

The Repeater

Retransmission of local radio data received from the Trak Modules/Warms, to the C@ll Rider® in order to extend the radio range.

- Acquisition of data transmitted by the Trak modules/Warms
- Radio FM data transmission to the gateway
- Powered by battery (10 y life)
- Operates in hostile environment (IP68, from – 20°C to + 50°C)



The Repeater is designed to retransmit data received from the Trak Modules/Warms by low power radio, to a receiver, type Repeater or C@ll Rider® gateway. It is used when the radio conditions are difficult and do not allow direct radio communication of sufficient quality between the radio modules and the C@ll Rider®, or to simply extend the communication distance. Up to 3 levels of Repeater can be installed in cascade.

The communication distance between a Trak Module/Warm and a C@ll Rider® can be several hundreds of metres. However, depending upon the environmental conditions and the obstacles, it is conceivable that communications between the Trak Module and the gateway are impossible, or of very poor quality. In these particular circumstances Repeater modules are installed, allowing the distance between the two points to be doubled or tripled.

Compatible with all end points, the Repeater is a generic module of the HomeRider system. Its principle characteristics are:

- Up to 32 Traks/Warms can be associated

with a standard Repeater module.

- The Traks/Warms that are associated with a Repeater can be from several different partners and applications
- Powered by battery
- IP 68 standard to function in adverse climatic conditions.

A Repeater module includes:

- ♦ An injected plastic casing protected against ultra violet light
- ♦ A bi-directional radio card at 868 MHz for Europe or 915 MHz for North America
- ♦ A lithium battery
- ♦ Two antennas
- ♦ A mounting sole plate
- ♦ Resined electronics and battery.

The proprietary technology developed by HomeRider Systems uses shared ISM bands (a licence fee does not need to be paid in order to use these frequencies). Equipment meets IP68 specifications. CE approved.