



## ORANGE R618XL cPPM RECEIVER

### DESCRIPTION

Extend your range and increase your link robustness with the OrangeRx cPPM receiver. This is the long antenna version making it ideal for FPV racing and for models with carbon fiber frames. The extra length of the antennae allows you to route them outside of the model.

OrangeRx receivers are built using original components, MCUs and with state of the art SMT automation to ensure a quality product each and every time. Every R618XL is manufactured using impedance matched PCBs with exact tuning to provide signal stability and range that exceeds any of the previous generation ORX products. In fact, our testing has shown that the R618XL exceeds the range of other receivers in the same class.

All R618XL OrangeRx receivers are QC tested using our latest method that ensures range checking takes place as the receiver is programmed. Simply put, if the R618XL cannot pass the range check it cannot be programmed, this ensures 100% of R618XL are guaranteed to work flawlessly.

The R618XL ushers in a new era of quality, reliability and performance for the OrangeRX line up.

This receiver features TRUE DIVERSITY technology. It is especially important for long range flights and in situations where you need more robust reception. It is also very useful in aircrafts with carbon fiber frames where antenna can be in shadow of the airframe. If one of the antennas cannot receive signal due to its orientation of airframe shadow, the satellite will use the other one and will still receive proper commands from transmitter. We tested these satellites in real flight tests many times and achieved 2 or more kilometers line of site performance. Please note that your range depends on the conditions in your place – interference, WiFi presence, obstacles and even air humidity.

This receiver has been tested and fully compatible with following Flight controls:

- Naze32
- CC3D
- KK2
- MultiWii
- APM(2.0 and up)
- V-Bar 5.3

#### **Spec:**

Frequency: 2.4Ghz

Modulation: GFSK

Sensitivity: up to -97dBm

- Compatible with DSM2/DSMX 1024/2048 aircraft radio and module systems
- 6 channel cPPM or 6 channel s.Bus (depends on version) output allowing for single line connection with compatible devices
- Ultra fast brownout recovery and programmed fail safe mode
- Wide input voltage: 3.7~9.6V
- Size: 19.5x30x10mm, 43x22x13mm with case
- Weight: 3.7g / 9.8g with case
- Current consumption: 35mA
- Wire Length: 210mm
- Antennae Length: 145mm

