



## Reply® Mini



**Reply® Mini:** The all new Reply® Mini may be small, but it is actually a miniaturised version of the Reply® WW keypad that has led the audience response industry since 2005. This small, highly portable collaboration device enables interactive events to be realised economically for groups of any size.

**Ease of use:** The Reply® Mini is specifically designed with ease in mind. Apart from being easy to use, they provide the same performance as their older brother and can be used by participants to answer all the traditional question types such as: multiple choice, true/false and yes/no questions by pushing a single button. The only limitation being the 5 buttons but since most questions posed are between two and five options the Reply® Mini caters for 90% of most user requirements.

**Proven Performance and Durability:** The Reply® Mini 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. The moulded case is resistant to damage and breakage and the circuitry is designed for long-term reliability. The small size of the Reply® Mini also minimises shipping and storage costs and is ideal for use in events that have to be travelled to.

## Technical Specification for Wireless Keypad Model: Reply® Mini

### Enclosure

- Compact, ultra-durable moulded ABS plastic case
- Dimensions: 7.6cm L x 3.8cm W x 1.0cm H
- Weight: less than 23 grams with battery installed
- Colour: Black

### 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.

### User Input

5 buttons for entering multiple choice responses. Yes/No/Abstain voting is available with the optional Decision Support module for Softvote™ software. Entries can be speed scored to 0.05 seconds (50 milliseconds) to identify fastest responders.

### Display

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

### RF Technology

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

- FHSS offers an optimal 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 enhance security. Internal antenna is protected by the keypad enclosure



### 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.

### Capacity

250 keypads per Base Station 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

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. Adding keypads to an existing system requires them to be set to unused addresses. No change is required on the Base Station 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 years limited warranty, factory parts and labor.

## Base Station: Reply® Mini

### Reply® Base Station Model CRS941



#### Dimensions

7.9cm W x 2.3cm H x 1.4cm D

#### Speed, Connections, Power Source

Same Performance characteristics as CRS 940

### Reply® Base Station Model CRS940

#### Dimensions

16.5cm W x 5.7cm x 12.7cm

#### Unit Weight

227 grams



#### Capacity

250 keypads per channel identity

- Stock version: 15 identities allows 3,750 pads per room
- Arena version: Up to 72 identities allows up to 18,000 pads per room

#### Speed

Base Station polling cycles are adjustable to optimize speed to 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 in parallel every 2.5 seconds.

#### Connections

Attaches to the operator's PC by USB connection. (USB cable included). Creates a virtual com port on the PC.

#### Power Source

Powered by computer USB connection with 50 mA current draw.



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Reply® Solo	Reply® Mini	Reply® Mini USB Base Station	Reply® WorldWide	Reply® WorldWide Base Station	Reply® Mini+	Reply® Mini+ USB Base Station	Reply® Plus	Reply® Plus Base Station	Reply® IQ	Reply® IQ Base Station	Reply® Ativa