

ICESPY[®] SYSTEM 5

ECHO Features & Specifications

Overview

- A device for forwarding data between Scout (or ScoutPlus) units and Base or Bridge units
- Communication from Scout/ScoutPlus by low-power radio link
- Backup battery supply for continuous operation during power failure up to 6 hours



Functions

- Radio module for collection and verification of radio broadcasts from Scout
- Enables extended distance one-way communication (broadcasts only) between Scout and PC
- Verification of data before retransmission
- Display of operating conditions via front panel:
 - LED to indicate mains power, battery operation or no power
 - LED to indicate successful reception and retransmission of radio broadcasts
 - LED to indicate transmission of its own ID
- Provision of build standard control (software) for each module via communication modules
- Indication of successful broadcast rate sent at regular intervals to any connected Base or Bridge

Data

- Ability to rebroadcast (one-way communication) messages from an unlimited number of Scouts, to be received by further Echo units or by Bridge or Base unit.
- Any number of Echos can form a continuous path for rebroadcasts.

Interfaces

- No communications connections other than via radio. Mains power connection only.

Low-power radio module.

- Frequency: 433.9 MHz (UK/Europe), licence-free band. ETSI 300-220 standard. Power: max 10mW (+10dBm).
- Transmitter duty cycle <10% (ETSI 300-220 standard)

Environment / Mechanical / Electrical

- Dimensions: 230 x 170mm x 50mm deep.
- Case Material: ABS
- Weight: 880g
- Operating temp. range: 0C to +40C, humidity 0-90%.
- Dust / Waterproofing: IP65
- Battery: Rechargeable NiMH providing operational backup (except user-interface backlight) for at least 6 hours.
- Mains powered 220/240V 50/60Hz 120mW average. Cable length 1.5 metres

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