

# UNIVERSAL FAT5 PA Notes

The **FULL** kit contains all parts for use on any of the three bands....160m, 80m or 40m.

## Use for 40m

Considered experimental: I have built one of these and it seems to perform as well as my 80m (and 60m) versions.

## Use for 160m / 80m

All components can be left as for the 40m version **OR** two of the TC4422s (U1 and U3) can be removed along with R1, R5, C1 and C8. **ALSO**, links have to be placed on the GATE of Q1 and Q2, the left hand side of the board along with a similar link joining the GATES of Q3 and Q4. This is done so that one driver (TC4422) on each side drives two FETs.

## Component fitment

When fitting the components to the board, please be sure to solder both sides when ground connections are used. These will be on resistors marked \* and **two of the pins on the TC4422s along with the SOURCE pins on the FETs (IRF640)**. I have placed a soldered rivet at two of the ground places but these other component connections are also required.

## The schematic (shown below for 40M, for up to 100W O/P)

Shown for 40m but same applies for the other two bands as explained above. The 1kV capacitors are shown as 47pF but tests shown that 470pF can be used for the 40m as well as for the other bands so they will be supplied with the kit for all bands.

