



## 2400VH 2.4 GHz 1W FM ATV Transmitter



The 2400VH is an imported 1 Watt FM ATV transmitter manufactured by COP. Only licensed Radio Amateurs may legally use this transmitter in the USA and for legal applications per 47CFR97 of the FCC Rules. This transmitter can also drive the Downeast Microwave 1315PA 15 watt amplifier if more power is desired. Output power is 1 (typ. 1.3W) Watts in the 2390 to 2450 MHz Amateur band on one of 4 switch selected channels.

Ch	Frequency	Use
1	2398 MHz	Simplex
2	2417 MHz	Links
3	2430 MHz	Simplex
4	2442 MHz	Repeater

Always confirm that a resonant 50 ohm antenna is connected before turning on the power to the transmitter. High reflected RF power can destroy the unit.

DC power requirement is 12Vdc at 600 mA. You can either use the 12Vdc 1A wall plug power supply included or from a regulated 12 to 13.8 Vdc power supply or battery. The 12V power supply has a 2.1x5.5 mm jack. For other power sources, you will need to solder a mating power plug to a cable of sufficient length to reach an external power supply.

The transmitter needs free air circulation around it for continuous operation or it could be damaged. The 2400VH can be mounted at the antenna if suitably protected from moisture and at the same time allow adequate heat dissipation.

A camcorder or LB-1000 Color camera can be plugged into the Video and line Audio jacks. Video input is the standard 1 Volt peak to peak into 75 ohms to give 4 MHz deviation. Line audio input should be .5 to 2.0 V peak to peak into 10K. Sound subcarrier frequency is set to 6 MHz.

Use the supplied rubber duck antenna for close line of sight applications or use the SMA to N jack adaptor to connect directly or through Belden 9913 coax to the Andrews 26T2400 dish (24dBi gain) or Comet GP24 13 dBd omni antennas available from us. See page 4 of our printed catalogue. We suggest Nema Electronics for ready made coax cables with connectors - phone: 305 893-3924, fax:305 895-8178, email: [nemalinfo@nema.com](mailto:nemalinfo@nema.com), web: <http://www.nema.com> Mouser Electronics also has between series coax connectors - call 800-346-6873 for their catalogue.