

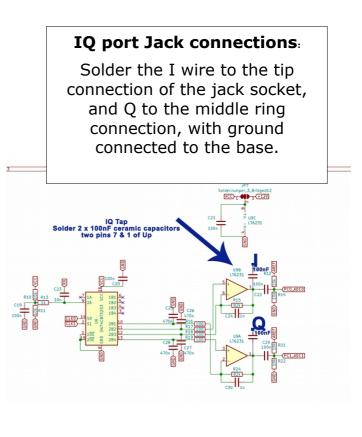
(tr)uSDX & uSDX/uSDR IQ Tap & (tr)usdx TTL RS232 Port

Both uSDX/uSDR and (tr)usdx have identical circuits. For uSDX mods, just locate the 8-pin mixer op-amp. Email us if in doubt!

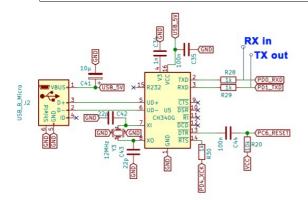


Instructions: Prepare two sections of miniature coax with no more than a 2mm diameter. For (tr)usdx these will pass through holes in the PCB to connect to a 3.5mm jack socket fitted to the case by the two existing PCB jacks. As shown in the photo below, prepare the coax and solder the braid to the ground and to the other coax section. Fit two 100nF ceramic capacitors two pins 7 & 1 of U9 as shown.





(tr)usdx only: RS232 TTL connection works with existing USB port



This modification supports both the USB and TTL RS232 com ports for direct connections to the Spectrum DSP module. This allows the USB com port on the Spectrum DSP to bypass CAT data to a connected PC or tablet.

RS232 Jack connection:

Solder 2 wires to R28 and R29 resistors at the furthest side from U5, and use pin 1 of U5 as the ground connection. Connect the 3 wires to an external 3.5mm jack socket, with the tip connected to R28 (RX white), and the middle ring to R29 (TX orange), and ground to the base, green wire.

Note: When the USB port is disconnected, pins 2 & 3 of U5 are high impedance, and R28 & 29 isolate the external TTL signals.

Note:

uSDX with UART jack port do not need this modification.



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