

CM-5000

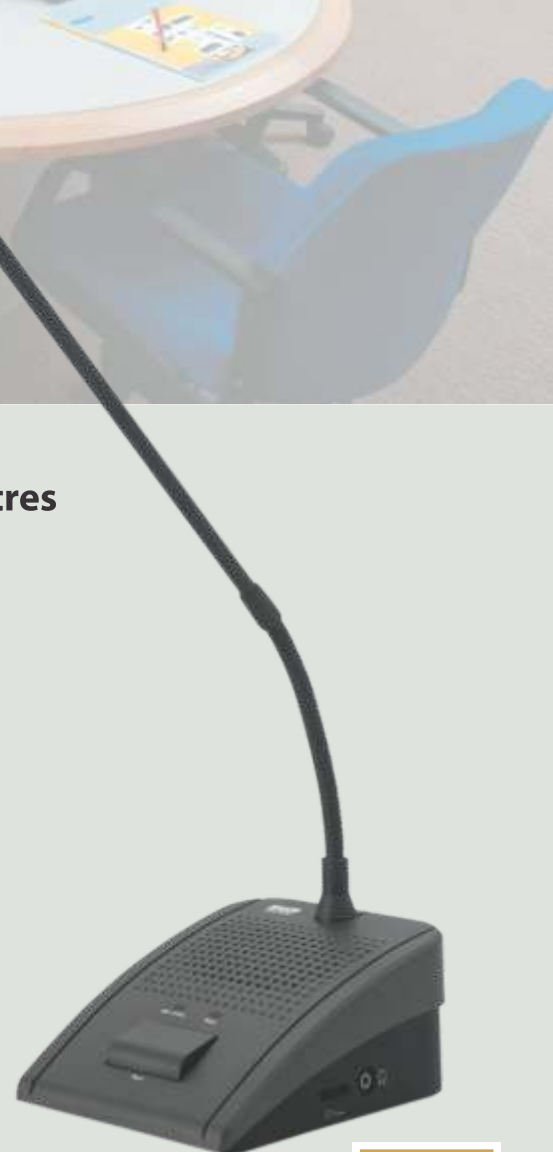
Conference System



CLEAR CONFERENCING IN...

Conference Rooms ■ Seminar Halls ■ Convention Centres

- ✓ Compact, Elegant & Attractive Housing.
- ✓ 18.5" Slim Flexible Gooseneck Microphone with ring LED indication.
- ✓ Chairman's Priority Switch provided.
- ✓ Headphone Facility with Volume Control.
- ✓ Auto Mic-Off Function.
- ✓ 50W Built-in PA Amplifier.
- ✓ USB Recording & Playback Facility.
- ✓ AC/24V DC Operation.



Hallmark of Reliability!

CMD-5200



The Ahuja CM-5000 Conference System provides much required sound reinforcement at meetings and conventions. It is designed to combine elegant aesthetics with clear, highly intelligible sound, while minimising acoustic feedback. The system is ideal for use in conference rooms as well as convention centres.

The CMC-5100 Chairman and CMD-5200 Delegate Units have built-in loudspeaker and high quality sensitive electret condenser microphone mounted on 18.5" flexible gooseneck. The microphones are equipped with a Ring LED indicator to show which mic is ON. Each unit has a headphone output with volume control.

The stylish, free-standing delegate unit housing has an angled fascia incorporating the TALK switch which switches ON the microphone.

CMC-5100



The Chairman Unit also has a non-lockable PRIORITY switch which interrupts the meeting and mutes the microphones of other delegates when the Chairman so desires. Both Chairman & Delegate units have recessed volume controls for setting desired sound levels.



Central Amplifier

At the core of the conference system is the Central Amplifier CMA-5400 which has a built-in 50W PA Amplifier which allows additional external speakers to be connected, if required. Provision is made for connecting either low impedance speakers, or 70V / 100V speakers. The Central Amplifier has inputs for three microphones and an auxiliary source.

The Central Amplifier also has a digital mp3 recording cum playback facility. This enables the proceedings of the meeting to be easily recorded, and allows prerecorded messages / speeches to be played back through USB or SD card.

An LED array on the central amplifier can be switched to indicate the recording level, or the output level.

Active Bass, Treble, and Master volume controls are provided for adjusting the level & tonal quality of the sound through external speakers, if connected. A LINE control is provided to adjust the sound level in the Chairman & Delegate Unit speakers.

The Central Amplifier is housed in a robust metal case and is powered from AC mains with automatic change-over facility to 24V DC battery as standby power source.

FEATURES

- The Chairman and Delegate Units are housed in compact & attractive housing, suitable for keeping on Boardroom tables.
- 18.5" slim and flexible gooseneck microphone with bright ring LED indicator. Highly sensitive unidirectional electret condenser microphone which can be comfortably shared by two delegates, if required.
- Each microphone is supplied with a foam windshield which helps in reducing breath noise and pop noise.
- Automatic Mic Off function in Delegate Units. Delegate unit microphone can be set to automatically turn OFF after approximately 75 seconds, if not being used. This feature can be switched OFF, if not required.
- Units are designed to give extremely clear and intelligible sound.
- Headphone output with volume control is available in each unit.
- Priority function in Chairman Unit mutes all active delegate microphones and is preceded by a chime tone.
- Central Amplifier operates on 220-240V AC mains or 24V car battery.
- The Central Amplifier can deliver 50W RMS output to drive external reinforcement speakers.
- Three unbalanced Mic inputs with one Aux input provided in the central amplifier for various user applications like connecting wireless roving Mic, Podium Mic, A/V audio out etc.
- Send/Return facility provided in Central Amplifier for connecting external signal processors like feedback destroyer, compressor limiter, graphic equalizer etc. This facility can be switched OFF, if not being used.
- All the units can be connected in a bus bar arrangement with the help of CB-45 junction box.
- Provision is made to connect two separate chains of delegate units. This allows better performance when large number of units have to be connected.

SYSTEM INTERCONNECTIONS

- The Central Amplifier CMA-5400 is provided with two sets of LINE connectors i.e., LINE1 and LINE2
- In case of small sized set-up of upto 20 conference units, either LINE1 or LINE2 can be used to connect the conference unit in closed loop.
- In case the number of conference units is more than 20, it is advisable to split the total no. of units in two groups and connect one group to LINE1, other group to LINE2.
- Each Central Amplifier is supplied with 10m connecting cable. Each Chairman & Delegate Unit is supplied with

2.5m connecting cable. Additional extension cables are available in different lengths of 5m, 10m and 20m as optional accessories.

- Installations with long cable lengths may require additional power supply and special dc injection boxes. (For details refer to operation manual).
- The connection cable for DC Injection is available in three different lengths CC-55 (25m), CC-56 (50m) & CC-57 (100m).

SPECIAL FUNCTIONS/FEATURES

Automatic Mic Off Function

- The microphone is automatically switched off after approximately 75 seconds if a delegate is no longer speaking into the mic but forgets to switch the mic OFF.
- When long pause in the speech is expected before hand or the ambient noise level is high, it is suggested to disable this function by placing 'AUTO MIC SWITCH OFF' switch of Central Amplifier in OFF position.

Priority Function

- A priority switch on the Chairman's Unit has been provided for seeking attention of all the delegates during a conference. When priority switch is kept pressed, a chime tone is heard and all the active delegate microphones get muted. Only the Chairman's mic remains ON. Priority function gets withdrawn when the priority switch is released by the Chairman.

Send / Return Jack

- This feature has been provided in the Central Amplifier for connecting an external signal processor like a feedback destroyer or a graphic equalizer. These external signal processors are ideal for those conference rooms / halls which are prone to feedback and howling problems. The external processor can be connected to Send / Return jack socket of the Central Amplifier

through a ¼" stereo jack plug. If the SEND / RETURN feature is not being used, the SEND / RETURN switch on the rear panel of the central amplifier can be kept in OFF position.

Headphone Function

- Each conference unit has a 3.5mm stereo headphone socket along with a rotary volume control for adjusting the level of headphone output. The volume level of headphone is not affected by the setting of speaker volume control of the unit.
- The central amplifier has a 6.3mm headphone socket and a separate headphone volume control on the front panel.

Built-in PA Amplifier

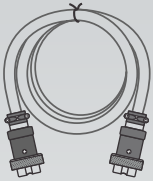
- In certain situations, additional sound reinforcement through external speakers may be required. Hence, the Central Amplifier has a built-in 50W PA amplifier for powering these external speakers.

Built-in Digital Recorder/Player

- Built-in Digital Recorder/Player with LCD display and USB/SD card reader. This is specially useful for recording the conference proceedings, or for playing back recorded speeches / messages.

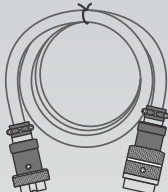
Optional Accessories

CC-46



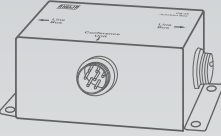
Connection Cable
10m connection cable terminated with 8-pin female plugs on both ends.

CC-47



Extension Cable
10m extension cable terminated with 8-pin female plug at one end and 8-pin male plug at the other end.

CB-45



Junction Box
Suitable for connecting the conference units in a bus bar arrangement.

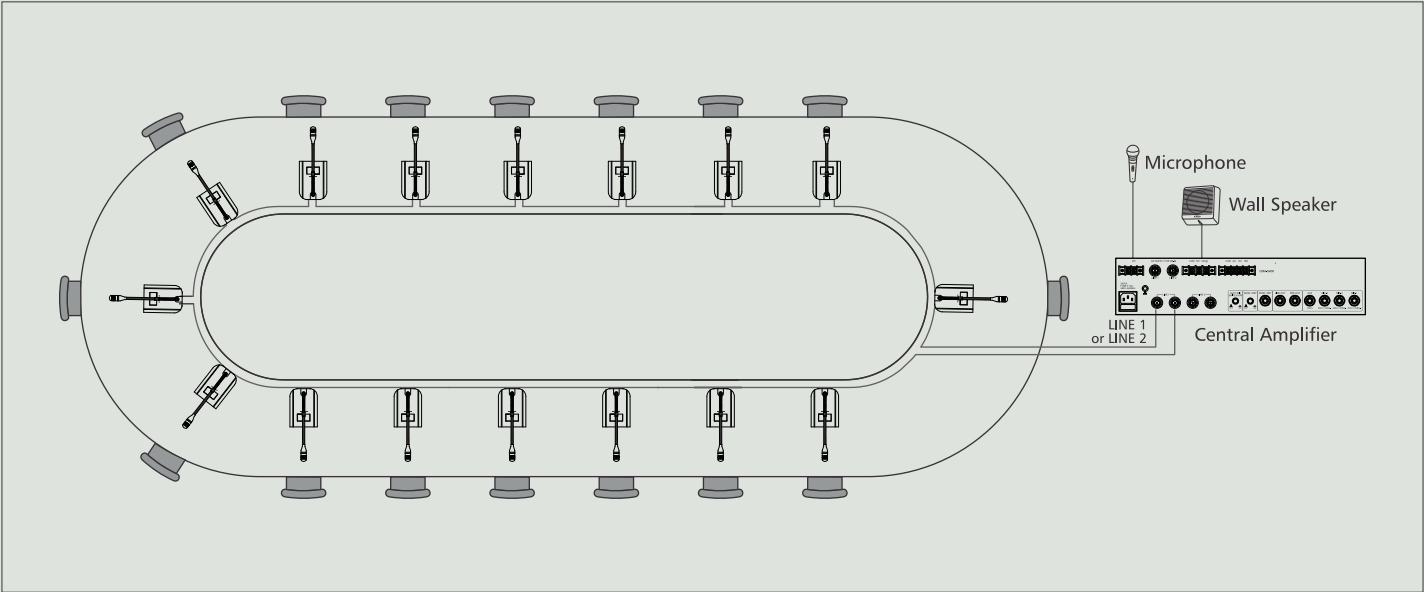
CB-54



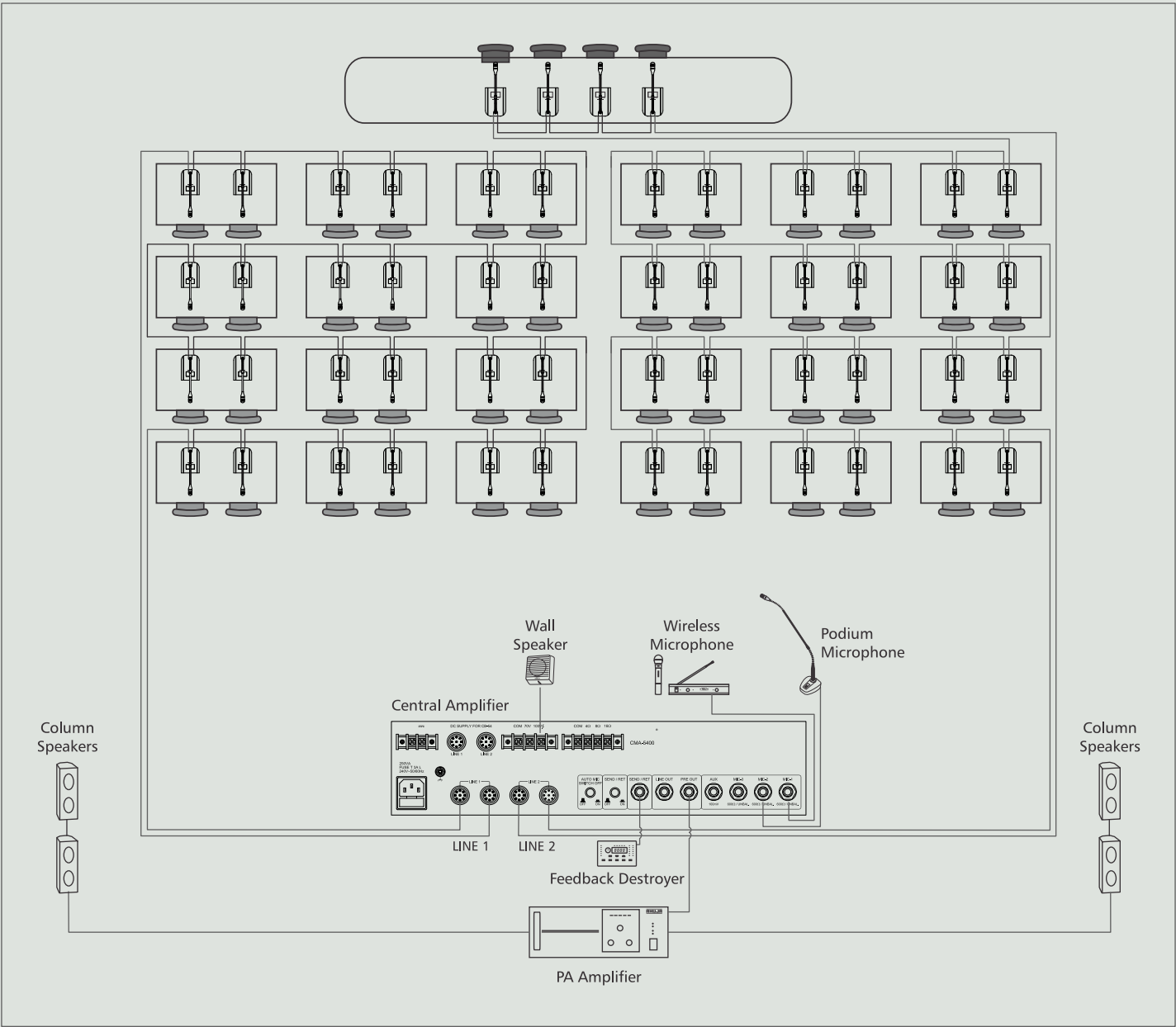
DC Injection Box
Suitable for large installations where long lengths of interconnecting cable required.

TYPICAL APPLICATIONS

BOARDROOMS



CONVENTION CENTRES



SPECIFICATIONS

CMA-5400

Line Output 1	17.5V DC/3A Max.; -34dBV (20mV)
Line Output 2	17.5V DC/3A Max.; -34dBV (20mV)
Power Output	50W RMS at 2% THD, 90W Max.
Inputs	3×Mic 0.65mV/4.7kΩ, 1×Aux 100mV/470kΩ
Frequency Response	60-14,000Hz (± 3dB)
S/N Ratio	> 60dB
Tone Controls	Bass: -10dB at 100Hz, Treble: -10dB at 10kHz
Preamp Output	200mV/600Ω
Line Output	1V/1kΩ
Send Output	200mV/600Ω
Return Input	200mV/10kΩ
Speaker Output	4Ω, 8Ω, 16Ω, 70V & 100V
Power Requirement	AC: 220-240V, 50/60Hz, DC: 24V (2×12V Car Battery)
Power Consumption	250VA
Protections	AC Fuse 1×3 Amp, DC Fuse 3×10 Amp
Dimensions	W483 × H110 × D325 mm
Weight	10.50kg
Accessories	1× Connection Cable CC-46, 1× Extension Cable CC-47, 1× Fuse 3 Amp, 2 × Fuse 10 Amp.

CMC-5100

Microphone	-63dBV/μbar (7.5mV/Pa)
Current Consumption	< 50mA Max.
Mic Auto Switch-Off Time	—
Input	Line
Output	Line, Headphone
Speaker	Max Input 300mW
Controls	Priority Switch, Talk Switch, Speaker Volume Control, Headphone Volume Control
Dimensions	W118 × H70 × D160 mm
Weight	1.05 kg (w/o cable)
Accessories	Foam Windshield, 2.5m Interconnecting Cable

CMD-5200

Microphone	-63dBV/μbar (7.5mV/Pa)
Current Consumption	< 50mA Max.
Mic Auto Switch-Off Time	75 seconds approx.
Input	Line
Output	Line, Headphone
Speaker	Max Input 300mW
Controls	Talk Switch, Speaker Volume Control, Headphone Volume Control
Dimensions	W118 × H70 × D160 mm
Weight	1.05 kg (w/o cable)
Accessories	Foam Windshield, 2.5m Interconnecting Cable

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