



ATV Gear in the 33, 23 & 13cm Bands

Did you know you can run full duplex or repeat with your 70 CM ATV system by simply adding a crossband system? Link weather radar or Space Shuttle NASA select satellite video to your local ATV repeater or base 70 cm station - over 40 miles snow free using the RTX23-.1 transmitter and 3340PA amp and loop Yagi's line of sight. Sure the 1200 MHz band goes 1/3 the distance of the 400 MHz band, and 2.4 GHz 1/6 given the same power and antenna gain, but you can make up for most of that with smaller but higher gain beams and an antenna mounted preamp. Standard ATV is AM and uses a regular TV set, however FM ATV can be used on the higher bands where there is the 20 MHz bandwidth required. AM is better for weak signal DX and FM is better between 5 to 200 uV, in the same band with 4 MHz deviation.



.1W AM transmitter
now available for the 33 or 23cm bands. Home or repeater TX use.

TRANSMITTER's for the 902-928 and 1240-1300 MHz bands:

RTX33-.1 900 MHz or **RTX23-.1** 1200 MHz 50-100mW AM ATV, 4 channels.....\$349

RTX33-.1s drives Downeast Microwave 3340PA 40W or 3370PA 70W amps, switch select 910.25, 911.25, 913.25, 919.25 or 923.25 MHz. Requires +8 to 14 Vdc @ 250ma.

RTX23-.1s drives the 2330PA 30W 1200 MHz amps, switch select 1253.25, 1265.25, 1277.25 or 1289.25 MHz. Great for crossband repeater or link.

Call Downeast Microwave -(908) 996-3584- for 900, 1200 MHz linear amps.



TVC-9S or TVC-12S
Downconverter

RECEIVING on the 902-928 and 1240-1300 MHz bands:

TVC-9S Downconverter 902-928 MHz band to AM TV channel 3 std., or 4\$159

5 crystal locked channels - 910.25, 911.25, 913.25, 919.25 & 923.25 MHz.

TVC-12S Downconverter 1240-1300 MHz band to AM TV channel 8 std, or 7\$159

5 crystal locked channels - 1241.25, 1253.25, 1265.25, 1277.25 & 1289.25 MHz. Ch3 output adds \$25.

Rch3 Channel 3 Receiver provides A/V output when connected to a downconverter..\$89

Great for driving a video monitor or camcorder. See catalog page 3.

ANTENNAS for the 900, 1200 and 2400 MHz bands:

33CM, YAGI, DIRECTIVE SYSTEMS 3318LYARM 18 element Loop yagi, 14.2 dBd...\$120

Loop Yagis are pre-assembled and specially optimized for ATV. 6 ft boom, 50-ohm, N jack.

33CM, OMNI Vertical, COMET KP-20 base or repeater, 7dBd, 902-928 MHz 7ft 5" ..\$126

33CM, OMNI Horizontal, OAL Nano Wheel or 23CM Mini Wheel antenna\$60

33/23CM, dual band, OAL 900/1200 MHz band Helix, circular pol., 14.5 dBc, 36" ...\$200

23CM, YAGI, DIRECTIVE SYSTEMS 2424LYRM 24 element Loop Yagi, 16.2 dBd....\$120

23CM, OMNI Vertical COMET GP-21, 12.7 dBd, base or repeater, 8 ft, N jack\$169

23CM, CORNER REFLECTOR OAL TCR-23 8 dBd, 90° beamwidth, N jack, 12"x9" ..\$105

23/13CM, dual band, OAL 1.2/2.4 Helix, circular polarized, 14.5 dBdc, 24"\$200

Single 50 Ohm type N feed covers both 23 and 13cm bands, end mounting mast clamp.

OAL 2x70cm50 Ohm Splitter for stacking 2 beams....\$65 **4X70cm Splitter** 4 way....\$80

70cm splitter also works on 23cm. 900 MHz band versions available.

2390-2450 MHz Ham Band

2400VH-1 FM ATV Transmitter, 1 Watt, 4 channels, A/V RCA jack inputs.....\$319

Primary frequencies 2398, 2417, 2430, 2441.5 MHz. Standard 5.5 MHz sound or 6.0 add \$10. 12V wall plug supply and SMA to N adaptor included. 4 MHz deviation. A/V line inputs - you can add mic amp/AGC deviation limiter section of FMA5-G board (\$59). Add video pre-emphasis/de-emphasis if used in your area for greater DX with the PEK and DEK kits (\$15 ea).

13FMR-1 FM ATV Receiver, sensitive, 16 channels, A/V RCA jack outputs.....\$179

2398, 2417, 2430, 2441.5 MHz plus 2407, 2410, 2413, 2419, 2420, 2425, 2429, 2432, 2433, 2434, 2435 & 2442.0. & matches 2400VH-1 transmitter 5.5 MHz sound or specify 6.0 MHz and add \$10. 12Vdc wallplug power supply, rubber duck and SMA to N jack adaptor supplied.

Other 13cm ham band TX and RX frequencies can be special ordered for \$25.

GP-24 Omni Antenna, Comet 12.4 dBd Vertical, 5' 11".....\$199

DC24, 24 dB, 2.4 GHz Dish Ant.- contact Pacific Wireless directly www.pacwireless.com or 601-572-3024



Directive Systems Loop Yagi
Horizontal or Vertical end mounting 6 ft. boom.



OAL TCR-23
Corner Reflector



OAL Wheel
Horizontal Omni



OAL 1.2/2.4 GHz Helix
for ATV or Satellite



Splitter



2400VH-1 FM ATV
1 Watt Transmitter



13FMR-1 FM ATV
Receiver

GP-24 12.4 dBd
Comet vertical
omni ant..\$199