

GONSIN

TL-VCB6000

Digital Conference System



Gonsin Digital Conference Equipment Co., Ltd.

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TL-6000 series **Digital Conference System** **FEATURE CHART**

Model # Feature	TL-VD 6000	TL-VX 6000	TL-VDB 6000	TL-VXB 6000	TL-VDC 6000	TL-VXC 6000	TL-VDCB 6000	TL-VXCB 6000
Central Unit	TL-Z1	TL-Z1	TL-ZB1	TL-ZB1	TC-Z1	TC-Z1	TC-ZB1	TC-ZB1
English Version	✓	✓	✓	✓	✓	✓	✓	✓
Spanish Version	✓	✓	✓	✓	✓	✓	✓	✓
French Version	✓	✓	✓	✓	✓	✓	✓	✓
Russian Version	✓	✓	✓	✓	✓	✓	✓	✓
Priority Button		✓		✓		✓		✓
Microphone	✓	✓	✓	✓	✓	✓	✓	✓
Voting Buttons			✓	✓			✓	✓
Channel Selectors					✓	✓	✓	✓
LCD Screen	✓	✓	✓	✓	✓	✓	✓	✓
Loudspeaker	✓	✓	✓	✓	✓	✓	✓	✓
PHONE Jack	✓	✓	✓	✓	✓	✓	✓	✓
REC Jack	✓	✓	✓	✓	✓	✓	✓	✓
Volume Control	✓	✓	✓	✓	✓	✓	✓	✓
Chipcard Reader	✓	✓	✓	✓	✓	✓	✓	✓
LED Ring	✓	✓	✓	✓	✓	✓	✓	✓
Pluggable Stem	✓	✓	✓	✓	✓	✓	✓	✓
Windshield Foam	✓	✓	✓	✓	✓	✓	✓	✓
8-pin Cable	✓	✓	✓	✓				
13-pin Cable					✓	✓	✓	✓
Camera Tracking	✓	✓	✓	✓	✓	✓	✓	✓

TL-VCB6000

Digital Conference System

GONSIN TL-VCB6000 digital conference system offers a multi-functional conferencing solution that combines microphone management, delegate discussion, digital voting, language interpretation, attendance registration, chipcard reading, chairman priority, LCD display, built-in loudspeaker, headphone listening, video switching, camera tracking, digital recording and software control.

The basic system on a central control unit supports up to 60 delegate units, and can be expanded to 200 delegate units with additional extension units. 1 chairman unit & 10 vice-chairman units can be used in a system. Multiple control units can be cascaded together to support a system of up to 1000 delegate units.

The system can seamlessly interface with GONSIN IR or DSSS language distribution system to provide simultaneous interpretation for additional participants.

When the system runs without PC/software control

- Efficient microphone management with excellent sound quality
- Chairman/vice-chairman units can be active at any time
- Chairman unit can override/mute all the active delegate units
- 1/2/3/4 delegate microphones can be active at the same time
- Six language channels for simultaneous interpretation
- LCD display of conference and user-related information
- Up to 4 dome cameras can be supported to track the speaking delegate
- Three selectable microphone modes are available for delegate discussion:
 - OPEN** - allows to select the number of delegate microphones from 1 to 4 which can be simultaneously active. The delegate microphones more than the preset number cannot be activated and are unable to register a request to speak.
 - FIFO** - allows to select the number of delegate microphones from 1 to 4 which can be simultaneously active. On a FIFO (first in first out) basis, any delegate can override another delegate simply by activating the microphone, but cannot override the chairperson.
 - OPERATOR** - allows to select the number of delegate microphones from 1 to 4 which can be simultaneously active. Up to 8 delegates more than the preset number can register a request and wait to speak, and can be switched off manually to cancel the request.

When the system functions with operator/software control

- Any delegate unit can be preset as vice-chairman unit
- Efficient microphone management with excellent sound quality
- Operator control over delegate request-to-speak list
- Chairman/vice-chairman units can be active at any time
- Chairman unit can override/mute all the active delegate units
- 1/2/3/4 delegate microphones can be active simultaneously
- 6 language channels for simultaneous interpretation
- Delegate speaking time limit can be preset or controlled by operator
- LCD display of conference and user-related information
- Attendance registration using IC card or microphone button
- Dynamic registration mode and countdown registration mode
- LCD display of conference and user-related information
- Up to 4 dome cameras can be supported to track the speaking delegate
- HDD and CD recording can be done via PC/software
- Different voting types and options:
 - Parliamentary voting, ordinary election: YES / NO / ABST
 - Quick election: 1/2/3/4/5
- Dynamic voting mode or countdown voting mode
- First keypress valid mode or last keypress valid mode
- Voting results can be stored or printed out via PC
- Three microphone modes are available for delegate discussion:

Request to Speak - allows to set the number of simultaneous active delegate microphones from 1 to 4. The delegate microphone cannot be activated until a registered request is allowed by the operator.

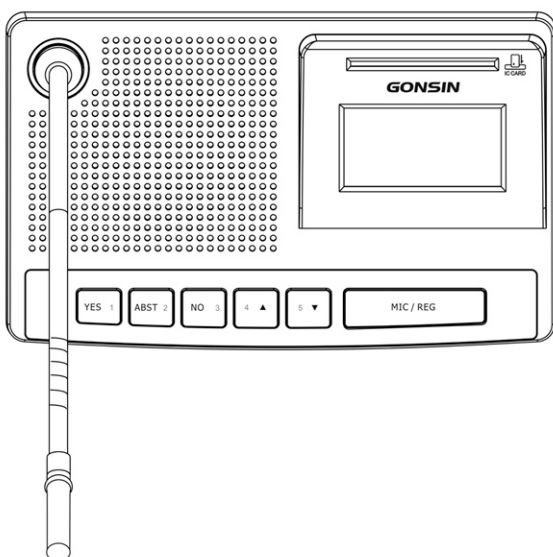
Wait to Speak – the first delegate to push the MIC button gets the floor and the other delegates have to wait in queue. Only one delegate is allowed to speak at one time.

Free to Speak – the first 4 delegates who request to speak can push to talk freely. The next one cannot be active until the last one is turned off.

TL-VDCB6000

Delegate Unit

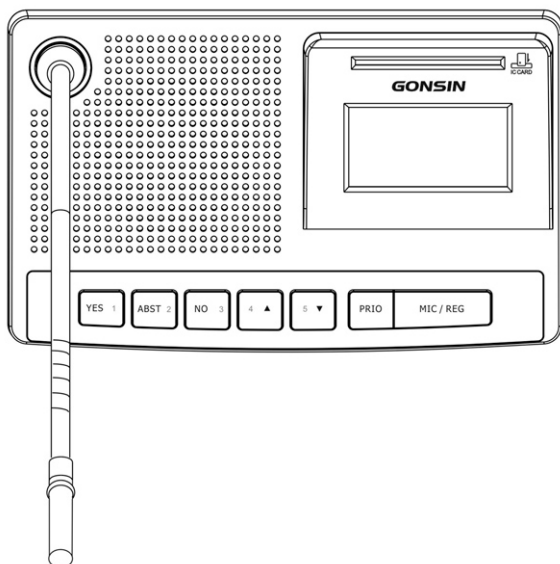
- Push button for attendance registration & MIC on/off
- Up/down buttons for language channel selection
- YES/ABST/NO, 1/2/3/4/5 numeric buttons for voting
- High quality unidirectional electret condenser microphone
- LED red ring luminant to identify active microphone
- Pluggable gooseneck microphone stem
- Built-in 2W/8Ω loudspeaker w/ level control
- 3.5 mm jacks for headphone & recording w/ level control
- Loudspeaker is turned off when MIC is on or phone is plugged in
- 65x32mm back-lit LCD screen
- Built-in chipcard reader for user identification
- Supports automatic video camera tracking
- Frequency response: 50-18k Hz
- S/N ratio: -95dB/1mV
- Sensibility: -46±4dB
- Power input: 24V DC
- Pick-up range: up to 60 cm
- Standard stem length: 425 mm
- Dimensions: 205×60×130mm (W×H×D)



TL-VXCB6000

Chairman Unit

- Push button for attendance registration & MIC on/off
- Priority button to override/mute delegate units
- Up/down buttons for language channel selection
- YES/ABST/NO, 1/2/3/4/5 numeric buttons for voting
- High quality unidirectional electret condenser microphone
- LED red ring luminant to identify active microphone
- Pluggable gooseneck microphone stem
- Built-in 2W/8Ω loudspeaker w/ level control
- 3.5 mm jacks for headphone & recording w/ level control
- Loudspeaker is turned off when MIC is on or phone is plugged in
- 65x32mm back-lit LCD screen
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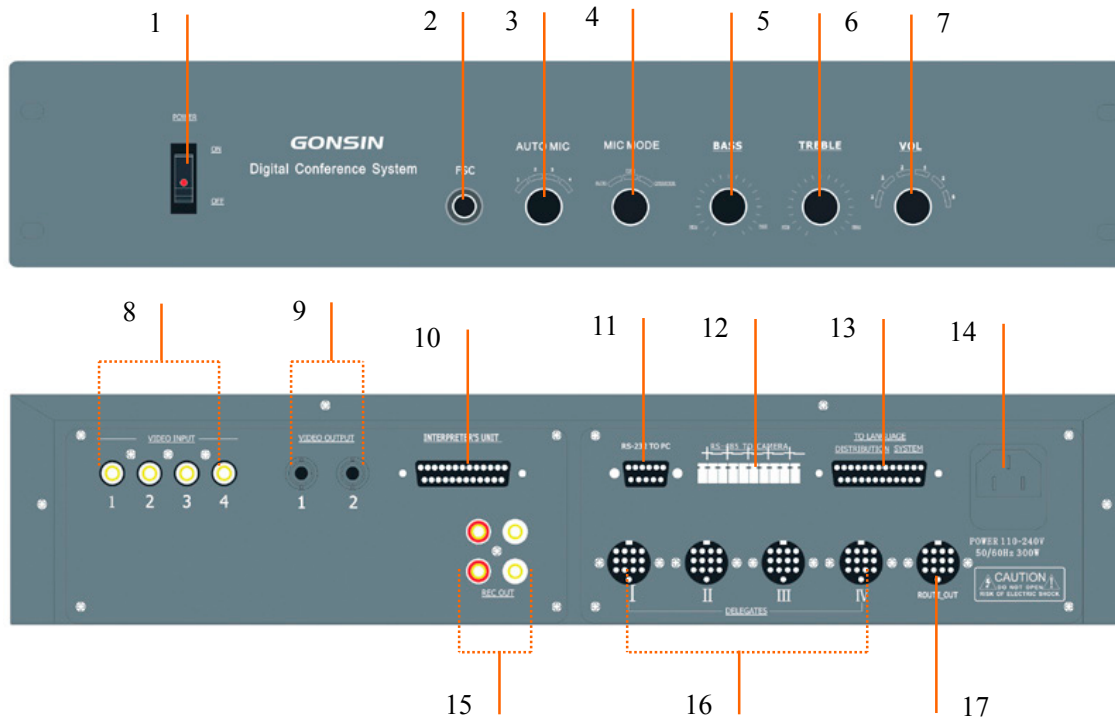


TC-ZB1

Central Control Unit



- Master control & power supply unit with 19" rackmount chassis
- VOL (AUDIO OUT), TREBLE, BASS level control
- 3 microphone modes can be selected on the front panel
- 1/2/3/4 delegate microphone limit can be preset
- FSC function to prevent acoustic feedback
- Simultaneous active delegate units can be preset
- Connects delegate units in up to 4 lines (13-pin connectors)
- Each line connects up to 15 delegate units
- DB25 connectors for interpreter unit & IR/DSSS system
- 13-pin connector for system extension unit
- RS-232 port for computer control
- RS-485 port for dome camera control
- Built-in automatic video matrix switcher
- Compatible with Pelco-P9600 and Sony-VISCA protocol
- 4 BNC sockets for AV input: 1Vpp 75Ω
- 2 RCA sockets for AV output: 1Vpp 75Ω
- RCA recording audio outputs: 0-2.8Vpp
- AC power requirement: 220V/50Hz or 110V/60Hz
- Maximum power: 300W
- Frequency response: 50-18000 Hz
- S/N ratio: -95dB/1mV
- Distortion at 1kHz: < 0.3%
- Operating temperature: -20 to 50°C
- Dimensions: 423×90×320mm (W×H×D)



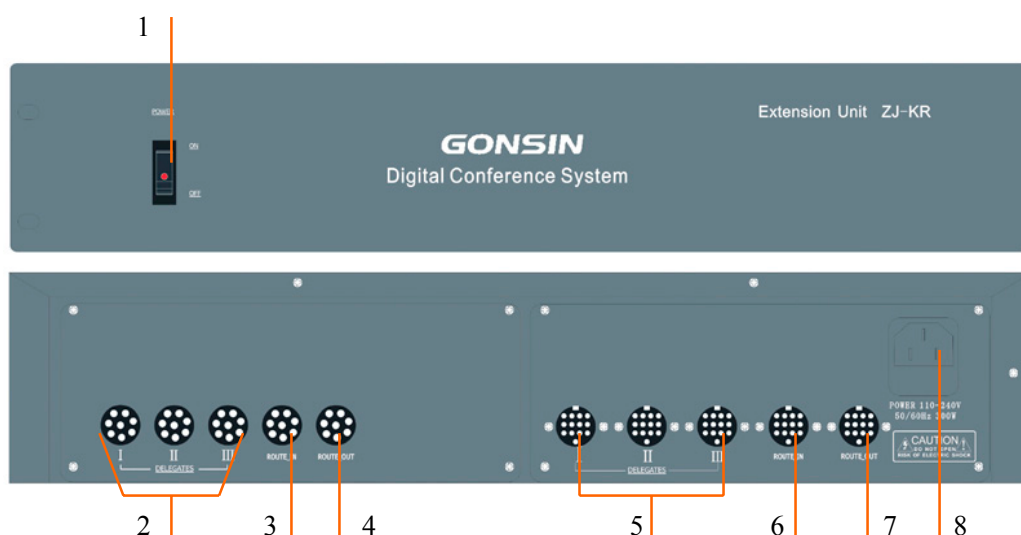
FRONT PANEL		
1	POWER	Switch for power on/off
2	FSC	Frequency shift function to prevent acoustic feedback
3	AUTO MIC	Selection of 1/2/3/4 active delegate microphones
4	MIC MODE	Selection of 3 microphone modes: AUTO / FIFO / OPERATOR
5	BASS	Bass level control
6	TREBLE	Treble level control
7	VOL	AUDIO OUT (REC OUT) level control
REAR PANEL		
8	VIDEO INPUT	4 RCA inputs for video signals
9	VIDEO OUTPUT	2 BNC outputs for video signals
10	INTERPRETER UNIT	DB25 connector for interpreter unit
11	RS-232 TO PC	RS-232 port for computer control
12	RS-485 TO CAMERA	RS-485 port for camera control
13	TO LANGUAGE DISTRIBUTION SYSTEM	DB25 connector for additional IR/DSSS transmission system
14	POWER INPUT	Power supply input socket (220V/50Hz or 110V/60Hz)
15	REC OUT	RCA audio outputs for recorder, mixer, amplifier, etc.
16	DELEGATES	13-p DIN connectors for delegate units in 4 lines
17	ROUTE B	13-p DIN connector for extension control unit

ZJ-KR

Extension Unit

The ZJ-KR extension unit can support 45 to 60 delegate units in 3 or 4 lines. It connects the central control unit via a 13P2-01 expander cable. Multiple extension units can be cascaded together to expand the system to 200 delegate unit.

- Power Supply: 220V/50Hz or 110V/60Hz
- Maximum Power: 300W
- Working Temperature: -20℃ to 50℃
- 19" rackmount case dimensions: 423×90×320mm (W×H×D)



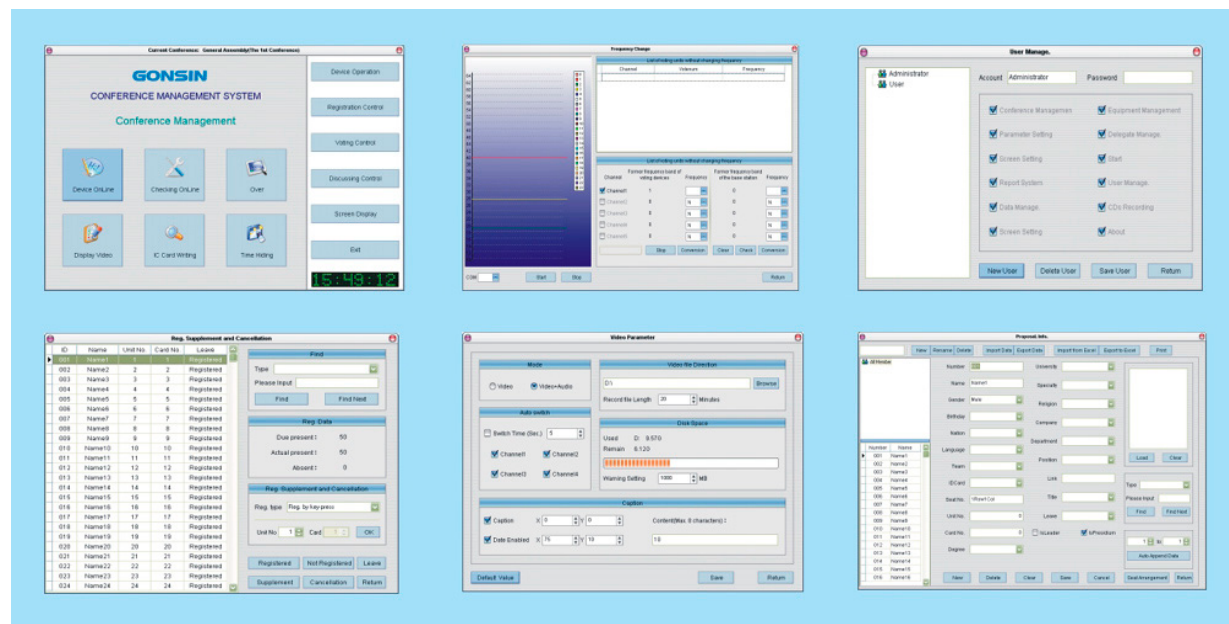
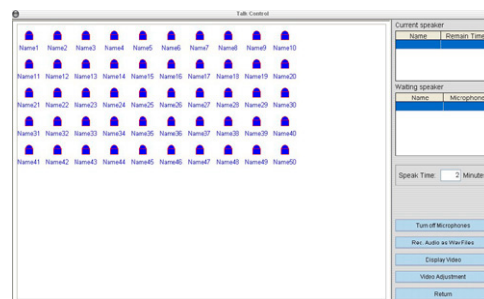
FRONT PANEL		
1	POWER SWITCH	Switch to turn on/off the power
REAR PANEL		
2	DELEGATES	8-pin connectors for delegate units in 3 lines
5	DELEGATES	13-pin connectors for delegate units in 3 lines
3/6	ROUTE B IN	8-pin/13-pin connector for extension unit
4/7	ROUTE B OUT	8-pin/13-pin connector for extension unit
8	POWER INPUT	Power supply input socket (220V/50Hz or 110V/60Hz)

Conference Management Software

V4.0 TL-VCB6000

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
- Microphone management
- Voting management
- Video management
- Video camera tracking
- Audio/video recording
- Reports management



TC-D3 Stereo Headphone

- Frequency response: 20 Hz - 20 kHz
- Impedance: 32 ohms $\pm$ 10%
- Sensitivity: 115dB SPL/1mW
- Adjustable headband & swivel earcups
- 30mm drivers for dynamic stereo sound
- 12cm single entry cord with 3.5mm plug



GX-770 IC Card Writer

- Contact smart card reader/writer
- Interface type: USB
- Speed: <0.2 sec



13PS-03/05/10/15/20/40 Extension Cable

- Type : 13PS, double-shielded
- Connector: 1 x male, 1 x female
- Length: 3/5/10/15/20/40 meters



13P-T3 Connection Cable

- Type: 13P-T, double-shielded
- Connectors: 2 x male, 1 x female
- Length: 1.5m+1.2m



13P2-01 Expander Cable

- Type: 13P, double-shielded
- Connectors: 2 x male
- Length: 1 meter



System Configuration Diagram

