

## TSP2100/2400 COMPACT PORTABLE RADIOS



Introducing the TSP2100 and TSP2400 compact portables from Team Simoco, with high functionality, 3 year warranty and an attractive market price.

The TSP radios are a compact fully featured range of PMR handsets suited for the general commercial market, including security, shopping centres, leisure, corporate and public sectors.

The range comprises of four models, the TSP2100A and TSP2100B are VHF and the 2400A and 2400B are UHF.

Weighing in at 285grams and measuring just 111mm high these conventional PMR handsets are among the smallest available on the market and come with a high specification. This includes 128 channels and 16 groups with a large graphic LCD capable of displaying 32 characters for channel and group select and automatic number identification (ANI).

### Features

- Wide Band Coverage
- Key-Lock Function for security
- DTMF & 5-Tone Caller ID Display
- Password Function
- Simple PC Programming and Cloning Capability
- CTCSS/DCS Encode and Decode
- Li-ion Dual Desktop Charger
- Li-ion 6-way Desktop Charger
- VOX Hands-Free (External)
- Temperature Compensation Function
- Dual SCAN
- Range of Accessories



TSP2100/2400



# SPECIFICATIONS

## TSP2100A/B AND TSP2400A/B

# Team Simoco

TSP-2100A/2100B (VHF)

TSP-2400A/2400B (UHF)

### 1. General

|                       |   |   |
|-----------------------|---|---|
| Frequency Range       | TSP-2100A ( 136 ~ 162 MHz )<br>TSP-2100B ( 146 ~ 174 MHz )                                  | TSP-2400A ( 400 ~ 440 MHz )<br>TSP-2400B ( 430 ~ 470 MHz )                                  |
| Number of Channels    | 128CH & 16 Groups   |   |
| Channel Spacing       | 12.5KHz / 25KHz, Selectable in 5Hz or 6.25KHz Steps   |   |
| Antenna Impedance     | Hellical Antenna, 50Ω   | WHIP Antenna, 50Ω   |
| Battery Voltage       | 7.5V DC ( NI-MH / Li-ion )  |   |
| Power Consumption     | Tx (5.0W) -- Less than 1.8A<br>Rx (1.0W) -- Less than 300mA<br>Rx Standby -- Less than 65mA | Tx (5.0W) -- Less than 1.8A<br>Rx (1.0W) -- Less than 300mA<br>RX Standby -- Less than 65mA |
| Operating Temperature | -30 ~ 60°C  |   |
| Size                  | 55 mm(W) x 38mm (D) x 111mm (H) (Li-ion Battery included)                                   |   |
| Weight                | 285g (including Li-ion Battery)   |   |
| Battery Options       | High capacity 1,700mA Li-ion Battery (W't 119g)   |   |
| Battery Life          | >9.5 hours typical, high transmit power (1700mAH Li-ion battery)                            |   |

### 2. Transmitter

|                               |                                 |                         |
|-------------------------------|---------------------------------|-------------------------|
| Power Output                  | HI (5.0W)<br>LOW (1.0W)         | HI (4.0W)<br>LOW (1.0W) |
| Type of Emission              | 11K0F3E/16K0F3E                 |                         |
| Oscillation Method            | PLL frequency Synthesizer       |                         |
| Frequency Stability           | ±2.5ppm                         |                         |
| Audio Distortion              | Less than 5% at 1KHz            |                         |
| Spurious & Harmonic Emissions | -65dBc                          |                         |
| Hum & Noise                   | -40dB (12.5KHz) / -45dB (25KHz) |                         |

### 3. Receiver

|                          |                                 |
|--------------------------|---------------------------------|
| Sensitivity (12dB SINAD) | 0.25μV (-119dBm)                |
| Squelch Sensitivity      | 0.2μV (-121dBm)                 |
| Spurious response        | 70dB                            |
| Selectivity              | 60dB (12.5KHz) / 65dB (25KHz)   |
| IMD                      | 60dB (12.5KHz) / 65dB (25KHz)   |
| Audio Distortion         | Less than 5% at 1KHz            |
| Hum & Noise              | -40dB (12.5KHz) / -45dB (25KHz) |
| Max. Audio Output        | 1.0W (16Ω)                      |

For additional information on this or any other Team Simoco product, visit our web site at:  
[www.teamsimoco.com](http://www.teamsimoco.com)

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