and adding only 7 oz.

## Microwave Receiver

The microwave is programmed to the frequencies when the order was placed. The MR receiver may be programmed over a wide range of frequencies. Any two audio sub-carriers are also available with the unit. The frequency read out is accomplished with a LCD read out as well as signal strength.

## Color Monitor

The new LCD monitor has an on/off switch on the front of the unit. To turn it on, just press the on/off button. Please take care when lowering the LCD monitor as to not to hit the face of the monitor. The monitor can be easily damaged. The LCD monitor has a built in speaker and is controlled by the volume control buttons on the front of the monitor. the main menu will adjust all of the settings besides PAL or NTSC operation.

## Battery Operation Option

The built-in battery option is a 7AH 12Vdc battery. Under normal operations the battery should last about 6 to 8 hours. To charge the battery, just plug in the special battery charger in the jack on the rear of the unit. This back jack serves as an input to the unit to power it under DC or AC operations. See the two different power sources. Watch for our new light weight battery.

## Basic Operation:

- 1) Plug in the AV or DC power sources. The unit operates on 12Vdc at about 1 amp. Once you have plugged in the power source, turn on the unit with the power switch on the far right hand side. Turn on the monitor and slide on/off switch on the Sony recorder to the on position. **NOTE:** the monitor will not show any pictures if the recorder is not turned on.
- 2) To monitor a camera in the Direct Operation of the unit, Switch the **Direct/Microwave** switch to the direct position. Plug in the camera to the Camera Input connector (RCA) and you should see a picture on the monitor. A **12Vdc Camera Power** connector (5.5/2.1 mm) is supplies to help you check out cameras in the field and record your findings.
- 3) To monitor a video microwave signal, just switch the **Direct/Microwave** switch to the Microwave position. Select the desired channel or frequency of the transmitter that you want to monitor. Wait for the phase lock loop circuit to lock on to your signal. The field strength meter should show an upward deflection and you should see the video signal picture on the monitor.
- 4) To record the image, just hit the record buttons on the face of the recorder.
- 5) The audio subcarriers are switched with the Audio1/Audio2 switch and are heard on the monitor speaker.

## Remote Record Option

This is our latest Sony recorder option. Just plug in this unit in to the data port of the recorder and attach a standard switch to the unit and when closed, the recorder will wake up and start recording. The unit will have to be up plugged to continue operating the Sony recorder in other operations. A great device for body worn operations.



**Model KSR-3550 Receiver Kit**



**Front Panel Inputs and Controls**



**HI8/Digital Recorder**



**MR Video Microwave Receiver**