



# RPT501 HF Transmitter



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## Time critical messaging

The RPT501 HF series paging transmitter has been designed specifically to interface with Multitone's Access 3000 and Access 3000 Compact paging systems. With up to five watts of output power, supporting master and slave line synchronisation, it is designed to ensure robust and resilient paging communications.



## Technical specification

### Characteristics

- Frequency range: 25 to 54MHz
- Frequency stability: +/-2.0ppm, -20°C to +60°C
- Output power: up to 5W
- Duty cycle: up to 100%
- Normal load impedance: 50 Ohms
- Channel Spacing: 10/12.5/20/25kHz
- VSWR protection: protection against short-term removal of the antenna (maximum of five calls with the antenna disconnected)
- Antenna options: half wave dipole or stand alone HF whip with 4m cable

### Inputs

- Line input: -33 to +10dBm, 600 Ohms balanced line
- AC mains input: 100 to 240V 50/60Hz (separate power supply unit)
- DC input: 13.6V at 2.1A

### Ancillary connections

- Line input: 8-way RJ45 connector, -33 to +10dBm, 600 Ohms balanced line (speech and data)
- RF output: 60 Ohms N-type connector
- Auxiliary transmitter control: 15-way high density D-type connector
- Line synchronisation: 8-way RJ45 connector, -13dBm into 600 Ohms
- Line synchronisation frequency: 20kHz

### Display and alarms

- LED indicators: standby, transmitter keyed and transmitter 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

### Physical characteristics

- Size: 60 x 168 x 104mm (hwxwd)
- Weight: 650g

## Key Benefits

- Easy selectable power output from one to five watts
- 25 to 54MHz
- Up to 100 percent duty cycle
- Multitone Mk6 & Mk7 code formats supported
- Easy to install and configure using a standard PC or laptop
- Small footprint

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