



The **Seismic Radio Trigger** [30-39100004A] provides an option for wireless triggering and has been designed with a focus upon the ABEM Terraloc family of products. The system comprises two radio units: one to transmit the trigger signal and one to receive. Both the Transmitter (TX) and Receiver (RX) units can accept and provide both analogue and digital input / output.

The devices work on open LoRa radio frequencies that do not require licensing. The trigger units come pre-paired with no additional set-up required. The devices are powered by a small internal lithium-ion battery, which is recharged via the supplied double USB power adapter and leads. Other accessories include antennas, BNC to banana plug leads, and a metal post to banana socket adapter (for using a trigger geophone with Mueller clips). The transmitter unit has a sensitivity control for fine-tuning the trigger threshold.

Specifications & accessories

Casing:	2 mm anodized aluminium
Power:	Rechargeable Li-ion 2600 mAh, low battery warning, USB-C charging
Trigger input:	Geophone (with sensitivity adjustment), hammer switch, digital 5.0 V
Trigger output:	Contact / make, digital 3.3 V
Test functions:	Two-way radio test, manual trigger
Dimensions:	157 mm x 47 mm x 130 mm (per unit, not including connectors or antenna)
Weight:	620 g (per unit)
Radio system:	LoRa – FSK spread spectrum technology
Maximum range:	20 km
Compatibility:	Works with several other types of seismograph
Accessories:	2x 135mm fold & rotate aerial, 1x Mueller-banana plug adapter, 2x BNC-banana plug lead, 1x Double USB power adapter, 2x USB-C charging lead

