

TC-12SR USER GUIDE

V.23 MODEM for TC-S.. series

The units you have purchased are fitted with TC-12SR 1200bps modems.

When installed in a TC-S.. SERIES radio the connections change

- TxSig pin(3) on the radios DB15 connector becomes RS232 serial input (TxD)
- RxSig pin(5) becomes the RS232 serial output (RxD),
- TXE pin(8) (PTT input) becomes an RS232 control input (normally RTS)
- The RFCD pin(6) becomes an RS232 control output (nominally DCD). which is in fact data carrier qualified by RF signal level.

Modem Configuration Links

In addition to the standard 1200/1200 configuration other baud rates and audio sub-carrier frequencies can be supported by appropriate setting of "solder bridge" linking options on the reverse side of the PCB. The tables show the linking options available.

Note - The factory standard setting shown in **bold** text, have pre-wired traces which must be cut before re-configuration.

LK1	LK2	LK3	Tx Baud Rate	Rx Baud Rate
B	B	B	1200	1200
A	B	B	1200	75
B	A	B	600	75
A	A	B	600	600
B	B	A	75	1200
A	B	A	75	600
B	A	A	75	75
A	A	A	(Disabled)	1200

Tx/Rx Baud Rate	"Mark" Freq	"Space" Freq
1200	1300	2100
600	1300	1700
75	390	450

