

GONSIN

BJ-W3

Wireless Voting System



Gonsin Digital Conference Equipment Co.,Ltd.

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Wireless Voting System

The BJ-W3 wireless voting system collects responses from an audience using radio frequency data communication, offering a portable and high performance solution for electronic voting applications including large-scale convention and mission-critical parliament session.

The system can accommodate YES/NO/ABSTAIN voting, YES/NO questions, 0-100 numeric grading, audience response and opinion polling. With the press of a button on the remote voting unit, BJ-W3 allows you to receive instant feedback from a group of participants at any one time. Results can be viewed or printed for fast analysis of who voted and how they voted. Attendance can be registered by pressing REG key or inserting IC card.

System software is required to manage voting data collection. The system on one base station unit basically supports up to 200 voting units, and can be expanded to 4000 voting units with additional base station units.



Main Features

- Integrated chip card reader to control access and identify delegates
- LCD display of unit/channel number, signal strength, battery level, reg & voting info
- All votes are counted automatically within seconds
- Immediate display of results once the votes have been collected
- Voting results are automatically stored in the database and cannot be altered
- Up to 24 operating frequencies can be selected
- 433 MHz frequency band
- Up to 19,200 bps data rate
- Transmit range up to 300 metres
- Stable working range 150 metres
- GFSK data modulation
- Listen-before-transmit technique
- Frequency selection and channel switching technique
- Data error correction & frequency offset calibration
- Real time testing of on-site radio signal
- Automatic data encryption
- Automatic online troubleshooting

BJ-W3

Wireless Voting Unit

- YES/ABST/NO keys for voting
- +/- keys for numeric grades 0-100
- REG key for attendance registration
- Back-lit 34x22mm LCD screen
- Ultra low power microprocessor
- Integrated chipcard reader
- Powered by 3 x 1.5V AAA batteries
- Battery life: 39 hours continuous operation
- Power is turned on via ON switch
- Power is turned off via system software
- Energy-saving sleep mode
- Low battery beep alarm
- Transmit power: <10mW
- Power consumption: <0.2W
- Sensibility: -121dBm
- Keypad life: continual keypress 100000 times
- Operating temperature: -20°C to +50°C
- Built-in antenna
- Dimensions: 160×51×27.5 mm (L*W*H)
- Weight: 0.13 kg (excluding batteries)



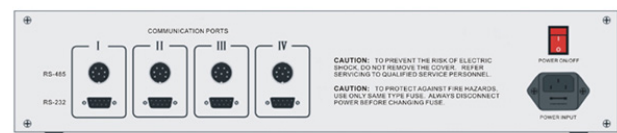
ZJ-W3 Base Station Unit

- Power ON/OFF switch and indicator
- Selector switch for A/B channel operation
- RS232/RS485 interfaces for smaller & larger system
- Antenna connectors for A/B channel
- Test comm interface and test antenna connector
- Communication interfaces: aviation connector
- Power supply: 9VDC, 0.5A
- Transmit power: 5-200mW, standard 10 mW
- Dimensions: 290×290×65 mm (L*W*H)
- Operating temperature: -20°C to +50°C
- Weight: 1.7 kg
- Tripod mounting or tabletop stand-alone
- Antennas included:
small size 120mm high, medium size 880mm high



ZJ-K1 Central Control Unit

- Controls up to 4 base station units
- Provides power supply to base station units
- Power supply: input: 220VAC 1A, 50Hz
output: 12VDC
- RS232/RS485 communication ports
- Operating temperature: -20°C ~ +50°C
- Dimensions: 483×287×90mm (L*W*H)
- Weight: approx. 2.0kg
- 19" rack mounting or tabletop stand-alone



GX-770 IC Card Writer

- Smart card reader/writer
- Interface type: USB
- Encodes delegate ID-cards
- Speed: <0.2 sec



BL7442 IC Card

- Smart card with a unique 32-bit serial number
- Different password can be preset via software
- Operating temperature: -20°C to 85°C
- Rewrite time: >100,000 times
- Life time: >10 year
- Material: PVC
- Dimensions: 85.6x53.98x0.8 (LXWXD)



System Configuration Diagram



Conference Management Software V4.0

The following software modules are included

- Venue management
- Seating arrangement
- Conference management
- Delegate management
- IC card management
- Screen display
- Agenda management
- Registration management
- Motions management
- Voting management
- Microphone management
- Video management
- Video camera tracking
- Audio/video recording
- Reports management

