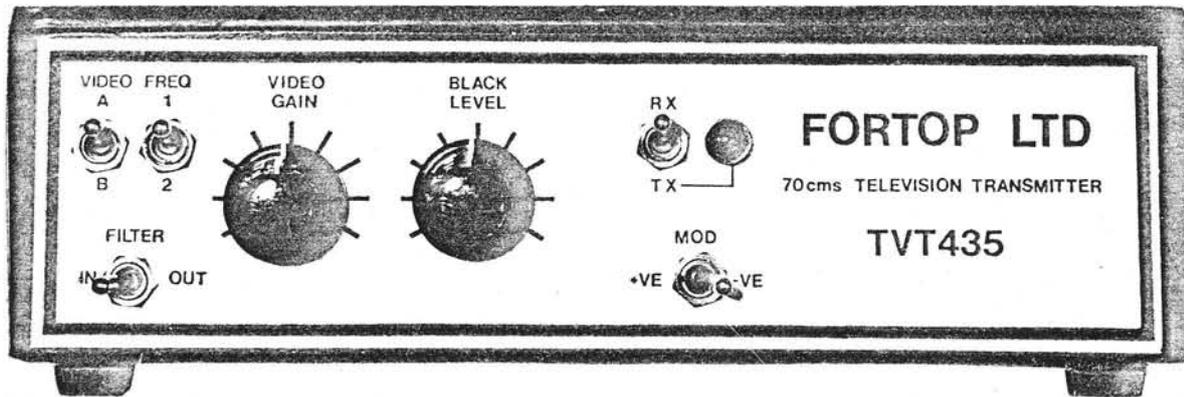


# FORTOP LTD

Manufacturers &amp; Suppliers of Radio Equipment



## SPECIFICATION

POWER OUTPUT.....15WATTS PSP min  
 MODULATION.....AM DSB  
 RF CONNECTORS.....50ohm BNC  
 VIDEO CARRIER FREQUENCY...435or437 WITH TX  
 (or to order)  
 VIDEO BANDWIDTH FILTER..2.5MHz AS STANDARD  
 (4.5MHz to order)  
 VIDEO INPUT......5-2v into 75ohm  
 VIDEO CONNECTORS.....S0239  
 POWER REQUIREMENTS....12-13.5v @ 3.5A, PEAK  
 POWER CONNECTOR.....5 PIN LOCKING DIN  
 SIZE.....190mm x 120mm x 55mm  
 WEIGHT.....900 GRAMS

This is the new Fortop Amateur TV transmitter. Based on our highly successful TTV 432 ATV unit the new transmitter has several unique features of interest to the serious ATV enthusiast.

Front panel mounted switches allow choices of two video inputs and video carrier frequencies to be selected and the oscillator circuit now uses plug in crystals for ease of installation. A video bandwidth limiting filter can be switched in to remove the wider bandwidths encountered with station caption generators and computer generated graphics. With the filter in the out position the TTV 435 will radiate excellent colour TV signals. Adjustment of the transmitted signal can be made with the video gain and black level controls and the unit incorporates our sync pulse clamp circuit (which we developed for the TTV 432) which ensures stability of the video output signal. Provision is made to radiate a positive or negative modulated TV signal for use during lift conditions when it should be possible to work continental ATV stations. The output from the transmitter is extremely clean with very low levels of oscillator feedthrough and harmonic output, more importantly this means no video buzz on your 2 metre talk back channel or breakthrough onto broadcast TV channels. The transmitter has built in PIN diode aerial changeover to automatically switch the aerial through to the ATV receiver system when the TX is switched off.

The TTV 435 is constructed to a high standard in an attractive stove enamelled die cast box using good quality components on professional printed circuit boards.

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## TELEVISION TRANSCEIVER KIT

- \* 18W psp OUTPUT (TYP)
- \* AERIAL CHANGE-OVER
- \* 2 RF STAGES IN RX CONVERTER
- \* SYNC-PULSE CLAMP
- \* POWER OUTPUT CONTROL

Following on from our highly successful TVT437 TV TX kit we are pleased to announce the introduction of our new TV TRANSCEIVER KIT. The converter section is the PCB from our TVC435/40 TV UP-CONVERTER and is supplied fully built and tested (This is the hardest PCB to set-up and so its already done for you). The transmitter section is the highly successful TVT437 TV TX kit. This is supplied in kit form and can be built in approx! 3 hours. The final part of the kit is the TVPA435 POWER AMPLIFIER. This is a new addition to the range and comprises of the power-amplifier and aerial changeover. Pin diodes are used in the changeover circuit, this gives a typical insertion loss of 0.3db, something that can usually only be achieved when using an expensive relay! The only things you need to supply are connectors, cable, a case and heatsink (and a little time and patience) to produce a high quality television transceiver.

Directors: S. J. Mitchell S. J. Whalley (Secretary)

Registered in England No. 1554751 Registered Office: Victoria Chambers, 48 The Boulevard, Tunstall, Stoke-on-Trent