

ROSTEC DSG5E Reference Generator

Purpose: Changing the start-up sampling frequency of the DS5E
Revisions covered: Rev 1, Rev 2, Rev 3.

The start-up sampling frequency is factory set to 48 kHz. However it is possible to change this to 44,1 kHz or 96 kHz by changing three small wirestraps on the printed circuit board.

Remove the two black hex screws at the DSG5E front and pull the module out of the GPU frame. Use a thin soldering iron to remove the wirestraps from the six pads on the PCB (see drawing). The PCB is plated-through, thus the operation can be performed from the top of the board as well as from the bottom. Resolder the three wirestraps to select the start-up frequency and the frequency select order you prefer.

The logic is simple. The points 1, 2 and 3 are outputs from the logic circuit. The points 44, 48 and 96 are inputs to the frequency select mechanism. Point 1 is active at start-up. By pushing the front switch the active point changes in a ring, 1-2-3-1 and so forth.

