

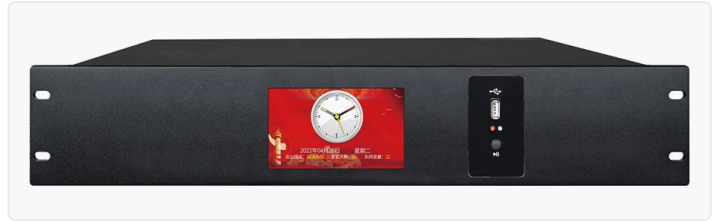
PRODUCT DATASHEET

C-8000

Digital Conference System Host Controller

System Controller | TFT Display | USB Playback | Multi-Unit Management | 2U Rack-Mount

The C-8000 is the central host controller for the C-Yark digital wired conference system, managing all connected chairman and delegate microphone units from a single 2U rack-mount chassis. With a front-panel colour TFT display showing real-time clock, date, system status, and broadcast mode, plus USB audio playback and comprehensive floor management logic, the C-8000 provides the intelligence layer for professional boardroom, council chamber, and conference hall PA and discussion systems.



Host SYSTEM CONTROLLER	TFT COLOUR DISPLAY	USB MP3 PLAYBACK	4 OP. MODES	>80dB S/N RATIO	XLR BALANCED OUT	2U RACK-MOUNT
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KEY FEATURES

- ✓ **Central Conference System Controller** — Acts as the system host for all connected C-Yark chairman (C-859C) and delegate (C-869D) units — manages floor allocation, priority logic, and speaking queue automatically
- ✓ **Front-Panel Colour TFT Display** — Displays real-time clock, date, operating mode, connected unit count, and system volume on a clear colour screen — instant status at a glance from the rack
- ✓ **USB Audio Playback** — Front-panel USB port supports direct MP3/audio file playback for background music, pre-meeting audio, or recorded playback without external media equipment
- ✓ **Delegate Capacity Management** — Supports simultaneous connection of multiple chairman and delegate microphone units — scalable to large conference rooms and multi-table discussion environments
- ✓ **Priority & Queue Management** — Built-in chairman priority logic and delegate request queue management ensures structured floor control in formal debates and council discussions
- ✓ **Multiple Operating Modes** — Supports open, override, PTT (push-to-talk), and voice-activated modes — configurable for different meeting formats and room protocols
- ✓ **Audio Output & PA Integration** — Balanced XLR and unbalanced audio outputs connect to PA amplifiers and recording systems for room reinforcement and meeting archiving
- ✓ **2U Rack-Mount Chassis** — Standard 2U 19-inch rack form integrates into existing AV racks alongside amplifiers and mixers for clean professional installations

INSTALLATION NOTES

- ▶ Install in 2U rack slot; connect C-859C chairman unit first, then daisy-chain C-869D delegate units
- ▶ Connect XLR output to PA amplifier for room reinforcement; RCA output to recording device
- ▶ Select operating mode via front panel before the meeting: Open, Override, PTT, or Voice
- ▶ USB drive in front port provides background music playback between sessions
- ▶ Only one C-859C chairman unit per system; multiple C-869D units supported

TECHNICAL SPECIFICATIONS

MODEL	C-8000	UNIT TYPE	Conference system host controller
RACK FORMAT	2U, 19-inch standard rack	FRONT DISPLAY	Colour TFT LCD
DISPLAY INFO	Clock, date, mode, unit count, volume	USB	Front-panel USB (MP3 playback)
CHAIRMAN INPUT	1× C-859C chairman unit	DELEGATE INPUTS	Multiple C-869D units (daisy-chain)
OPERATING MODES	Open / Override / PTT / Voice	PRIORITY LOGIC	Chairman override, delegate queue
AUDIO OUTPUT	XLR balanced + RCA unbalanced	FREQUENCY RESPONSE	20Hz – 20KHz
S/N RATIO	>80dB	THD	<0.1%
INPUT POWER	AC 100–240V / 50–60Hz	POWER CONSUMPTION	≤60W
OPERATING TEMPERATURE	0°C to +50°C	DIMENSIONS (W×H×D)	482 × 88 × 350 mm
WEIGHT	4.5 kg	CERTIFICATIONS	CE, 3C, ISO 9001
WARRANTY	24 Months		

COMPLETE SYSTEM BRAIN

The C-8000 manages all chairman and delegate units, enforcing priority logic, queue management, and floor allocation automatically — no separate controller software needed.

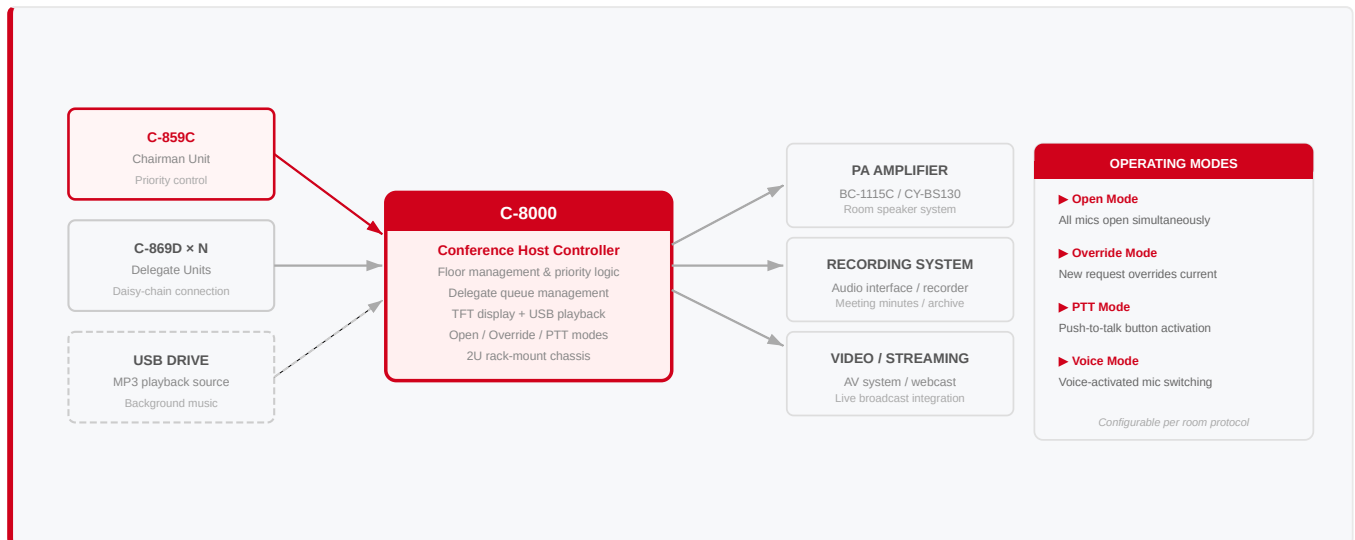
4 OPERATING MODES

Open, Override, PTT, and Voice-activated modes cover every meeting format — from informal discussions to formal parliamentary debate with strict floor control protocols.

FRONT-PANEL TFT DISPLAY

Real-time clock, date, active mode, connected unit count, and system volume shown on the front-panel colour TFT — no laptop or software required during operation.

SYSTEM ARCHITECTURE



TYPICAL APPLICATION SCENARIOS

<p>Government Council Chambers & Parliament</p>	<p>Corporate Executive Boardrooms</p>	<p>Legal Courts & Arbitration</p>	<p>Education Lecture Theatres & Seminars</p>
<p>Worship Houses of Worship</p>	<p>Events Formal Conferences & Summits</p>	<p>Healthcare Clinical Governance Boards</p>	<p>Hospitality Banquet & Function Venues</p>

WHY C-YARK

<p>10+ YEARS IN PA</p>	<p>CE CERTIFIED</p>	<p>ISO 9001 QUALITY</p>	<p>3C COMPLIANT</p>
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<p>ORDERING INFO</p> <p>C-8000 — Conference Host Controller Includes: rack ears, power cable Format: 2U 19-inch rack-mount Mic units sold separately</p>	<p>COMPATIBLE WITH</p> <p>C-859C Chairman Microphone C-869D Delegate Microphone BC-1115C 120W Mixing Amplifier CY-BS130 120W IP Amplifier Any XLR PA input system</p>	<p>NOTES</p> <p>Specifications subject to change without prior notice. 1x C-859C + multiple C-869D units form a complete conference system. © C-YARK · Guangzhou Quanzhiyun Electronic Technology Co., Ltd. DS-C-8000-EN-052026</p>
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