

# 8-Way Stereo Selector

This circuit provides noiseless remote selection and routing of eight audio signals, either stereo or balanced pair mono, using simple non-locking push-switches.

The BCD counter IC2 is disabled from counting IC1's 1MHz clock rate by the wired high on pin 1. A momentary closure of SW2, say, is sufficient and the switching action is effectively debounced. The code 0010 is now present on all the ICs so that LED 2 on IC4 is now lit and inputs A2 and B2 are connected to the outputs of IC5 and IC6.

SW8 selects BCD 1000 inhibiting the 4051s and providing an 'off' facility. ICs 5 and 6 may, of course, be remote from the selection and indicating circuitry — advantageously sited with respect to the audio signal paths.

The power requirement is only about 1/2mA above the required by the LEDs. Select R3 to suit the supply voltage assuming 25mA for the LED (so 140R for 6V, 260R or 9V, 380R for 12V, 500R for 15V and so on).

