GONSIN

Delivering Trust & Value

Daya

DSSS Wireless Voting System

Delivering Trust & Value

DSSS Wireless Voting System

- Innovative Technology
- Stable Capability
- High–speed Voting Result

System Summarization

BJ–W4 Utilizes DSSS (Direct Sequence Spread Spectrum) wireless communication technology, which performs the whole voting process with strong anti–jamming capability and high secrecy to ensure data confidentiality. The obvious advantage is that the system always keeps communicating in the frequency band without any interference to operate steadily. It is easy to use the system , without needing to lay out any cables, and the software is very easy to operate.

System Features

- Utilize DSSS (Direct Sequence Spread Spectrum) wireless communication technology
- Unique function of automatically selecting frequency channel insures the system to operate stably
- 128bit AES encryption technology to ensure data confidentiality
- Transmission without direction and no interference of wireless devices
- Ethernet–based communication transmission
- High–speed data acquisition for voting
- Vast system capacity is up to over 10,000 voters
- Easy mobility, storage and system expansion

System Function

- Registration Function.
- Voting, Electing, Appraising, Grading.
- Supplement of voting authority.
- Instant replacement of voting units.

DSSS Voting Unit BJ-W4

Attendees can use the wireless voting pad BJ–W4 to sign in (by inserting card, Key–press and Supplemenary registration), to vote (YES / NO/ ABSTAIN or the method that the software automatically defines), to evaluate (satisfied, basic satisfaction, dissatisfied, Abstain, or competent, basic competance, incompetant, Abstain or the method that the software automatically defines), to elect (electing N out of M), to grade (0~100 points). The system can atuomatically calculate the result of voting, election and evalation and show them on the LCD screen, projector screen and electronic whiteboard etc. The result can be printed or recorded on CD.

Features

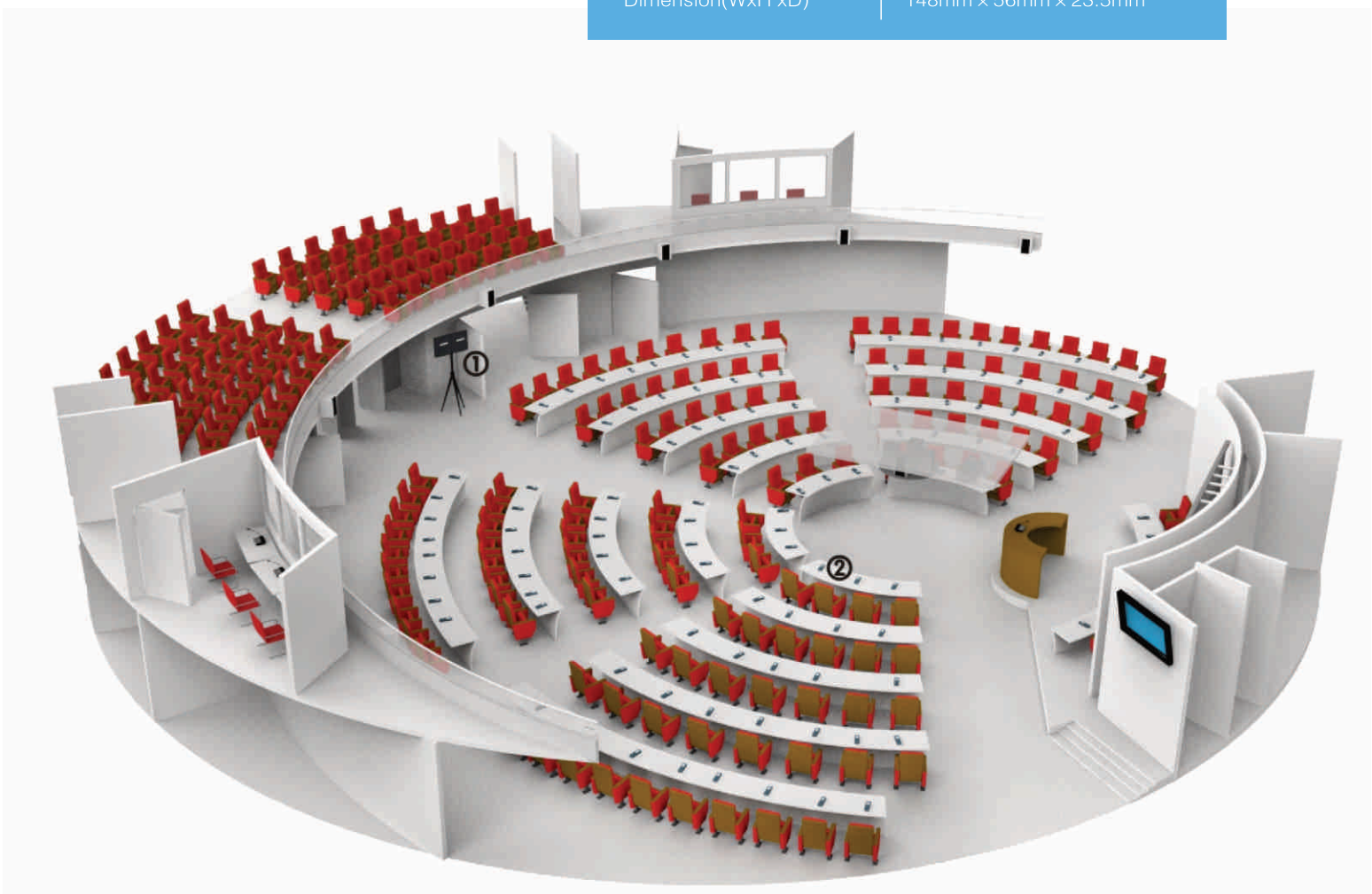
- Automatic alarm when the system is faulty
- Automatic memory of voting result when power cut off
- Low power consumption, low emission power
- Isolated touch switch, anti–30000V electrostatic interference
- Powered by 3.7V rechargeable Lithium–ion battery, low battery alarm
- Anti–violation and dropping

Functions

- Attendance registration: inserting card, key–press and supplementaly registration;
- Voting: YES/NO/ABSTAIN, First Key–press voting and Dynamic voting
- Election: elect one or more out of N candidates, has ‘Competitive election’ and ‘Equal number election’
- Evaluation: 4 keys evaluation. ‘Good’, ‘Fair’, ‘Poor’ and ‘Abstain’
- Grading: score on a certain issue(0~100 points), YES key for points adding, NO key for points decreasing
- LCD dynamic display of the voting process

Technical Specifications

Frequency range	2.4~2.48GHz
Sensitivity	−121dBm
Channel transponder	16 selectable channels
Communicating method	10mW wireless communicating, confidentiality protocal+multi−examination
LCD screen	34mm × 22mm; FSTN back−lit; 96 × 64 dot−matrix display
Battery type	3.7V rechargeable Lithium−ion
Stable communicating distance	50m
Operating temperature	0~45℃
Storage tempefrature	−20~50℃
Package	Aluminum carrying case
Net Weight (without battery)	0.13kg(0.29lbs)
Dimension(WxH xD)	148mm × 56mm × 23.5mm



① DSSS Control Unit ZJ−RFB01
② DSSS Voting Unit BJ−W4

DSSS Control Unit ZJ-RFB01

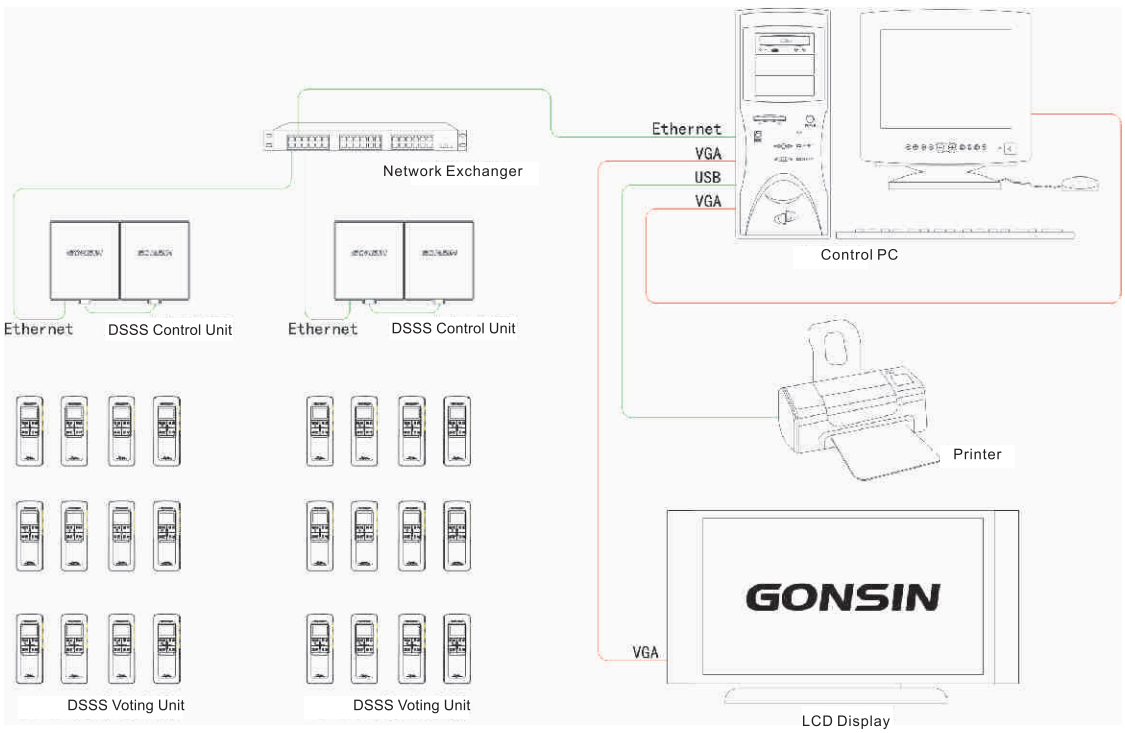
Features

- Communicating antenna with high–gain
- Communication with stability and reliability
- The system can support over 10,000 voting units
- Easy installation, suitable for different conference venues

Technical Specifications

Frequency range	2.4~2.48GHz
Modulation mode	DSSS
Power	DC 9V/2.5A
Communicating method	Ethernet
Stable communicating distance	⩾100 m
Network interface	10/100M
Cable type	6 pins dual core–twisted cable which can reach up to 50 meters

① DSSS Control Unit ZJ–RFB01
② DSSS Voting Unit BJ–W4



Connecting Drawing for DSSS Wireless Voting System

Charging Case GX-20

As an important port of the system, the charging Case is especially designed to recharge voting units. Please insert directly the voting units to the recharging seat when the power of the voting units shows lower, the recharging will start. One case has 20 recharging seats with 20 separate power supplies. The power will automatically switch off just upon the recharging is over.

Features

- Designed for charging and storage
- Can accommodate 20 receivers
- LED indication on charging status
- Microprocessor–based unit with smart charging circuit
- Automatic recharging when detection of low power
- Designed as portable aluminium case , easy to move.

Technical Specifications

Power supply	AC110V/220V
Charging time	About 10 hours
Charging Indication	LED
Net weight(excluding receivers)	6.65kg(14.66lbs)
Dimensions(W x H x D)	590mm x 180mm x 300m
Working Temperature	0 ~ 45℃
Storage Temperature	–20 ~ 50℃