

Selectone

ST-05x

APPLICATION NOTE # 0349

FOR USE WITH : KENWOOD TK840

APPROVAL DATE: 02APR98R BY:RTS

CONNECTIONS

Note	Pin #	ST-050 Function	Wire Color	Host Radio Connection
	3	(+) Supply	Red	JUNCTION OF F1 AND CN4-3
	9	(-) Supply	Black	GROUND
1	11	Rx Audio Input	Blue	JUNCTION OF Q17 AND R70
2	1	Rx Audio Output	Wht/Blu	JUNCTION OF R70 AND C80
3	12	Tx Audio Input	Green	JUNCTION OF C246 AND R238
4	13	Tx Audio Output	Wht/Grn	JUNCTION OF R238 AND IC205-2
	6	PTT Input	Yellow	J201-3
	10	PTT Output	Blk/Yel	J201-3
	7	Monitor/Clear/Ciphered	Brown	JUNCTION OF SW8 AND IC2-60
	8	Amp. Enable	Blk/Brn	JUNCTION OF R92 AND Q20
	5	COS	Blk/Org	BASE Q19
	2	RS-232 Input	Violet	Used for setup only
	4	RS-232 Output	Wht/Org	Used for setup only

Notes:

1. REMOVE R70.
2. ADD A .1 CAPACITOR AND THEN A 22K RESISTOR IN SERIES WITH THE WHT/BLU.
3. REMOVE R238.
4. ADD A .1 CAPACITOR AND THEN A 560 OHM RESISTOR IN SERIES WITH THE WHT/GRN.

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Configuration Settings for Product Manager

The following settings, with most recent updates is available as XXXXXXXX.SPM from the Selectone web site www.selectone.com.

Operating Mode Tab

Tx PowerUp Mode		Ciphered	X	Clear
Functional Rx Conditions	X	Ciphered	X	Clear
COS (Carrier Operated Switch)		Active Low	X	Active High
User Code Key Selection	X	Double Click		Toggle
PTT Input		Active Low	X	Common PTT
PTT Output		Active Low		Active High
Special Functions	X	Amp. Enable		Special PTT In/Out
Missed Sync Reset			X	Power Save
Initial Synchronization Delay				System Related

Audio Levels Tab

Receiver Input Level				
Receiver Output Level				
Microphone Input Level				
Microphone Output Level				
Synchronization Level	X	3dB	9dB	15dB 21dB
<i>Internal Squelch Detection</i>				Enable