

Selectone

ST-050 / 051 / 052 APPLICATION NOTE # 0393

FOR USE WITH: Kenwood TK-353

APPROVAL DATE: 26JAN99R BY: RTS

CONNECTIONS

Note	Pin #	ST-050 Function	Wire Color	Host Radio Connection
	3	(+) Supply	Red	CN203-3
	9	(-) Supply	Black	CN203-4
1	11	Rx Audio Input	Blue	CN203-2
	1	Rx Audio Output	Wht/Blu	CN203-7
2	12	Tx Audio Input	Green	Junction of R242 and C254
3	13	Tx Audio Output	Wht/Grn	Junction of C254 and R241
	6	PTT Input	Yellow	CN202-2
4	10	PTT Output	Blk/Yel	CN202-2
	7	Monitor/Clear/Ciphered	Brown	CN202-1
	8	Amp. Enable	Blk/Brn	See notes below
	5	COS	Blk/Org	Junction of R358 and C229
	2	RS-232 Input	Violet	Used for setup only
	4	RS-232 Output	Wht/Org	Used for setup only

Notes:

1. Remove R235.
2. Remove C254.
3. Add a 0.022mfd in series with the Wht/Grn wire.
4. Add three diodes to cathode to Blk/Brn wire. One anode to junction of Q206 and R319, second anode to junction of Q205 and R297 and the third anode to junction of R277 and IC213-6.

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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	2000			
Receiver Output Level	2000			
Microphone Input Level	0843			
Microphone Output Level	0843			
Synchronization Level	• 3dB	9dB	15dB	21dB