



The OptionFinder® G3 lets you harness the wisdom and creativity of your audience with an intelligent, multi-digit response tool. The G3 offers a unique blend of sophisticated input features in a small-footprint, durable and value-oriented keypad.

Use the OptionFinder® G3 at your next event and watch the cost, time and hassle of participant tracking and evaluation disappear. Users can easily switch sessions, rooms and content tracks while using a single keypad. They simply press the Join key in any interactive session and their responses are instantly linked to that presentation. Your post-event data consolidation and review can be simple and quick.

The easy-to-read 11-character display allows participants to quickly handle even large numerical or ranking inputs. The compact OptionFinder® receiver connects via standard USB or ethernet connectors, opening the door for multi-site meetings and distance learning initiatives. The G3 uses a patented license-free communication protocol to achieve superior range, reliability and security.

The G3 is designed for ease of use and longevity. The compact format fits naturally in the user's hand but is not so small that keys are difficult to press. The OptionFinder® G3 boasts a superior tough case and long-lasting keys. Choose the durable G3 now and reduce your likelihood of costly repairs and replacements later.

For sophisticated capabilities in a small package, the OptionFinder® G3 is your clear choice.

Technical Specification for Wireless Keypad Model: **OptionFinder® G3**

Enclosure

- Compact, ultra-durable molded ABS plastic case.
- Dimensions: 5.25" L x 2.2" W x 1" H.
- Weight: 3.9 ounces with batteries installed.
- Color: White/Blue.

User Input

19 keys for entering simple or complex responses. Numbers (0-9) and three customizable soft keys, plus special keys for Send, Alert, Search, Clear and Power.

Display

Two line backlit LCD screen is easy to read

in all lighting conditions. Display shows user entry plus confirms (via patented process) when the base station accepts the keypad's input.

Screen icons show response accuracy and type, battery level, login status, signal strength, link activity and keypad address and channel number.

RF Technology

Employs specially designed 2.4 GHz frequency hopping spread spectrum (FHSS) transceivers.

- FHSS offers 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).
- G3 systems operate 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

The Join key allows each keypad to easily identify itself and change its channel via dynamic addressing to communicate with any session or meeting. Users can easily participate in multiple sessions or activities without the need for manual rostering or attendance verification.

Each keypad has an RF device identity ("address") between 1-500 and a channel identity between 1-31.

Addresses are user programmable. Each keypad has a unique device serial number.

Range

Spread spectrum technology is designed to operate in an indoor area 650 x 650 feet (200 x 200 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 standard AA batteries.

- Keypad powers down after each response to conserve battery life.
- Battery life is ~10,000 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

500 keypads per base station channel identity and 31 identities available for 15,500 keypads per room/site.

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 base station 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.

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.

Receivers: OptionFinder® micro+ USB or OptionFinder® G3



Connects to the presenter's PC through USB or ethernet port. Controlled by OptionPower® software applications.

Dimensions

USB: 3"W x 0.5" H x 0.9" D
G3: 6.25" W x 2.25" H x 5" D

Unit Weight

USB: less than 1 ounce
G3: 9 ounces

Capacity

500 keypads per channel identity and 31 identities allows up to 15,500 keypads per room.

Speed

Base station 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 3,750 can be polled every 2.5 seconds.

Connections

Attaches to the operator's PC by USB or ethernet connection (USB cable included).

Power Source

Powered by computer USB connection with 70-130 mA current draw, or by Power Over Ethernet (POE) using midspan and power injector.

