

Reply Mini+ INFORMATION SHEET

1. Enclosure

- Moulded ABS plastic case
- **Dimensions:** 77 x 38 x 10mm (L x B x H)
- **Weight:** 23g with batteries
- **Colour:** Black
- Bail for lanyards

2. User-Identification:

- Each keypad has an RF device ID between 1 and 500 and channel identity from 1-31
- Keypad ID can be changed via software and/ or on the actual keypad.
- Each keypad has a unique serial number
- The address and serial numbers both are transmitted with each keypad's response.

3. User Input

- 14 Elastomeric keys for entering simple or complex responses.
- 10 Numeric keys (0-9)
- The Send, Raised hand, Asterisk, and Link buttons to provide bonus functions.

4. Display

- Green and red LEDs which validates when a vote has been received by the base station

5. Power and Power Management:

- Powered by 1 replaceable lithium coin cell battery
- Keypad powers down after each response to conserve battery life
- Battery life is approximately 20,000 responses or battery shelf life, whichever comes first
- The keypad can transmit a low battery alert to the base station



Reply Mini+
Actual size

6. RF Technology

- Supports up to 31 channels
- Employs specially designed 2.4GHz Frequency Hopping Spread Spectrum (FHSS) transceivers.
- Integrated Wi-Fi avoidance
- Uses FSK (Frequency Shift Keying) to ensure data accuracy
- **Speed:** 500 keypads per base station within less than 2 seconds
- **Range:** Depending on room constellation up to 90m x 90m
- Internal antenna is protected by the keypad enclosure

7. Security:

- Patented and proprietary radio protocol creates secure communications network between keypads and base stations
- Base station sends acknowledgement to the keypad when vote is received
- Works reliably within other 2.4GHz environments like Wi-Fi, PDA or mobile networks by using 4 dispersive channels at the same time
- Integrated error checking discriminates system signals from all other RF traffic to ensure data accuracy and to enhance security.

8. System size:

- To achieve the best speed, one base station is limited to 500 Keypads
- Standard configuration allows 15,500 keypads for one event