GONSIN TL-VC4000
Digital Conference System

GONSIN TL-VC4000 digital conference system offers a multi-functional integrated conferencing solution that combines microphone management, delegate discussion, simultaneous interpretation, language distribution, attendance registration, user identification, chairperson priority, LCD display, video switching, camera tracking, digital recording and software control.

The basic system supports up to 65 delegate units and 5 interpreter units per central control unit. It can be expanded to 250 delegate units with additional extension units, and can easily interface GONSIN infrared wireless transmission system to provide simultaneous interpretation for additional participants, ideally suited for use in a wide range of applications from state houses to hotels and from convention centers to boardrooms.

Main features:

- Easy to set up and simple to operate
- 13-p dual-shielded cable for interference resistance
- Multiple selectable microphone modes
- High fidelity digital audio quality
- 6-channel language distribution
- Central unit with built-in video matrix switcher
- Automatic camera control supported
- ESD (electrostatic discharge) resistance: 8000V (HBM)
- All circuit boards in anti-corrosive, moisture-proof design
- System can function with or without computer control
- Complies with the IEC industry standards

The system runs without operator/software control

- Simple push-to-speak operation
- Chairperson unit can be active at any time
- Simultaneous active delegate microphones from 1 to 4
- Chairperson can override/mute all the active delegate units
- Delegates can select up to 6 channels for 6 different languages
- LCD screen can display 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:

  1) **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.

  2) **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.

  3) **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.

The system functions with optional PC/software control

- Simple push-to-speak operation
- Centralized microphone management
- Operator control over delegate request-to-speak list
- Chairperson unit can be active at any time
- Simultaneous active delegate microphones from 1 to 4
- Chairperson can override/mute all the active delegate units
- Delegate speaking time limit can be preset or controlled by operator
- Delegates can select 6 channels for 6 different languages
- Attendance registration by using IC card or pushing MIC button
- Two registration modes - dynamic and countdown
- LCD screen can display conference and user-related information
- Up to 4 dome cameras can be supported to track the speaking delegate
- Hard disk digital (HDD) conference recording is allowed

- Three selectable microphone modes are available for delegate discussion:

    1) **Request to Speak** - allows to set the number of delegate microphones from 1 to 4 which can be simultaneously active.   The delegate microphone cannot be activated until a registered request is allowed by the operatot or chairperson.

    2) **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 speaker is allowed at one time.

    3) **Free to Speak** – the first 4 delegates who request to speak can be activated. The next one cannot be active until the last one is turned off.

TL-VDC4000
Delegate Unit

- Push button switch for MIC ON/OFF

- Red ring luminant to identify live unit

- Unidirectional electret condenser microphone

- Built-in chipcard reader for user identification

- Back-lit LCD screen for dynamic status display

- Up/down channel selectors for six languages

- Dual 3.5mm headphone jacks with level control

- Automatic gain control (AGC) to prevent acoustic feedback

- Auto turned off when no speech detected for 30 seconds

- Supports automatic video camera tracking

- Frequency response: 50～18KHz

- S/N ratio at 1mV input level: -95dB

- Sensibility: -46±4dB

- Optimal pickup range: 10～30cm

- Microphone stem length: 41cm

- ABS base dimensions: 150x135x50 mm (LWH)

- Dual-shielded captive cable length: 1.5m

- Portable or fixed tabletop mounting

TL-VXC4000
Chairperson Unit

- Push button for MIC ON/OFF

- Priority button to override all active delegate units

- Unidirectional electret condenser microphone

- Red ring luminant to identify live unit

- Built-in chipcard reader for user identification

- Back-lit LCD screen for dynamic status display

- Up/down channel selectors for six languages

- Dual 3.5mm headphone jacks with level control

- Automatic gain control (AGC) to prevent acoustic feedback

- Auto turned off when no speech detected for 30 seconds

- Supports automatic video camera tracking

- Frequency response: 50～18KHz

- Sensibility: -46±4dB

- Optimal pickup range: 10～30cm

- Microphone stem length: 41cm

- ABS base dimensions: 150x135x50 mm (LWH)

- Dual-shielded captive cable length: 1.5m

- Portable or fixed tabletop mounting

TL-VZC4000
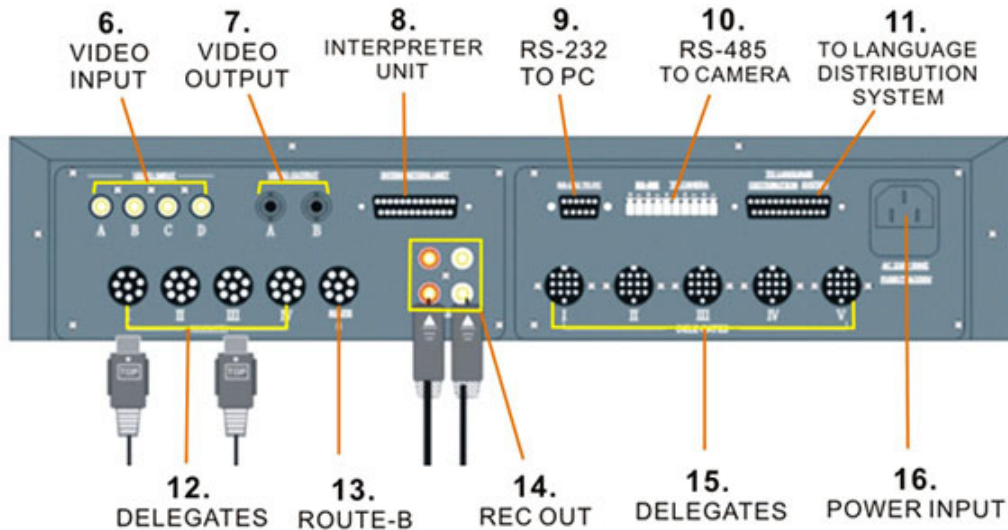# Central Control Unit

- Provides DC power to all contribution units
- Master, treble, bass volume level control
- 3 microphone modes can be selected on the front panel
- Simultaneous active delegate units can be preset from 1-4
- Connects contribution units in up to 5 lines
- DIN connector for additional extension unit
- Can be controlled via software on a PC if required
- Parallel port for interpreters unit
- Parallel port for IR language distribution system
- RS 232 port for computer control
- RS 485 port for dome camera control
- Built-in automatic video matrix switcher
- 4 x video input sockets & 2 x video output sockets
- RCA audio outputs for external equipment
- Built-in ventilation automatically works when temp. is over 65℃
- AC power requirement: 220V, 50Hz
- Power capacity: 300W
- DC power output: 25V
- Frequency response: 20Hz～18kHz
- S/N ratio at 1mV input level: -95dB
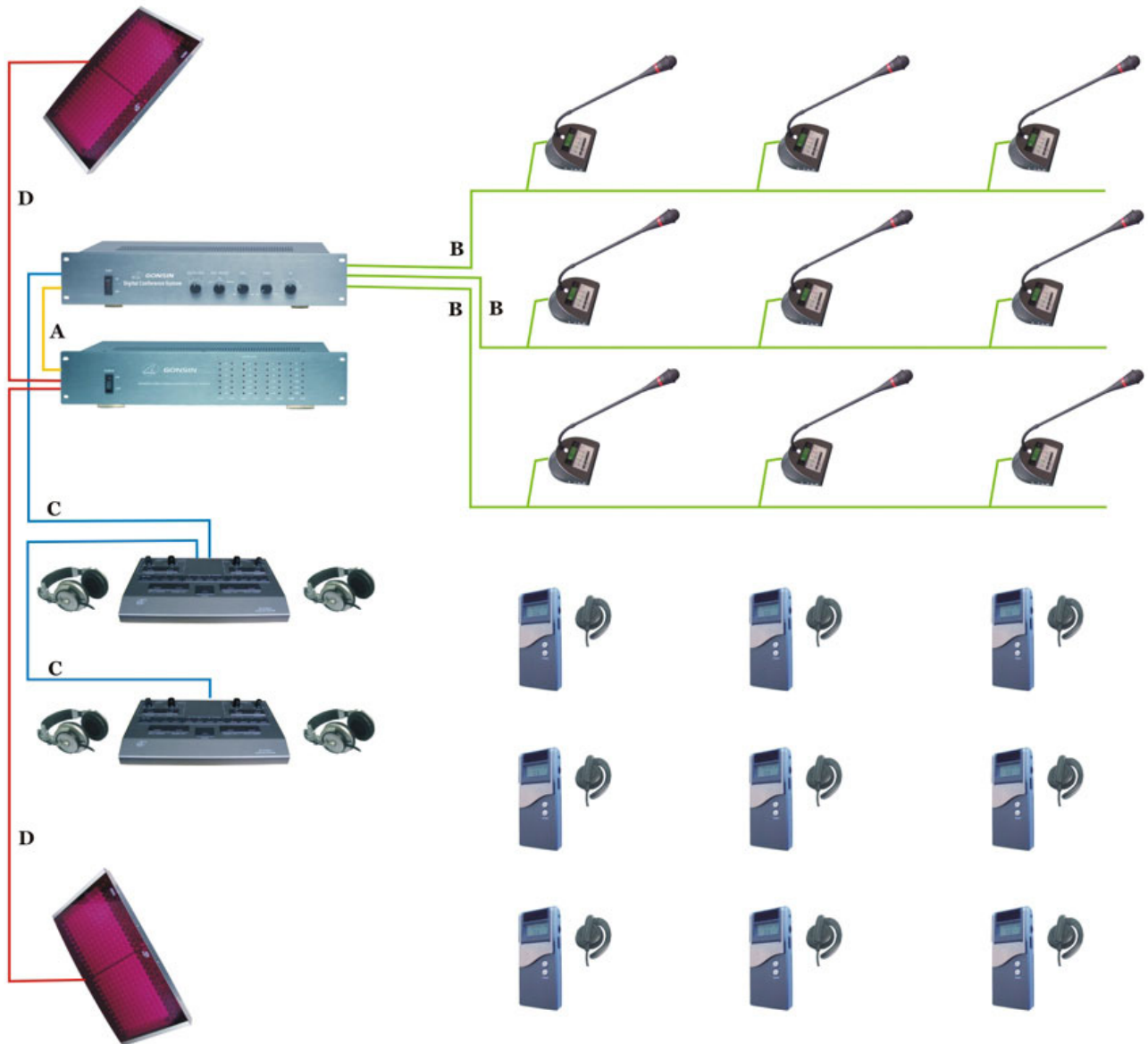- Distortion at 1kHz: < 0.3%
- 19" rack-mount case

![GONSIN logo]

Front Panel

1	AUTO MIC	Selection of 1/2/3/4 active delegate microphones
2	MIC MODE	Selection of 3 microphone modes: AUTO / FIFO / OPERATOR
3	BASS	Bass level control
4	TREBLE	Treble level control
5	VOL	Master volume level control (REC OUT level control)

Rear Panel

6	VIDEO INPUT	4 RCA inputs for video signals
7	VIDEO OUTPUT	2 BNC outputs for video signals
8	INTERPRETERS UNIT	25-p connector for interpreter unit
9	RS-232 TO PC	RS-232 port for computer control
10	RS-485 TO CAMERA	RS-485 port for camera control
11	TO LANGUAGE DISTRIBUTION SYSTEM	25-p connector for additional language distribution system
12	DELEGATES	8-p DIN connectors for contribution units in 4 lines
13	ROUTE B	8-p DIN connector for extension control unit
14	REC OUT	4 RCA audio outputs for recorder, mixer, amplifier, etc.
15	DELEGATES	13-p DIN connectors for 5 lines of contribution units with language channel selectors
16	POWER INPUT	Power supply input socket (AC 110/220V, 50-60Hz)

GONSIN Conference & Interpretation System
Configuration Diagram

A	———	RCA audio cable	**B** ———	13-p double-shielded cable
C	———	DB25 shielded cable	**D** ———	BNC coaxial cable