

Radio Repeater Data Sheet



Introduction

The zRID Radio Repeater is an effective way to increase the radio range of Encrypted radio Keys, it has a rechargeable back up battery to allow continued operation during mains power failure.

Radio Repeater Location & Range

The Radio repeater should be located approximately half way between the furthest transmitter device (trigger) and the main System receiver (zRID unit)
Radio range between the main receiving device and the repeater is approx. 50 metres in free air although environmental factors such as metal frames, etc need to be taken into consideration as this could decrease signal distance.

Operation

Ensure batteries are fully charged or the repeater is connected to mains power supply via charger.
Turn ON the repeater via the switch, a green light should be blinking.
When transmitter (trigger) is pressed a red light will blink momentarily to confirm relay of signal.
When repeater not in use switch OFF to save battery life.

Modes

There are two modes to the repeater; selection done via a dipswitch on the PC Board of the repeater

1st: The repeater can repeat all ZRID transmitter signals (trigger) – **default setting**

2nd: The repeater can only repeat the coded transmitter signal (trigger), which can be done via the following steps:

- On the PC Board of the repeater dipswitch SW3 (top right), position 2 needs to be OFF (down)
- Press and hold the blue button on the repeater, then press transmitter trigger 3 times.
- Release finger from repeater and check correct operation via pressing trigger and seeing if red light blinks once on the repeater.

Indication lights:

Lights on charger

Red – Repeater battery is charging

Green – Repeater battery is fully charged

Blinking green light / Red light flash on repeater unit

Blinking green light indicates that the repeater is in standby mode.

A short red flash indicates the repeater repeating the signal from the transmitter.

Battery Specifications:

Voltage	3.7 V
Type	Lithium Ion

Battery Life	Up to 10 Days
Recharge Time	8 Hrs

Overcharge and battery drain protection incorporated with battery pack.

SPECIFICATIONS

Size	196 mm x 130 mm x 65 mm
Weight	666 grams
Frequency TX \ RX	915 MHz