

# Multi-Function Radio Transceiver

The EXP-2R-MULTI is a flexible, multi-functional device with three unique and innovative modes (hybrid expander, standalone receiver, paired transceiver) which can solve challenges and introduce solutions that optimize a wide range of installations. It features the innovative, cybersecure and bidirectional Scantronic Secure Radio (SSR).

SSR products feature advanced two-way communication and true signal encryption, ensuring market leading cybersecurity comes as standard. Over-the-air updates keep devices future-proof and reduce labour time onsite, whilst shortened device response times improve battery life and ensure rapid event notification, minimising false alarms.



## Modes:

- **Hybrid expander (for SSR systems)**  
The EXP-2R-MULTI communicates with a control unit or EXP-2R radio expander via a radio link.
- **Standalone receiver**  
The EXP-2R-MULTI can learn up to 10 radio detectors and/or hold-up devices, which, when activated, operate relay outputs at the EXP-2R-MULTI and operate the internal sounder (if enabled).
- **Paired Transceiver**  
Two EXP-2R-MULTI devices are paired with each other. Wired zone inputs at one device operate outputs at the other, and vice versa.

## At a glance:

- Four voltage-free relay outputs.
- Monitored inputs for power supply (low battery and AC fail)
- Loudspeaker output
- Tamper return input for use when an output controls a wired siren, or to manually deactivate latched outputs when using standalone or paired mode
- Built-in antenna, and a socket for an optional fault-monitored external antenna
- On-board sounder
- Local programming using an LED display and menu keys
- AES128 encrypted communication
- Fuse-protected auxiliary 12Vdc outputs

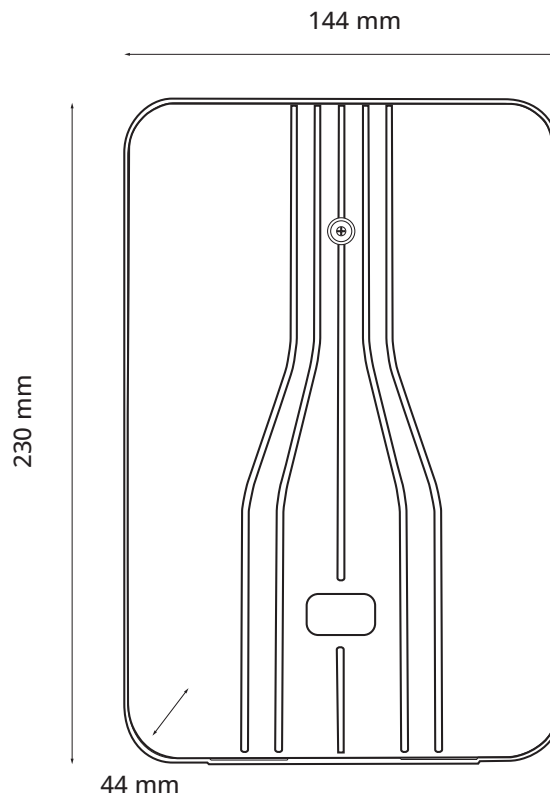


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# Scantronic product data sheet

## Product specification

Product code	EXP-2R-MULTI
Power supply	12vDC
Current	25mA quiescent (display and loudspeaker off); 400mA max
Operating temperature	-10°C to +55°C
Compliance with EU Radio Equipment Directive (RED)	Compliant
Radio frequency	868.0-868.6MHz
Radio range	700m in free space
Environmental class	II
Enclosure material	Plastic
Weight	450g
Outputs	Voltage-free relays, 1A@30Vdc max
Loudspeaker	12Vdc, 280mA max. Minimum impedance 16 Ohm
Security grade	2
Standards	EN 50131-5-3:2017; PD 6662:2017
Relative humidity	0-95%, non-condensing
Dimensions	230mm (h) x 144mm (w) x 44mm (d)



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