

# RX10 Receiver



Professional Wireless Solutions

## 10 Zone Receiver/Decoder System



**RX10T**  
AC Mains Input

**RX10LT**  
12V DC Input

Featuring our latest frequency-programmable receiver modules, the RX10T and RX10LT provide a high performance, low cost solution for many applications. They can be used with all Scope POCSAG transmitters. Each has 10 individual relay outputs, an onboard sounder, a selectable common relay output and RS232 serial data output.

- **10 Zone relay outputs**
- **Sounder**
- **RS232 serial output**
- **Fully programmable**
- **Keypress or OTA Reset**

See next page for further details

# RX10 Receiver



## Specifications

### Mains Model

**Footprint:** (H)\* 328 x (W) 190 x (D) 75 mm  
[\*496 mm with 1/4 wave antenna]

**Supply Voltage:** 90-230V AC 50-60 Hz

### DC Model

**Footprint:** (H)\* 185 x (W) 140 x (D) 42 mm  
[\*335 mm with 1/4 wave antenna]

**Supply Voltage:** 12-13.8V dc

### Power Consumption:

~43mA (standby)

~50mA (standby + serial port)

~340mA (all relays active)

**Relay Contact Rating:** 0.5A @ 60V dc

**Serial Port:** RS232 (1200-115200 Baud)

**Protocol:** POCSAG FSK NRZ

### Frequency Range:

**RX10T:** 458.5125MHz - 458.9375MHz

**RX10LT:** 430 MHz to 470 MHz

**Channel Spacing:** 12.5KHz

**Receiver Blocking RX10T:** Category 1

**Receiver Blocking RX10LT:** Category 1.5

**Receiver Sensitivity:** -117dBm

### Compliance:

Radio Equipment Directive 2014/53/EU

ROHS Directive (EU)/215/863

### Standards Applied:

EN 300 220-1 V3.1.1 (Radio)

EN 301 489-1 V2.2.1 (EMC)

IEC 62368-1: 2020 (Safety)

### UK Licence Requirement:

None (Rx only)



## Features

- ◆ **Compatibility:** Can be used with all Scope POCSAG transmitters
- ◆ **10 Zones:** 10 individual zone relays + common activity relay and sounder
- ◆ **Versatile Zone Configuration:** Each zone individually switchable. All relays can be programmed for Follow, latching or momentary operation
- ◆ **Serial Port:** RS232 serial port for PC data logging or repeater functions
- ◆ **Fully Programmable:** All functions are programmable with PC based configuration software
- ◆ **Receiver Identity Codes:** Responds to transmitted RIC's (receiver identity codes) or ranges of RIC's
- ◆ **Global Reset:** By key-switch or transmitted RIC
- ◆ **Supervised:** 'transmitter in service' facility (communication monitoring)



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Licensing: This equipment operates on licence-free SRD frequencies in the UK.  
Contact our sales team for further details.

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