

Loopworks Measure R2 Receiver

The R2 Receiver is a high quality audio induction loop receiver with a vertically mounted pick up coil designed to be used in conjunction with the Loopworks Measure App. The Loopworks Measure App and R2 Receiver together become the most accurate, dedicated field strength meter (FSM) currently available.



Features

- Integrated calibration routine ensures accurate field strength and frequency response
- Frequency response (± 0.25 dB 50Hz to 8kHz), app brick wall filter beyond 10kHz
- RMS detection with 125ms (F) integration time constant provided by host device and App
- Powered via energy harvested from device audio output or mic bias, depending on mode
- Supports Lightning and USB-C connections via official Apple adapters
- Assessment of any system to IEC60118-4
- 1 year warranty

Applications include

- Meter mode (no sign-in): field strength, frequency response and background noise measurement
- Guided tests (Loopworks sign-in):
 - Commissioning (IEC 60118-4 certification)
 - Quick check (installed system verification)
 - Site assessment (pre-install evaluation)

Key Benefits

- Faster testing and commissioning with guided workflows and integrated driver control
- More accurate measurements, even in challenging environments
- Reduced time on site with fewer trips between amplifier and measurement position
- Immediate visibility of system performance and compliance
- Seamless data capture and reporting through the Loopworks platform

Included with Receiver

- Soft carry pouch
- User guide/handbook
- USB-C to 3.5mm adapter

Operational modes

Background Noise

- A-Weighted filter
- True RMS detection. 0dB referenced to 400mA/m
- Scale -60 to -0dB
- Audio output can be captured for analysis in signed-in, certify mode or listened to live via the headphone jack in meter mode
- For use with system on or off, sine waves and combi signals.



Field Strength

- Broad band measurement 50Hz to 8kHz
- True RMS detection referenced to 400 mA/m
- Scale -40 to +10dB
- Suitable for use with sine wave, pink noise, combi and live signals.



Frequency Response

- Third octave bands at 100Hz, 1kHz and 5kHz
- True RMS detection
- Scale resolution to 1dB
- For use with pink noise, combi and tri-tone signals.



Specifications

Magnetic field measurement

Coil orientation: Vertical when unit held upright
Reference level: 400mA/m (In field strength mode)

Frequency response

50Hz to 8kHz ± 0.25 dB
40Hz to 10kHz ± 0.5 dB
30Hz to 15kHz ± 3 dB

Gain stability: Better than ± 0.25 dB over all conditions

Audio inputs

3.5mm 4-pole jack plug for connection to Apple device
3.5mm 3-pole jack socket for monitoring with stereo headphones

Calibration Power < 100mW

Measurement Power < 1mW

Physical

Dimension: 52.0 x 27.5 x 9.5mm

Weight: 10g

Operating temp range: -10 to +45°C (Storage: -20 to +75°C)