

Original 'stand-alone' decoder manual - included for any interesting or relevant information it may contain.

One Thing
STEREO DEMODULATOR
MPX 1

- 1) The MPX 1 stereo decoder has been developed to partner any FM tuner which does not have its own integral decoder, or in cases where a decoder is fitted but deemed poor by modern standards. Although the decoder is a solid-state device, great care has been taken to ensure that the tuner's audio 'signature' is not lost in the stereo processing. Noise and distortion figures are the lowest achievable with current techniques.

The decoder is self-powered and available as a 'stand alone' unit or as a ready assembled p/c board for mounting inside the tuner case should this option be feasible. (NOTE: With valve tuners internal temperatures in excess of 40°C may slightly degrade stereo separation).

- 2) The MPX 1 decoder needs no adjustments on the part of the user to get it up and running. It has been carefully designed to work first time, without adjustment, providing a suitable composite signal is available from the tuner.

- 3) **WHAT DOES THIS ENTAIL?**

Nothing where a multiplex socket has been provided on the back of the tuner. In cases where no such socket has been fitted, it will be necessary to take an appropriate connection from the tuner. Sometimes this involves removing one or two de-emphasis components. For those who feel up to tackling this themselves, and would care to provide a Photostat copy of the tuner's circuit diagram, we can usually indicate how and where to make the connection (this assumes, of course, that the owner is capable of relating the circuit diagram to the chassis layout or p/c board). Alternatively, we will fit a 'multiplex out' socket to any mono tuner, and test it with the decoder. (Please check with your supplier for current costs).

- 4) **OTHER REQUIREMENTS**

To 'trigger' the decoder's stereo beacon, the associate tuner should have a composite output of 300mV or higher. This is the case with most tuners with which the decoder is likely to be used. A special version designated MPX1 FLA is available to order to accommodate tuners with lower outputs.