ICOM ICB 1050 Notes

Intro

These notes were compiled a long time ago, possibly around 1982 when these radios where readily available.

The original notes were taken from an article published in Short Wave Magazine by G3XSE. These allowed a quick conversion on to 29MHz by moving a few wires. I improved on these by changing the synthesizer steps from 10kHz to 5kHz and adding a +5kHz offset switch.

The disadvantage of this method is that the 40 channels do not all run sequentially, you will have to figure those out for yourself! Later SWM articles by G4LBW used additional boards using 4008 cmos binary adders to give a repeater offset and correct the display.

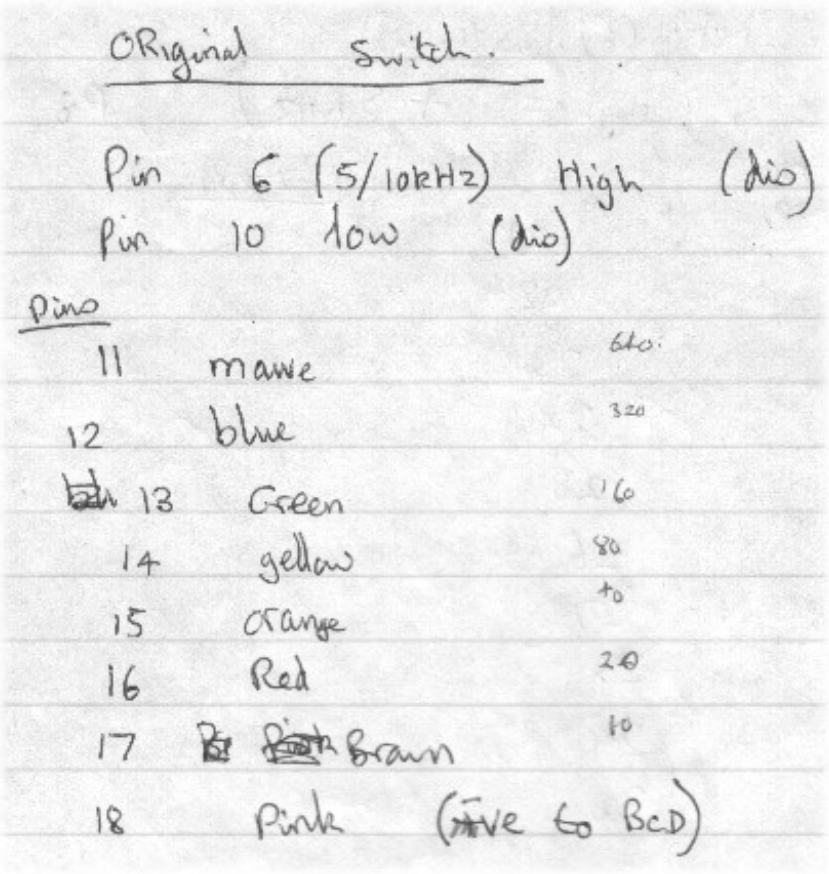
Improved Version

This was a later improvement I carried out for Brian G4MEO. I programmed an EPROM with the correct offsets and a repeater shift giving full coverage from 29.310MHz (CH1) to 29.700MHZ(CH40). The circuit is shown here along with the programming details for the 2732 EPROM.

Have fun!

Nick G4IRX 25th January 2006.

Original wiring



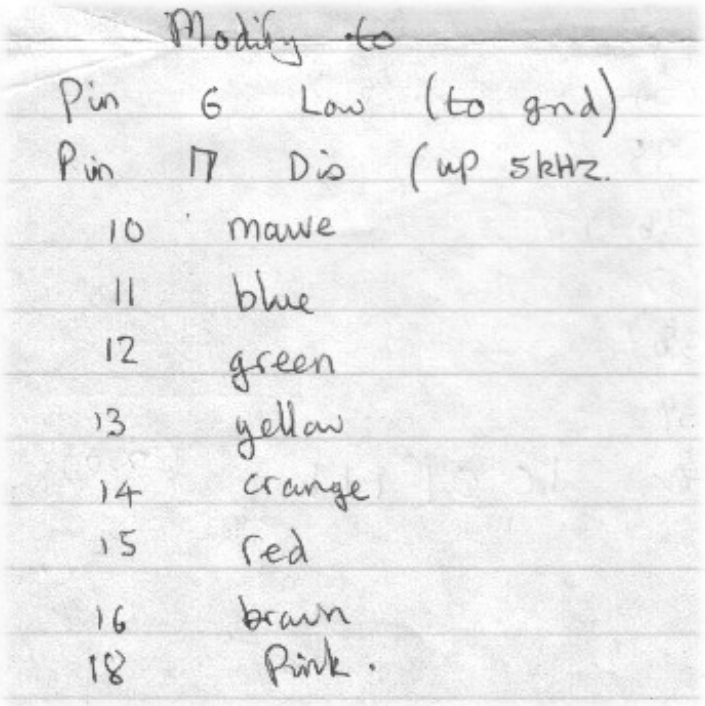
ORiginal Switch.

Pin 6 (5/10kHz) High (dio)
Pin 10 low (dio)

Pins

11	mawe	640
12	blue	320
13	Green	160
14	gellow	80
15	orange	40
16	Red	20
17	Brown	10
18	Pink (~~rive~~ to BcD)	

Mod to allow 5kHz offset

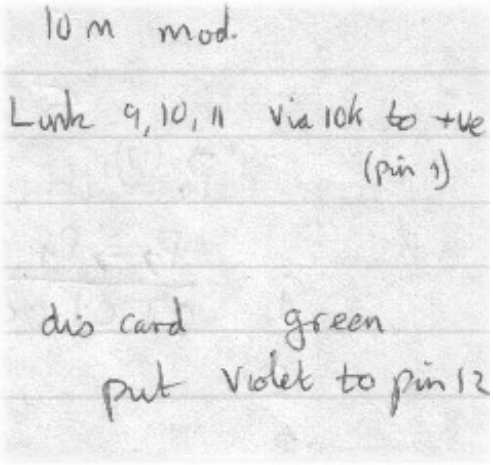


~~Modify to~~

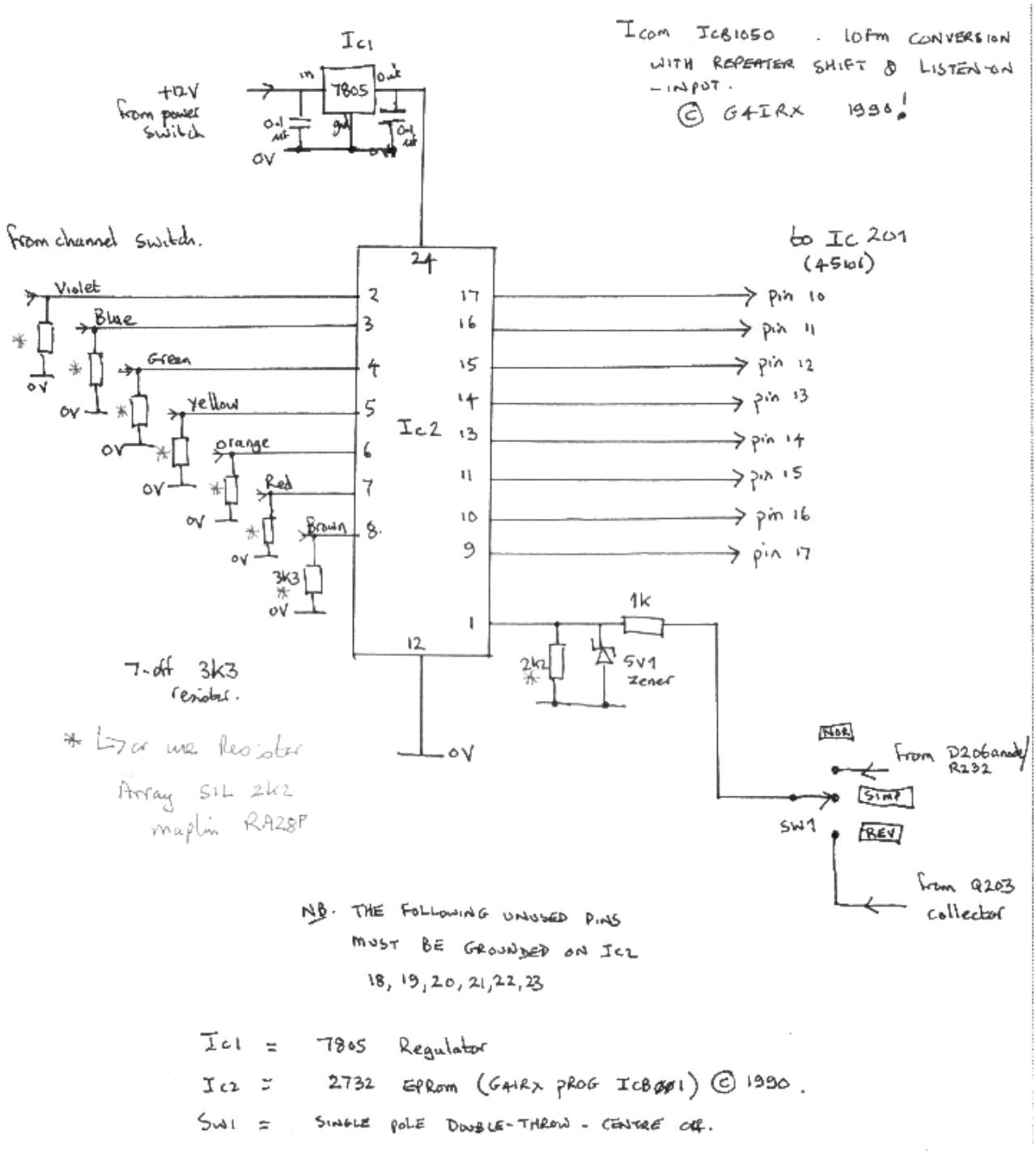
Pin 6 Low (to gnd)
Pin 17 Dio (up 5kHz.

10	mawe
11	blue
12	green
13	gellow
14	orange
15	red
16	brown
18	Pink.

Original "Quick Mod"



EPROM Board Circuit



EPROM Programming

