

# Reply® Solo



Turn any location into an interactive meeting site

*Frequency Hopping Spread Spectrum for superior range, security, and speed*

*Works with popular Reply® (Worldwide) Wireless Keypads and other custom Fleetwood systems*

## Description for

### Reply® Solo Handheld Wireless Base Station Model WRS960X

The Reply® Solo Model WRS960X is a compact, handheld base station that processes multiple choice responses from a Reply® wireless response system's keypads using the Reply® (Worldwide) communications format. Reply® Solo is a unique product because a separate PC and polling software are not required to conduct an audience polling session. Reply® Solo allows audience response activities to be conducted in virtually any location – indoors or outdoors – without the need for electricity, computers, and special projection equipment. However, if those additional devices are available, Reply® Solo's capabilities and value increase. A Reply® Solo solution is intended as a supplement to, not a replacement for, traditional group audience response methods that commonly employ a PC, polling software, and large format display devices during large group and/or complex polling activities. Each audience response method serves its purpose...and the purpose of the Reply® Solo system is to take interaction literally *anywhere*.

## Technical Specifications for Model WRS960X

### Enclosure

- Compact enclosure constructed of rugged ABS plastic.
- Dimensions: 5.7"L x 2.8"W x 0.9"H.
- Weight: 4 ounces, without batteries. (Add 1.4 ounces for 3AAA batteries.)

### Operator Interface

#### Keyboard:

- Consists of 23 keys placed in operating zones. Keys are also shaped and colored to further distinguish their purposes.
  - “Major function” keys (Main, Query, Graph, Grid) are shaped and colored differently than the other input keys.

- “Soft” keys directly below the LCD are used to select menu navigation functions displayed on the LCD.
- “Numeric” input keys plus Power On/Off and Help keys.
- “Polling” keys (Start and Stop) for voting activity control.

#### Display:

- Large 132 x 64 graphics LCD displays a variety of information.
  - Shows impromptu question type options.
  - Displays predefined questionnaire text.
  - Graphs bar chart results of group's response to questions.
  - Identifies right/wrong/abstain responses of each participant.
  - Additional displays include help menu, system configuration, and system diagnostics.
- [Optional] TV Output using NTSC and PAL/SECAM formats.
  - Permits connection to television, monitor, or projector.
    - o Presents a mirrored image of the handheld Base Station's display to the audience.
    - o Video cable included.

### Questionnaire Capabilities

- Supports up to 99 multiple choice questions per session.
  - Impromptu questions require no preparation.
    - o Select from multiple choice formats including A-E, 1-5, Yes/No, Yes/No/Abstain, Yes/No, Don't Know, Agree/Disagree (various scales), True/False, and “soft key”.
  - Predefined questions require a PC software utility program\* to format questions offline.
    - o Up to 12 lines of text, 20 characters per line.
  - Predefined questions are loaded onto the Base Station via a USB flash drive (“USB stick”)\*\*.
    - o USB drive is not included. See Reply® Solo operators manual for a list of supported drives.
- Questionnaire results may be viewed as:
  - A graph of group response.
    - o Each bar graphed can show number of respondents and percentage of the total group.
  - A grid of individual responses.
    - o Grid shows whether individual keypads responded, and if so, each one's response selection and its correct/incorrect status.
- Questionnaire results are stored in the Handheld Base Station's memory. They may also be saved to a USB stick\*\*.
  - Saved results may be transferred to a PC for further analysis and reporting functions by available software utility programs\*.

## RF Technology

- Two-way radio design uses eligible *license-free/license-exempt* frequencies to:
  - Process user inputs from Wireless Keypads.
  - Send control information to Wireless Keypads.
  - Transmit acknowledgments of entries to each Keypad.
- Employs a Fleetwood-engineered 2.4 GHz *frequency hopping* spread spectrum (FHSS) transceiver.
  - FHSS offers excellent range, immunity to interference, and security.
- Communicates using a *patented* and *proprietary* radio protocol.
  - Creates a secure communications network between the Base Station and its associated Wireless Keypads.
  - Wireless Keypad user entries are acknowledged when received by the Base Station. *This message acknowledgment is just one of the many patented features of Reply® systems.*
  - Permits Reply® 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 enhance security.
- 15 channel identities are available to provide installation flexibility.
- High performance internal antenna is protected by the enclosure.

## Range

- System is designed for 300 foot range during open air operation.
- A room's geometry, its radio propagation characteristics, and its proximity to RF interferers will influence actual range experienced.

## Speed

- 50 keypads can be polled in ½ second.

## Power Supply

- Powered by 3 x AAA replaceable alkaline batteries (not included).
  - Up to 40 hours of continuous operation.
  - Battery level is indicated on display.

## 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 keypads of the same channel.

## Compliance and Patents

- FCC, IC, CE certified. Call for details regarding these and other regulatory certifications.
- U.S. Patent Nos. Re. 35,449 and 5,724,357. European Patent No. EP 0 697 773. Other US and foreign patents and patents pending.

## Warranty

- 2 YEAR (limited warranty, factory parts and labor). Call for details.

## System Configuration

A basic Reply® Solo system consists of...

- One Reply® (Worldwide) Wireless Keypad per participant
- One Reply® Solo Base Station per 50 keypads of the same radio channel in a room. [Other Reply® Base Station models that operate with Model CRS5200 wireless keypads can process responses up to 250 keypads per Base Station and >5,000 users per room. Contact Fleetwood for more details on other Reply® (Worldwide) systems.]

\*Optional accessories (purchased separately) include PC software for formulating pre-defined questions, base station and keypad carrycases, and more.

The system is very simple to use and requires no formal training. However, if desired, personal training, on-site technical support, and other 'for fee' services are extra.

## Additional System Components

### \* Questionnaire Software



An easy to use software utility that prepares questionnaires for Reply® Solo. The utility also generates reports from session data stored on Reply® Solo. Purchased separately.

### \*\* Flash Drive



USB flash drives, also known as "USB sticks", are required if users wish to preprogram questionnaires and transfer Reply® Solo session results to a PC for further analysis. Purchased separately. Contact Fleetwood for information about supported drives.

### Wireless Keypads



CRS 5000-series wireless audience response keypads operate with Reply®



Solo and Reply® (Worldwide) base stations. Refer to Reply® (Worldwide) Technical Specifications for more information. Purchased separately.

### Carrycases



A variety of soft and hard sided cases are available to tote, ship, and/or store Reply® Solo Base Stations and Reply® (Worldwide) Keypads. Refer to Accessories Price Sheet for more information. Purchased separately.

## Pricing

Suggested resale prices are available at [www.replysystems.com](http://www.replysystems.com). Quantity and industry partner discounts are available through our preferred resellers.



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