

Selectone

ST-050 / 051 / 052

APPLICATION NOTE # 0399

FOR USE WITH : Kenwood TK-390

APPROVAL DATE: 08FEB99S BY: RTS

CONNECTIONS

Note	Pin #	ST-050 Function	Wire Color	Host Radio Connection
	3	(+) Supply	Red	Pad labeled A+
	9	(-) Supply	Black	Pad labeled E
	11	Rx Audio Input	Blue	Pad labeled RXIN
	1	Rx Audio Output	Wht/Blu	Pad labeled RXOUT
	12	Tx Audio Input	Green	Pad labeled TXIN
	13	Tx Audio Output	Wht/Grn	Pad labeled TXOUT
	6	PTT Input	Yellow	Pad labeled PTTIO
	10	PTT Output	Blk/Yel	Pad labeled PTTIO
	7	Monitor/Clear/Ciphered	Brown	Pad labeled Clear/C(aux)
	8	Amp. Enable	Blk/Brn	Not used
	5	COS	Blk/Org	Pad labeled BUSY
	2	RS-232 Input	Violet	Used for setup only
	4	RS-232 Output	Wht/Org	Used for setup only

Notes:

1. Remove R414.
2. Remove R665.
3. Program the radio for scrambler.

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Configuration Settings for Product Manager

Operating Mode Tab

Tx PowerUp Mode		Ciphered	√	Clear
Functional Rx Conditions	√	Ciphered	√	Clear
COS (Carrier Operated Switch)	√	Active Low		Active High
User Code Key Selection		Double Click	√	Toggle
PTT Input		Active Low	√	Common PTT
PTT Output	√	Active Low		Active High
Special Functions	√	Amp. Enable		Special PTT In/Out
Missed Sync Reset	5		√	Power Save
Initial Synchronization Delay				System Related

Audio Levels Tab

Receiver Input Level	In	2000	Out	2000
Mic Input Level	In	2000	Out	2000
Segment Filtering	Rx	255	Tx	255
Synchronization Level	• 3dB	9dB	15dB	21dB