



The OptionFinder® **micro** is a small, highly portable response device at a breakthrough price. The **micro** makes interactive events economical for groups of any size. Seasoned users and savvy newcomers alike will benefit from the **micro**'s valuable feature set:

Ease of use: The OptionFinder® **micro** is specifically designed for intuitive, easy-to-use performance. Participants can answer multiple choice, true/false, and yes/no questions by pushing a single button. Your staff and users will appreciate the simplified design.

Proven performance: The **micro** makes use of patented Frequency Hopping Spread Spectrum (FHSS) technology for secure and reliable interactions. Responses are visually acknowledged in a patented process via a keypad LED display so all participants know their input has been counted.

Class-leading TCO: The new OptionFinder® **micro** offers a superior Total Cost of Ownership experience through low initial acquisition costs and durable, proven manufacturing standards. The molded case is resistant to damage and breakage and the circuitry is designed for long-term reliability. The small size of the **micro** also minimizes shipping and storage costs.

Whether you're looking to expand your interactive options with a new response keypad or to try a response system for the first time, the OptionFinder® **micro** is ready to provide exceptional value and ease-of-use.

Technical Specification for Wireless Keypad Model: **OptionFinder® micro**

Enclosure

- Compact, ultra-durable molded ABS plastic case.
- Dimensions: 3.0" L x 1.5" W x 0.4" H.
- Weight: less than 1 ounce with battery installed.
- Easy to wear with optional lanyard.
- Color: Black.

User Input

- 5 buttons for entering multiple choice responses. Yes/No/Abstain voting is available with the optional Decision Support module for OptionPower® software.
- Entries can be speed scored to 0.05

seconds (50 milliseconds) to identify fastest responders.

Display

Green and red LED lights confirm key presses and successful transmission to the receiver.

RF Technology

Employs specially designed 2.4 GHz frequency hopping spread spectrum (FHSS) transceivers for excellent range, immunity to interference, and security.

Patented and proprietary radio protocol.

- Creates a secure communications network between keypads and their

associated base station.

- User entries are acknowledged when received by the base station (patented feature).
- Operates reliably in the presence of other RF devices (WLANs, PDAs, phones, etc.).
- Integrated error checking discriminates system signals from all other RF traffic to ensure data accuracy and to enhance security.

Internal antenna is protected by the keypad enclosure.

User Identification

Available in standard, 15-channel version

(supports up to 3,750 keypads) or special, 72-channel arena version (supports up to 18,000 keypads) for mass-scale events.

Each keypad has an RF device identity ("address") between 1-250. Addresses can be changed with the optional Director portable programmer.

Each keypad has a unique device serial number which is permanent and is transmitted with every response.

Range

Spread spectrum technology is designed to operate in an indoor area 300 x 300 feet (~ 100 x 100 meters). A room's geometry and RF propagation characteristics will influence the actual range experienced.

Speed

Speed of polling is determined by the base station. Rates are adjustable.

Time stamping is available to identify the order in which keypads respond.

Power and Power Management

Powered by one replaceable lithium cell battery.

- Energy-intelligent keypad powers down after each response to conserve battery life.
- Battery life is ~20,000 responses or battery shelf life, whichever comes first.
- Low battery indicated on display. The keypad can also transmit a low battery alert to the base station.

Communications Security

A proprietary response verification protocol integral to the radio design provides a high degree of signal security.

Frequency hopping and proprietary data communications are additional deterrents to clandestine interception.

Scalability

Firmware resides in high performance microprocessor chips that can be

reprogrammed to facilitate easy upgrade during the life of the product.

Add keypads to an existing system by setting them to unused addresses. No change at the receiver is required when adding same-channel keypads.

Compliance and Patents

FCC, IC, CE certified. Call for details regarding these and other regulatory certifications.

U.S. Patent Nos. Re. 35,449; 5,724,357; 6,021,119; 6,665,000. European Patent No. EP 0 697 773. Other U.S. and foreign patents pending.

Warranty

2 year limited warranty, factory parts and labor.

Receivers: OptionFinder[®] micro USB or OptionFinder[®] G2 940



Controlled by OptionPower[®] software.

Dimensions

USB: 3"W x 0.5" H x 0.9" D
G2: 6.5" W x 2.25" H x 5" D

Unit Weight

USB: less than 1 ounce
G2: 8 ounces

Capacity

250 keypads per channel identity and 15 standard identities allows up to 3,750 keypads per room. The special arena version offers 72 identities to allow for up to 18,000 keypads per room.

Speed

Base station polling cycles are adjustable to optimize speed for group size. For example, a group of 50 keypads can be polled every one-half second, whereas a group of 3,750 can be polled every 2.5 seconds.

Connections

Attaches to the operator's PC via USB port (USB cable included).

Power Source

Powered by computer USB connection with 50 mA current draw.