



OptionFinder® K4

SIMPLE AUDIENCE INPUT IN A PORTABLE FORMAT

The OptionFinder® K4 is a next generation, highly portable response device at an exceptional price. It makes interactive events economical for groups of any size. Seasoned users and savvy newcomers alike will benefit from the K4's valuable feature set:

POWERFUL CAPABILITIES

Participants can provide single or multi-digit input with up to five choices. Your staff and users will appreciate the intuitive design and confirmation of each response.

PROVEN PERFORMANCE

The K4 keypad uses two way radio communications. The LCD display provides confirmation that each response has been received.

COST EFFECTIVE

Low acquisition costs and durable, proven manufacturing standards will enhance your bottom line. The molded case is resistant to damage and breakage and the circuitry is designed for long-term reliability and battery life of one year. The small size of the K4 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® K4 is ready to provide great value and ease-of-use.

Technical Specification for Wireless Keypad Model: OptionFinder® K4

ENCLOSURE

Compact, ultra-durable molded ABS plastic case.
Dimensions: 3.5" L x 1.5" W x 0.4" H.
Weight: less than 1 ounce with batteries installed.
Easy to wear with optional lanyard.
Color: White and blue.

USER INPUT

5 buttons for entering simple or multi digit responses
Numbers (1-5; A-E) plus special key for Send.

DISPLAY

LCD display confirms 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.

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PATENTED AND PROPRIETARY RADIO PROTOCOL.

- Creates a secure communications network between keypads and their associated receiver.
- User entries are acknowledged when received by the receiver (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, including WiFi, to ensure data accuracy and to enhance security.

Internal antenna is protected by the keypad enclosure.

USER IDENTIFICATION

Each keypad has an RF device identity ("address") between 1-400 and a channel identity between 1-80. Keypad channel and address # can be programmed using the base station and OptionPower software. 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 250 x 250 feet (76 x 76 meters). A room's geometry and RF propagation characteristics will influence the actual range experienced.

SPEED

Default speed is 200 keypads per second. Polling rates are adjustable and can achieve ½-second speed in groups of 100 or less.

POWER AND POWER MANAGEMENT

Powered by two 2032 replaceable lithium coin cell batteries. Energy-intelligent keypad powers down after each response to conserve battery life. Battery life is 150 hours of operation. Low battery indicated on display. The keypad can also transmit a low battery alert to the receiver.

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

400 keypads per receiver channel and 80 channels available.

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 simply assigning them to a receiver channel and an available address (can be completed automatically or manually).

COMPLIANCE AND PATENTS

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

WARRANTY

2 year limited warranty, factory parts and labor.

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OptionFinder® K4 USB

DIMENSIONS

USB: 3"w x 0.5"h x 0.9"d
Unit Weight: less than 1 ounce

CAPACITY

400 keypads per channel and 80 channels.

SPEED

Receiver polling cycles are adjustable to optimize speed for group size. For example, a group of 100 keypads can be polled every one-half second, whereas a group of 400 can be polled every 2.5 seconds.

CONNECTIONS

Attaches to the operator's PC

POWER SOURCE

Powered by computer USB connection with 70-130 mA current draw. There is an AC adapter for the full size base station.



OP-M10-OptionFinder K4 Soft Carry Case

Small portable padded black nylon case for storing K4 keypads, base unit and software. Case includes a sturdy carrying handle and built-in mesh pocket to carry software and accessories.

CAPACITY

With base unit OptionFinder USB Stick Receiver, the case holds 50 keypads.

DIMENSIONS

8.5" X11" X 4"

WEIGHT

3 ounces (empty)



OptionFinder® Large Format Base Station

MODEL

K4000T

CONNECTIONS

USB cable or Ethernet
Detachable Antennae
Mounting connection
USB cable and AC Adapter

