

# Selectone

**ST-050**

**APPLICATION NOTE # 0371**

**FOR USE WITH : MOTOROLA P1225**

APPROVAL DATE: 20AUG98S BY:RTS

## CONNECTIONS

Note	Pin #	ST-050 Function	Wire Color	Host Radio Connection
	3	(+) Supply	Red	SW488-5
	9	(-) Supply	Black	GROUND
1	11	Rx Audio Input	Blue	J13-8
1	1	Rx Audio Output	Wht/Blu	J13-6
2	12	Tx Audio Input	Green	J13-10
2	13	Tx Audio Output	Wht/Grn	J13-12
	6	PTT Input	Yellow	J13-13
	10	PTT Output	Blk/Yel	J13-13
	7	Monitor/Clear/Ciphered	Brown	PB451-3
	8	Amp. Enable	Blk/Brn	U481-1
	5	COS	Blk/Org	BASE OF Q492
	2	RS-232 Input	Violet	Used for setup only
	4	RS-232 Output	Wht/Org	Used for setup only

### Notes:

1. REMOVE R470.
2. REMOVE R480.
- 3.

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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](http://www.selectone.com).

### **Operating Mode Tab**

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

### **Audio Levels Tab**

<b>Receiver Input Level</b>	<b>650</b>				
<b>Receiver Output Level</b>	<b>650</b>				
<b>Microphone Input Level</b>	<b>500</b>				
<b>Microphone Output Level</b>	<b>500</b>				
<b>Synchronization Level</b>	<b>X</b>	<b>3dB</b>	<b>9dB</b>	<b>15dB</b>	<b>21dB</b>
<i>Internal Squelch Detection</i>				<i>Enable</i>	