

SC51 - Yaesu FT897D interfacing

Pin	Colour	Purpose	Connection points (all on the Main Board)
1	Brown	Ground	J25 Chassis pad
9	White	Selcall PTT out	J1017 Pin 6 via J25 pads (Mic PTT)
10	Black	Tx Audio Output	J1017 Pin 5 via J25 pads (Mic line)
12	Red	Alarm Audio Out	Q1105 Pin 1 (Final audio amp input) (side 'B')
13	Orange	Rx Audio In	Q1120 Pin 1 via S1002 (S2) Side 'B'
14	Yellow	DTMF Audio In	TP1056 (next to SPK connector on 'A' Side) (SPK output)
15	Green	+12V	C1532 on 'B' side main board (+12v filtered line)
16	Blue	Ground	J25 Chassis pad

Note: the Yaesu FT897D microphone does not generate DTMF tones itself, they are generated by the radio's microprocessor. This limits the functionality of the SC-51 slightly but still allows the sending and receiving of selcalls, telcalls, etc.

To generate the DTMF tones to operate the SC51 you will need to press and hold the PTT on the microphone while entering the required key sequence on the microphone keypad. Once the keypad sequence is entered then the PTT can be released.