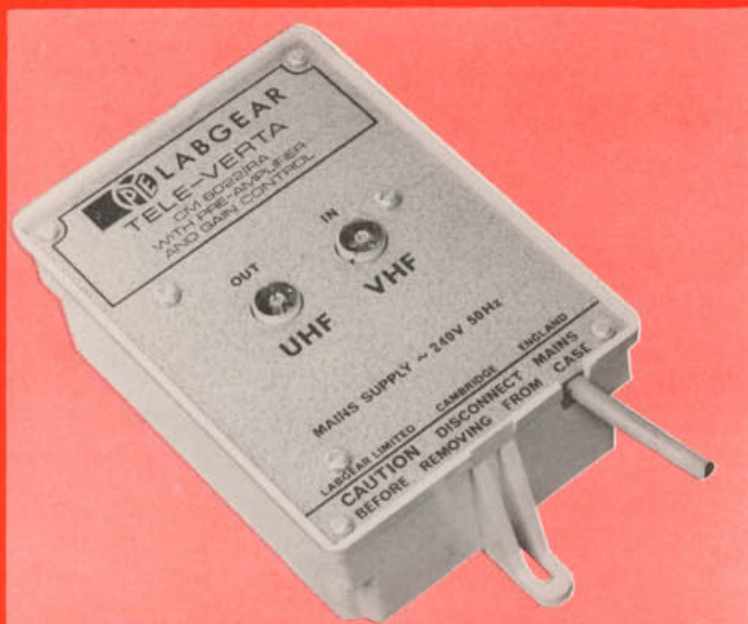
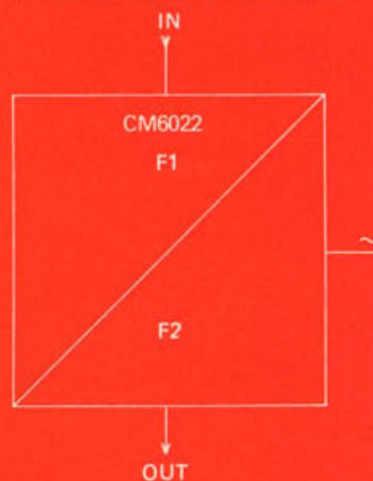


THIS IS A LOW-NOISE, FREQUENCY-CHANGING DEVICE WHICH CONVERTS VHF INPUT SIGNALS TO UHF OUTPUT SIGNALS. ITS PRE-AMPLIFIER HAS AN ADJUSTABLE-GAIN FACILITY, TO ALLOW THE INSTALLATION ENGINEER TO OPTIMISE NOISE AND CROSS-MODULATION PERFORMANCE ACCORDING TO THE SIGNAL LEVEL AVAILABLE. IT IS PRIMARILY INTENDED FOR USE WHERE 'UHF ONLY' TV RECEIVERS ARE REQUIRED TO OPERATE FROM VHF SIGNALS OF THE SAME LINE-STANDARD, SUCH AS MAY BE DISTRIBUTED IN HOTELS, BLOCKS OF FLATS AND HOUSING ESTATES. THE UNIT INCORPORATES ITS OWN POWER SUPPLY.



GAIN AT MAXIMUM SETTING	+ 4 dB
NOISE FIGURE	10 dB
INPUT/OUTPUT IMPEDANCE (NOMINAL)	75 Ω
OUTPUT BAND WITH L.O. SET AT 550 MHz <sup>(b)</sup>	590 MHz to 770 MHz
MAINS SUPPLY	230-250 VOLTS 50 Hz
MINIMUM RECOMMENDED INPUT	0.6 mV (-4.2 dB mV)
GAIN CONTROL RANGE	- 5 dB + 4 dB
LOCAL OSCILLATION FREQUENCY (SET AT FACTORY)	550 MHz
LOCAL OSCILLATOR ADJUSTMENT RANGE	500 MHz to 600 MHz
LOCAL OSCILLATOR LEVEL AT INPUT	LESS THAN 2 mV (550 MHz)
OVERALL DIMENSIONS	50 × 95 × 175 MILLIMETRES



The performance figures quoted are typical and are subject to normal manufacturing and service tolerances. Safety isolation tested at 2kV r.m.s.

- a. The numbers shown refer to United Kingdom TV channels.  
 b. This is a frequency changing unit; it does not convert

the line-standard of the system. Ensure that the required 625-line channels are available at VHF frequencies.



FROM VHF TRANSLATED SYSTEM



UHF TV RECEIVER

- Secure the Tele-Verta in a suitable position near the T.V. receiver by means of screws through the two mounting lugs on the case. It is not recommended to leave the unit unmounted or in a position where it may inadvertently be knocked.
- From the subscriber outlet socket supplying the 625-line VHF signal(s), connect a coaxial cable to the Tele-Verta socket marked "VHF-In".
- Before connecting any Labgear unit to a receiver, ensure that the mains supply to the latter is correctly connected. For additional protection against receiver faults, mains-isolating capacitors can be connected between the unit and the receiver.
- From the Tele-Verta socket marked "UHF-Out" connect a low loss coaxial cable lead to the UHF socket of the T.V. receiver.
- Connect the Tele-Verta to the mains (230-250V A.C.) via a standard 3-pin mains plug.
- Switch on the T.V. receiver and tune between approximately Channel 34 to Channel 39 to receive a Band I signal and Channel 52 to Channel 58 to receive a Band III signal.
- Should pattern interference occur, disconnect the mains supply. Remove the four corner screws, then the front panel and unit from the box.
- Using a screwdriver through the slot in the screening can, turn the oscillator trimmer clockwise by only a *fraction* of a turn.
- Re-check for absence of patterning on each programme and repeat the exercise if necessary. Each time the oscillator trimmer is adjusted the T.V. receiver will have to be re-tuned slightly on all channels.