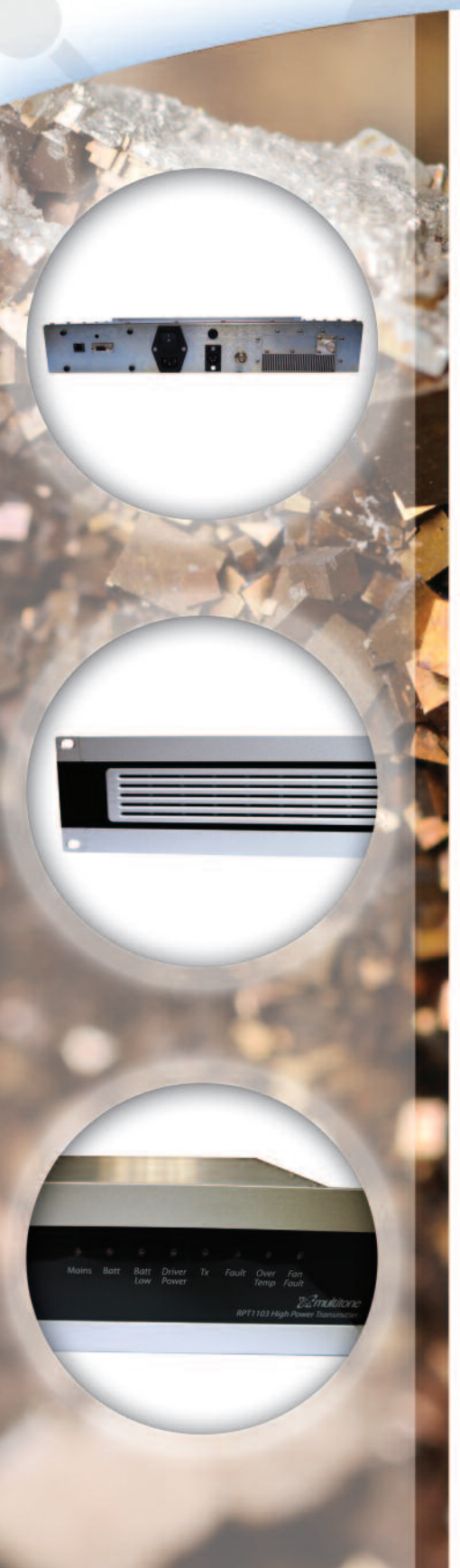
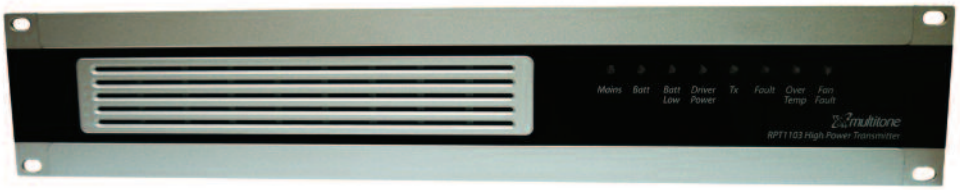
# RPT1103 UHF Transmitter



# RPT1103 UHF Transmitter

## Time critical messaging

The RPT1103 UHF series paging transmitter has been designed specifically to interface with Multitone's paging and messaging systems. With up to 50 Watts of output power, supporting master transmitter and slave transmitter line synchronisation, the RPT1103 transmitter is designed for robust and resilient communication.



# Technical specification

### Characteristics

- Radio performance: RPT1103 UHF (PLL synthesised)
- Frequency range: 430 - 475MHz
- Frequency stability: +/-2.5ppm, -20°C to +60°C
- Option for external, high stability reference
- Output power: up to 50 Watts
- Duty cycle: up to 100%
- Normal load impedance: 50 Ohms
- Channel Spacing: 12.5/20/25kHz
- VSWR protection: protection against short-term removal of the antenna (maximum of five calls with the antenna disconnected)

### Inputs

- Line input: -33 to -13dBm, 600 Ohms balanced line
- AC mains input: 100 to 240V 50/60Hz (integrated power supply unit)
- DC input: 13.6V at 20A (back-up battery)

### Physical characteristics

- Size: 19" Rack Mount (2U), 90mm x 440mm x 360mm (hxwxd)
- Weight: 7kg

### Ancillary connections

- Line input: 8-way RJ45 connector, -33 to 13dBm, 600 Ohms balanced line
- RF output: 50W N-type connector
- Auxiliary transmitter control: 15-way high density D-type connector
- 600 Ohms line input: 8-way RJ45 connector, speech and data and line synchronisation (Mk6 and Mk7 only) (-13dBm into 600 Ohms speech and data)
- Line synchronisation: 8-Way RJ45 connector, -13dBm into 600 Ohms
- Line synchronisation frequency: 20kHz

### Display and alarms

- LED indicators: mains, battery, low battery, driver power, transmitter keyed, fault, over temperature and fan failed
- Alarm outputs: open collector logic fault indication

### Environmental

- Operating temperature: -20°C to +60°C
- Storage temperature: -20°C to +70°C
- Code format: Multitone Mk6, Mk7 & POCSAG (CCIR No.1)

Multitone Electronics plc, Multitone House, Shortwood Copse Lane, Basingstoke, Hampshire, RG23 7NL
Tel: +44 (0)1506 418198 Fax: +44 (0)1506 411711 Email: info@multitone.com Web: www.multitone.com

This brochure is for guidance only. Products and services offered are subject to availability and may differ from those described or illustrated in this brochure as a result of changes. Specifications are subject to change without notice. Multitone Electronics plc is part of Kantone Holdings Ltd, a member of the Champion Technology group of companies. Registered office: Multitone Electronics plc, Shortwood Copse Lane, Kempshott, Basingstoke, Hampshire, RG23 7NL. Registered in England No. 256314.

Literature No: rpt1103/ds/issue 1

FM 20122