

RS250 Receiver Logger



RX250 Receiver Logger

All transmitters, either directly or via repeaters report to the central RX250 Receiver logger.

The RX250 is a single unit that combines the radio receiver, signal processing, power supplies and data logger functions.

Radio receiver

The high performance receiver operates in the licence exempt UHF band. (Other bands are available e.g. VHF and 914.5Mhz – please contact Eltek) The receiver delivers high sensitivity and high selectivity, the received signals provide a data stream that the data logger can use. (Note Eltek do not use low cost wide band radio because of the inferior performance.)

A 50ohm SMA antenna connector is provided and can be used with a built-in compressed spring antenna, alternatively an externally mounted dipole can be used to improve range if necessary. Refer to Eltek [accessories](#) for antenna alternatives.

Data logger

The data logger shares the same basic platform as Eltek 1000 series data loggers. In this version the power supply has been adapted for use with Ni mH rechargeable batteries and can provide 24 hours of standby operation in the event of mains failure. If the batteries become discharged, the logger will go into hibernating state. When the power is restored, normal logging and charging of the batteries is resumed.

A universal switchmode (97-263V AC) plug top mains to 12V DC power supply is the primary source of power for the system and for battery charging. The power supply is supplied with single-fit adaptors for UK, Euro and US style mains outlet.

The logger is fully compatible with [Darca Plus](#) software only.

There are three version s of RX250:

- **Type RX250:** 250 channels, 125 transmitter capability
- **Type RX250-AL:** Additionally provides text messaging (when used with an external GSM)

and Alarms.

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