The use of wireless products may require very long ranges for some applications. The Newsteo Repeater has been developed to communicate with the Newsteo loggers outside the radio range of conventional installations. Two kinds of power supply are available, allowing to easily create a network both inside and outside.

**Functioning**

Newsteo Repeater has been developed for sites where many obstacles disrupt radio transmissions or where radio coverage of several kilometers is required. Indeed, this radio relay collects data of the most remote loggers and transmits it to the radio receiver (RF-to-USB key or Collector).

Installation is very simple: once products are set up, communication automatically works without any additional configuration.

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**MAIN POWER SUPPLY REPEATER**

With a main power supply, for indoor use.

- Operating temperature: -40 to +85°C
- Power supply: Main power (220 Volt), with 5 V adaptor.
- Weight: About 0.5 kg
- Product reference: PFPN-RPT20-001, PFPN-RPT30-001
- Autonomy: Unlimited
- Total radio range: (PC - Repeater - logger) Several hundred meters, passing through several walls.
- IP Level: IP50 for RPT20, IP65 for RPT30

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**SOLAR POWER SUPPLY REPEATER**

With solar power, it is standalone, rain, UV and dust resistant, and therefore perfect for outdoor use.

- Operating temperature: -40 to +85°C
- Power supply: Solar panel, with a rechargeable lead battery.
- Weight: About 4.3kg
- Product reference: PFPN-RPS51-001
- Autonomy at 25°C: 6 days without sunlight (low light is enough to recharge the battery).
- Total radio range: From 1 to several kilometers
- IP Level: IP67