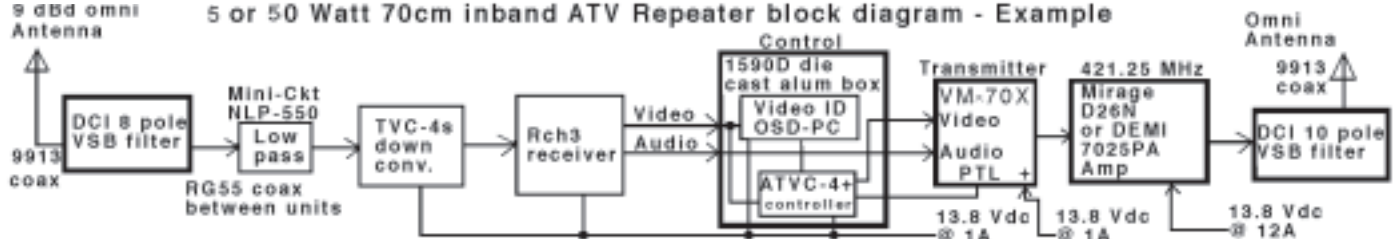


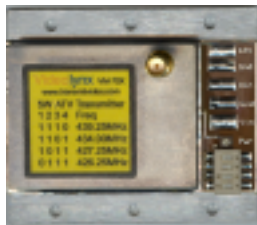


READY FOR AN ATV REPEATER OR LINK IN YOUR AREA? WE HAVE THE MODULES AND SOURCES FOR INBAND OR CROSSBAND

5 or 50 Watt 70cm inband ATV Repeater block diagram - Example



Download our 10 page ATV Repeater Application Note including recommended sources of filters, antennas, video IDers, expected line of site DX, etc., before you start so you can do it right the first time. Most can put together a good working ATV repeater for \$2400 to \$3200. Select a Transmitter, TVC Downconverter + Rch3 for the bands and power you want, add optional linear amp, VSB filters & antennas, ID & ATVC-4, power supply and coax for your own repeater. We suggest low in / high out for crossband repeat as best choice for seeing your own video, DX and cost considerations.



Videolynx VM-70X 5W Transmitter module

TRANSMITTER's for AM ATV repeaters:

420-450 MHz band - Videolynx VM-70X 5 Watt 4 channel ATV TX Module.....\$199
Package this module in a diecast aluminum box per our application note for continuous duty at the repeater site. Add an amp for higher power. See module description on page 2. 4 standard frequencies but if you want 421.25 MHz for the repeater transmitter, add \$25.

902-928 and 1240-1300 MHz bands:

Sorry, we are out of stock. If the economy turns around, we may again have ATV transmitters for these bands. We suggest checking on eBay for our model TX or RTX-33 or 23, or listing your wants on the www.qrz.com Online Swapmeet.



TVC series Downconverter
3.7x4.7x2.2"

RECEIVE: use one of our TVC- xS AM ATV downconverters for the respective band plus the Rch3 channel 3 receiver for A/V outputs. See catalog pages 3 and 4.

ACCESSORIES

VSB FILTER, DCI -8 Pole VSB, specify video carrier frequency on 70, 33 or 23cm band, 1 dB loss, >200 W, 12wx9.3dx6h" stacked or 19" rack mount. **10 pole VSB** with more out of band rejection on 421.25. Wider FM ATV filters for 900 MHz and up also available. **70cm Duplexer**, 10 pole VSB tx plus 8 pole VSB rx filters to one antenna jack.

Contact DCI directly at www.dci.ca or 1-800-563-5351 to order these filters.



Rch3 channel 3 to A/V receiver

ATV Repeater Controller board, ATVC-4 Plus, by Intuitive Circuits\$349
4 video inputs with horizontal sync detectors, scan or individually DTMF tone control selected. 5 audio inputs. 6x3.85". For the expanded ATV repeater with links, Shuttle video or tower cam. Programmable MCW ID, timers to switch to ID video. Audios mixed each with its own pot. Mount in a Hammond 1590D die cast aluminum box.



ATVC-4 Controller



DCI VSB filter
specify stacked or 19" rack mount



VOR-3 1.75x3.3"



DTMF-8 decoder

VOR-3 Video Operated Relay board..\$79. Senses horizontal sync and keys a 6A relay for power and a dpdt relay for receive and ID video. 6 switch selected modes for simple ATV repeater including 10 min ID and end hang time, beacon 10sec on every 10 min., VOR for remote VCR pause or TV squelch, or control via RS-232. 1.75x3.2", +10 to 15Vdc

DTMF-8 Decoder board..\$119. Great for remote controlling a tower cam or repeater. 8 1A relay outputs. Programmable momentary or latching. 12 to 14 Vdc @250ma. 4.5 x 2.5".

ENC-16 DTMF Encoder & key pad..\$109. Puts DTMF audio tones on your transmitter.

ANTENNAS

See page 7 for Call ID Video Overlay boards.

70cm X510NJ 428-442 MHz and 143.5-146.5 MHz Diamond vertical omni 9.5/6.1 dBd gain, 17.2 ft long.....\$219
X510NA 440-450 MHz and 2 meter band Diamond vertical omni 9.5/6.1 dBd gain, 17.2 ft long.....\$209

Recommended vert. omni for dual antenna inband 70cm or crossband repeaters. See our web site for Olde Antenna Lab for horiz omni.

33cm We suggest the Comet KP-20 Comet omni vertical, 7 dBd gain, 7 ft 5 inches long. Covers 902-928 MHz

23cm We suggest the Comet GP-21 omni vertical antenna, 12.7 dBd, base or repeater, 8 ft, N jack

13cm We suggest the Comet GP-24 vertical omni antenna, 13 dBd gain 2390-2450 MHz, 5', 11" long