

# RPR602 tone plus

Supplementary information

Time critical messaging



## The Multitone RPR602 tone plus alerter, designed exclusively for the Fire and Rescue Services in accordance with the MG4 specification.

The RPR602 ensures instant alert recognition, maximises ease of use, and uses proven materials technology to deliver robust operation. The RPR602 is also fully backwards compatible with systems using Multitone station end MG4 and standard systems.

### Instant alert recognition

Using a simple, but highly effective red, orange and blue LED display with accompanying tone and vibrate alerts, a firefighter can instantly identify the call type and the response required ensuring immediate action.

### Easy to use

Designed for absolute simplicity, a single button press enables:

- instant alert acknowledgment
- instant confirmation of operational status

If the RPR 602 is out-of-range, or the battery requires changing, automatic notification is given ensuring operational performance is maintained.

### Robust, tough case design

The RPR602 is specially designed using a specialist shatterproof, wear and chemical resistant PC/ABS plastic, ensuring long-term durability even in the toughest conditions and situations.

### Easy to wear

Multitone's unique grip-tight clip makes the RPR 602 easy to wear. By simply adjusting the grip-tight clip, whatever the clothing type - a simple shirt to a thick, protective coat - consistent grip is maintained.

### Key features

- Unread message remind prompt
- Call comparator stopping unnecessary repeated calls
- Tamperproof off switch prevents accidental switch off
- Easy to use programming software for simple configuration
- Instant alert acknowledgment
- Instant confirmation of operational status
- Robust, tough case design
- Easy to wear

### RPR602 paging receiver



## Technical specification

### Characteristics

- Frequency range: 147.800 & 153.050MHz
- Channel spacing: 25kHz
- Sensitivity (512 baud):  
best position 7µV/m,  
eight position average 10µV/m
- Sensitivity (1200 baud):  
best position 10µV/m,  
eight position average 14µV/m
- Intermodulation rejection 60dB
- Adjacent channel sensitivity:  
60dB/25kHz
- Spurious response: 50dB
- Image response: 50dB
- Spurious emission: <1GHz (max) 2nW

### Environmental & approvals

- Operating temperature:  
-10°C to +55°C
- Storage temperature:  
-20°C to +70°C

### Operational

- 4 x display LEDs:  
red - fire alert & pager off  
orange - test  
blue - admin  
green - alerter on & low battery warning
- Alert tone output (typical): 80dB SPL minimum at 30cm
- Alert options: 4 alert tones
- Vibrate alerts: internal vibrate motor
- Alert & extended alert: programmable alert length up to N seconds
- Unacknowledged alert reminder: programmable from 0 to 8 minutes & disable option
- Code format: POCSAG (CCIR No. 1)
- Baud rate: 512, 1200 & 2400 baud
- Receiver addresses: Up to 4 RICs
- Call comparator: automatically cancels repeated calls

### Battery

- Size: single AA cell (disposable)
- Life: up to 1000 hours dependent upon operation

### Physical characteristics

- Size: 56mm (h) x 81mm (w) x 18mm (d)
- Weight including battery & clip: 80g

### Accessories

- Holster
- Lanyard
- Battery
- User guide

Multitone Electronics plc, Geddes House, Kirkton North, Livingston, West Lothian, EH54 6GU

Tel: +44 (0)1506 418198 Fax: +44 (0)1506 411711 Email: [info@multitone.com](mailto:info@multitone.com) Web: [www.multitone.com](http://www.multitone.com)

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