Reply WW Audience Response System
User Manual

Model CRS940 Base and CRS5200-E/M Keypads
Frequency 2.4 GHz

The Reply WW Model CRS5200-E/M keypads are wireless portable devices that along with a base unit Model CRS940 makes it possible for a number of people to participate interactively in either a small or large group situation. The product accomplishes this by sending keypad switch closure information from the keypad to the base unit employing a wireless transceiver to receive the keypad signal. These signals are processed by the base unit and delivered to a host computer which allows the responses to be stored, analyzed and if desired displayed on a video projector for feedback to the group showing the results of their participation.

The Reply WW keypads are housed in black plastic enclosures similar in appearance to a small TV remote control device. They are powered by 2 AA battery cells, eliminating external wires or connections. The CRS5200-M keypad uses a membrane switch panel for numeric entry; the CRS5200-R keypad uses rubber-key contact panel for numeric entry. Both keypad models utilize a 7-segment display for entry confirmation indication for the user.

The system operates on the 2.4 GHz frequency band using frequency hopping spread spectrum. In Canada, to prevent radio interference to any licensed service sharing this band, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

> *"This device complies with Part 15 of the FCC Rules and RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device. The user is cautioned that changes or modifications to the device that are not approved by the manufacturer could void the user's authority to operate the device."*

System Setup
1. Unpack the CRS940 base unit and set it on a table or available surface in the vicinity of where the CRS5200-E/M keypads will be used.
2. Plug the USB DC power/data cable into an available USB port on a PC; plug the other end into the USB port on the CRS940 base.
3. Open the carrying case(s) containing the response keypads and distribute them to the participants.
4. Turn on the computer and start the application software to control the base unit to poll for keypad responses. The application software will have its own instructions for using the system.

Operation
1. Instruct the participants on the usage of the response keypads and procedure for responding.
2. Ask a question and/or send prompts from the base unit for keypad LED display and allow enough time (at least 10 seconds) for all participants to respond. A self pace testing mode is also available.
3. Observe the results on the screen and optionally save the results for later analysis if desired.
4. Proceed and repeat the process for the next question.
5. Continue until all questions are completed.
6. Analyze the responses for the period and run printouts if desired.

System Shutdown
1. Turn off the power to the computer.
2. Unplug the USB cable from the computer and store it in its carrying case.
3. Store the CRS940 base in the carrying case.
4. Collect the CRS5200-E/M keypads and return them to the carrying case(s).
5. The system is now ready for transporting.

Notice

The base and keypad units may be susceptible to Electrostatic Discharge (ESD) and other similar fast transient events causing system interruption. Should system interruption occur, reboot computer, reset base unit by disconnecting and reconnecting USB cable and push any key on keypads which have powered down.