



**CU100**  
Central Unit

**CU100** is a versatile conference system controller featuring an integrated power supply. It manages up to 45 delegate units out of the box with each trunk able to connect to 15 units. Using multiple CU100, your system can be scaled to 255 units for larger venues.

With balanced line outputs for seamless audio integration, it easily connects to audio recorder and multimedia sources. It is a robust, flexible hub for any professional environment with plug and play convenience.

### Key Features

- Easy **plug-and-play** setup
- Supports up to **45 delegate units per controller** (15 per trunk, 3 trunks in total)
- **LCD display** for status monitoring and volume control
- Offers **6 discussion modes** to suit different meeting needs

### Technical Specifications

Power supply	AC 100 - 240V (50 / 60 Hz)
Frequency response	100 Hz - 12.5 kHz
Output impedance	<b>RCA:</b> 200 Ohm <b>Line:</b> 200 Ohm <b>Balanced:</b> 6.9k Ohm <b>Unbalanced:</b> 6.8k Ohm
Input impedance	<b>Line:</b> 50k Ohm
Trunk connections	3 trunks, up to 15 delegates units per trunk
Delegate connections	Up to 255 delegates (including chairman)
Max. trunk length	40m (including main cable)
Conference modes	6 modes (C-ONLY, FIFO, LIFO, LIMIT, FREE, U.SINGLE)
S/N ratio	100 dB
Physical dimensions	480 (W) x 44 (H) x 220 (D)
Accessory	10m 8-pin shielded cable



**CM100**  
Chairman Unit



**DM100**  
Delegate Unit

### Technical Specifications

Microphone type	Condenser with LED ring
Polar pattern	Cardioid
Frequency response	30 Hz - 18 kHz
Sensitivity	-43 ±3dB @1 kHz
Input voltage	9V DC (Powered by controller)
Min. input impedance	1k Ω
S/N ratio	>68 dB
Pick-up distance	30 cm
Output connector	8-pin DIN
Input and output wire	2m 8-pin Shielded cable
Mic length	420 mm
Controls	Press-to-talk mic activation, volume controls
	<b>CM100 only:</b> Priority button to override active delegates
Physical dimensions	125 x 165 x 65 mm (Excluding mic)
Net weight	0.8 kg

Designed for clarity and control, the **CM100** and **DM100** units are the core of a productive meeting. The CM100 Chairman unit provides essential moderation tools like priority override, while the DM100 Delegate unit facilitates smooth participation.

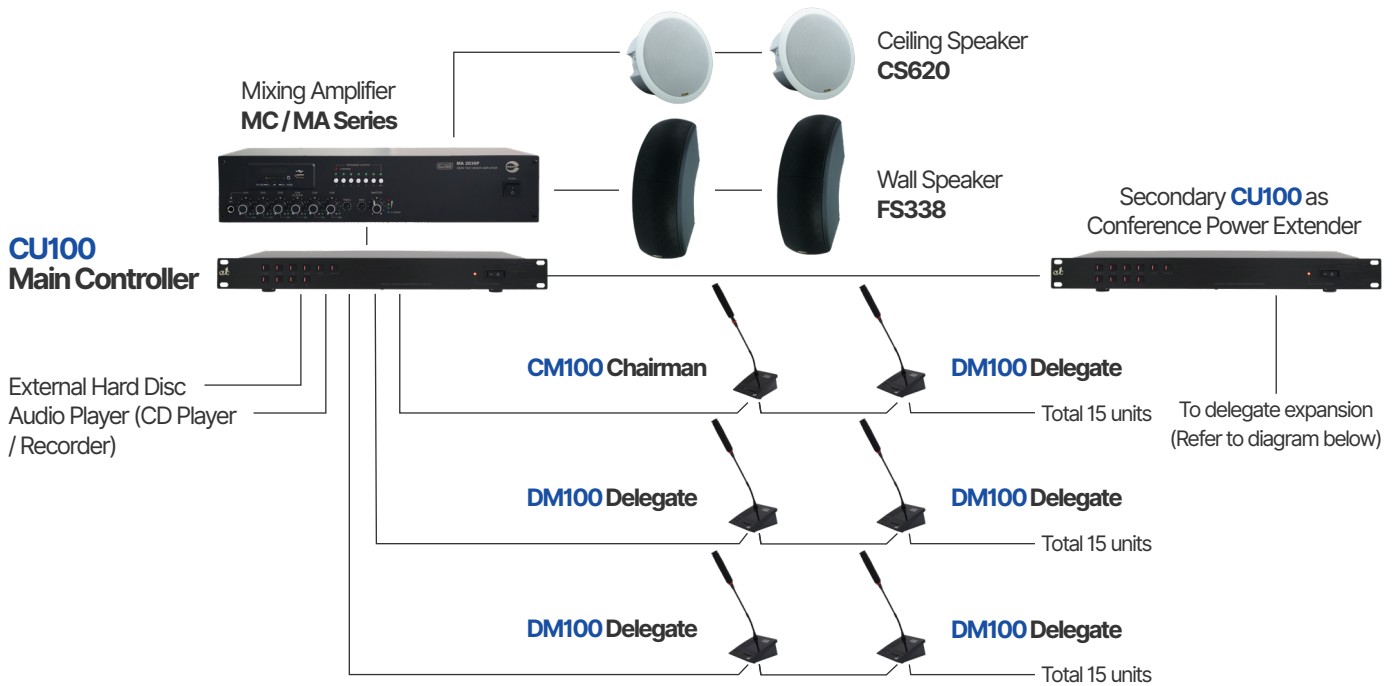
Each unit features an illuminated gooseneck microphone and a built-in speaker with digital volume control for premium audio quality. For added flexibility, they include 2-meter cables for easy daisy-chaining and a headphone jack for private monitoring.

### Packing Information

	CU100	CM100 / DM100
Carton size	565 (L) x 405 (W) x 420 (H) mm	440 (L) x 250 (W) x 370 (H) mm
Gross weight	9.95 kg	4.90 kg
Qty/carton	1 unit per carton	2 units per carton



## Application Schematic for AVC CU100 Conference System



## Application Schematic for AVC CU100 Conference System - System Expansion

