

# Reply Mini+

## Breakthrough Functionality in a Compact Size

The all-new Reply Mini+ is a small, highly portable response device at an exceptional price. The all-new Reply Plus lets you fully harness the wisdom and creativity of your audience with an interactive, leading edge response device. Audience feedback is more involved than answering a simple yes/no question at a meeting. Groups are now using response systems that are capable of multi-digit input for training, medical education, employee surveys, market research and much more.

Participants can provide multiple choice and single or multi-digit numeric input. They will also be able to link to different meetings with a simple keypad feature. Your staff and users will appreciate the intuitive design and will have fewer questions.

Reply Plus uses breakthrough frequency hopping spread spectrum(FHSS) radio technology to achieve superior range, reliability and security. The system can be used license-free worldwide on the 2.4 GHz band.



## Technical Specification for Wireless Keypad Model WRS7000

### Enclosure

- Moulded ABS plastic case
- Dimensions: 3 in. L x 1.5 in. W x 0.4 in. H
- Weight: 0.8 ounce / 23 grams with battery installed.
- Colour: Black

### User Input

14 keys for entering simple or complex responses..

### Display

Green and red LED lights confirm user key presses and indicate when the Base Station accepts the keypad's inputs.

### 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).
- Permits Plus systems to 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

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

Reply® Mini+ is designed to operate in an indoor area 300 x 300 feet.

## 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 one replaceable lithium coin cell battery.

- 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. An alarm can be enabled to sound when a keypad leaves the coverage area.

## Scalability

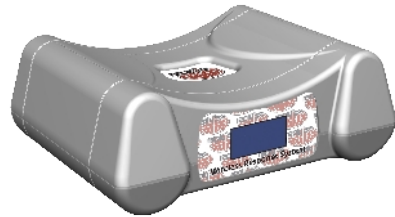
500 keypads per base station channel identity and 31 identities available for 15,500 keypads per room/site. Firmware resides in high performance microprocessor chips that can be reprogrammed to facilitate easy upgrade during the life of the product. Add keypads to an existing system by simply assigning them to a base station channel and an available address (can be completed automatically or manually).

## Reply Mini/Mini+ Keypad Programmer Model WRS960X-T

- A portable device that quickly reassigns Reply® Mini and Mini+ keypad static addresses and RF Base Station identifiers without a PC or software. Also used to toggle Reply® Mini+ address modes.
- Dimensions: 6"L x 2.5"W x 1"D.

## Base Station: Reply Plus Model WRS970

Connects to the presenter's PC through USB or Ethernet port. Controlled by Reply software applications.



**Dimensions:** 6.25" W x 2.25" H x 5" D.

**Unit Weight:** 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 50 mA current draw, or by Power Over Ethernet (POE) using midspan and power injector.

## Reply Plus Base Station Model WRS971

- Base Station in compact USB Stick styling that communicates with Reply® Plus and Reply® Mini+ keypads.
- Dimensions: 3.1"L x .9"W x .57"H.



## 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 and patents pending.

## Warranty

2 YEAR limited warranty, factory parts and labour.