



RM-808

Audio/Video Receiver for TV

UHF channels and 900 MHz



This receiver is a compact small module excellent for experiments or video surveillance. It is broadband from **403 MHz – 918 MHz**. This is not a simple broadband scanner; this receiver is a real PLL design with automatic switching bands that includes 900 MHz TV band with 12 selectable channels. You can access any TV channel in UHF range and some UHF cable tv channels. Rotary switches are located on the bottom of the box. Power supply is 7.5 V – 14.4 V max. Current consumption is very low - only 180 mA. This receiver is excellent for any undercover operation since it is extremely sensitive. For longer range you can use better antenna or antenna with gain. Power supply is 12 V center positive.

FEATURES:

- BATTERY OPERATED 9 V- 12 V
- STANDARD POWER PLUG 2.1 mm
- CURRENT CONSUMPTION 280 mA
- EASY HOOK-UP
- SMALLEST SIZE 4.7" X 1.0" X 3.0"
- EXCELLENT SENSITIVITY
- F - TYPE ANTENNA CONNECTOR
- HIGH-QUALITY PICTURE
- NTSC TV SYSTEMS
- VIDEO SIGNAL OUTPUT 1 V, 75 ohm
- PLL CONTROLLED
- IF FILTER 38.9 MHz
- FREQUENCY RANGE CH 14 - CH 69 UHF (471 MHz - 801 MHz)
- 900 MHz TV BAND IN 12 CHANNELS (MOST COMMON FREQUENCIES)
- CABLE TV CHANNELS
- AUDIO OUTPUT 300 mV

EXAMPLE FOR CHANNEL 57 UHF: TENS TURN TO 5, ONES TURN TO 7
EXAMPLE FOR CHANNEL 59 CABLE: TENS TURN TO 7, ONES TURN TO 9

TECHNICAL DESCRIPTION:

This is a perfect solution for any professional Steadicam user! This smallest receiver can pick-up any TV channel in UHF AIR BAND from **CH 14 UHF TO CH 69 UHF** or even Cable channels 54 – 65, also famous CH 59 cable video transmitters and **900 MHz amateur TV band as well**. The unit is professional, with direct video output to any monitor and excellent color quality picture. It is very easy to use and change the channel with 2 rotary switches. Required power supply is 9 V- 12 V DC/ 150 mA. The size of this unit is: 4.7" X 1.0" X 3.0". It is excellent receiver for any video transmitter from **430 MHz- 920MHz**.

SPECIFICATIONS:

RF:

- Input Frequency: 430 MHz-918 MHz,
Off air channels 14-69
CATV channels 54 – 65 (403 MH-469 MHz)
900 MHz band – 12 selectable channels
- Sensitivity: **-96 dBm**
- Noise Figure: **UHF: 10dB**
- Image Rejection: **UHF: 50dB**
- Input Impedance: 50 Ohms.

AUDIO:

- Output Level: 300 mV rms nominal
- Output Impedance: Less than 500 Ohms,
unbalanced.

VIDEO:

- Output Level: **1.0Vp-p**, NTSC
standard negative sync.
- Output Impedance: **75 Ohms**.
- Differential Gain: Less than 5%.
- Differential Phase: Less than 5 degrees
- L/C Delay: ± 50 nSec maximum

GENERAL:

- DC Power Input: +9 V - 12 VDC @ 180 mA,
- Temperature: 0° C to +50° C.
- Dimensions: **2.7" X 0,95" X 2.9"**
 - Weight: 60 grams

900 MHz FREQUENCY CHANNEL LIST:

CH 1.	892 MHz
CH 2.	898 MHz
CH 3.	900 MHz
CH 4.	902 MHz
CH 5.	903 MHz
CH 6.	906 MHz
CH 7.	908 MHz
CH 8.	910 MHz
CH 9.	912 MHz
CH 10.	915 MHz
CH 11.	916.650 MHz (in use)
CH 12.	918 MHz

**NOTE: THIS IS AN AM RECEIVER FOR NEGATIVE AMPLITUDE MODULATION (TV BROADCAST)
NOT FOR USE FOR FM VIDEO TRANSMITTERS**