



DIGITAL CONFERENCE MICBASE - TABLETOP

CDM1000

CDM1000 OVERVIEW

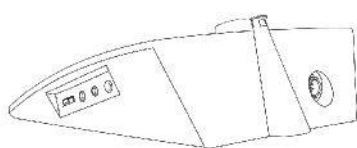
The CDM1000 is a multi-usable desktop microphone base. It comes with two buttons and status LEDs for speaking or function selection, and a XLR connection to connect to Xavtel's gooseneck microphones, the mic is available in different length(26cm/40cm/48cm/60cm), 3rd party microphones can also be supported. The CDM1000 contains a built-in loudspeaker for smaller applications with no external amplification. The volume setting for this loudspeaker can be done with the volume pot at the right side of the unit. At the same side, there are 3 mini jack connectors, one is a microphone input, the second a line output, the third is for future use (Votepad AT).

The Senator Designer software allows the CDM1000 to be programmed and switched from the standard "Delegate mode" into an "Interpreter mode", making it as an easy and cost effective Interpreter station. In this case, either the internal loudspeaker and microphone of CDM1000 can be used for the interpreter (sitting in a different room) or the mini jack connections can be used to connect to a 3rd party headset; therefore, the interpreter can sit in the same room and listen to the floor channel while translating into another language.

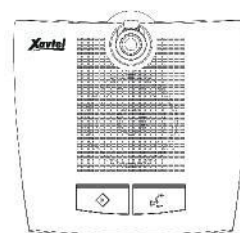
The two LEDs placed over the talk and the function buttons will indicate the status of the CDM1000. The CDM1000 will be shipped with a 2,5m microphone cable, which will be connected to the mini XLR connector on the rear side of the unit.

FEATURES

- Desktop Delegate Unit with 3 selectable functions: delegate, chairman or interpreter
- Built in loudspeaker with integrated AEC (Acoustic Echo Cancellation)
- Connections for headset and Votepad (future option) and volume control
- XLR connector connects to any of Xavtel's gooseneck microphones (3rd party mics will also be supported)
- A 2.5m mic cable is included to connect to the DDB104 Mic Junction Box
- The two buttons and LEDs for speaking or function selection



Side & Rear Panel



Front Panel

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The DCP1000 is the digital DSP controller of the Senator system. It has 2 CDM-Net-Loop card slots: One card is on board, and the other optional card can expand the system to 2 redundant loops for up to 504 Delegate Units, connecting thru the DDD-104 digital Mic Junction Box via CAT5/6 or Fiber Optic cables. Using the digital link(MDA) between DCP1000 and DCA660 distribution amplifiers allows to cascade up to 64 units via CAT5/6. The DCP1000 supports multiple interfaces like USB2.0 connector(recording), XLR balanced line In/Out, RCA stereo line In/Out, RS485, RS232 and an RJ45 Ethernet port. Audio recording, 3rd party control, even controlling PTZ cameras can be easily handled.

In addition, the DCP1000 processor integrates the DSP functions such as Voice Activated Gate, AEC, PEQ, AGC, Feedback Suppressor, Hi/Lo Pass Filter. Each of them can be adjusted, stored and processed individually for every connected microphone. Moreover, with the optional AEC- Card (Acoustical Echo Cancellation) installed, the Senator system is capable to use VoIP and SIP functionality for distance and web-conferencing applications. The outstanding function of Auto-Mix-Minus calibration in conjunction with the DCA660 amplifier makes the Senator system a very unique and ease of use and setup. Multi-purpose conference, presentation, meeting, distance and web-conferencing system will all functions and fully integrated.

Electrical	
Mains power	24 VDC
Power consumption	3.5 watts @ Max.
Frequency response	40 ~ 18 kHz, 0/-2 dB
THD+N	< 0.05 % (40 Hz ~ 18 kHz @ 0 dBu)
Sampling	
A/D-D/A converts	24 Bit
Sample rate	48 kHz
XLR/Mic Input	
Phantom power	24V
Input dynamic range	> 94 dB (40 Hz ~ 18 kHz @ 0 dB)
Input gain range(fixed)	6 dB
Maximum input level	-6 dBu
Input impedance	15 kΩ
3.5mm Female Phone Jack/Mic Input	
Input gain range(fixed)	6 dB
Maximum input level	-6 dBu
Input impedance	15 kΩ
3.5mm Female Phone Jack/Headphone Output	
Maximum output level	0 dBu
Output impedance	25 Ω
Delivering power	150 mW
Built-In Loudspeaker Output	
Bandwidth	40 Hz ~ 18 kHz
Maximum output level	87 dB SPL @ 1 foot

*The main specification is for CDM1000 digital conference mic base; however, it supports third party microphones, the specification table with star mark is only for the CGM gooseneck microphones.

Front Panel	
2 buttons with LED, namely 'function-oriented' and 'talk'	
3 pin standard XLR connector for microphone	
Side Panel	
Volume control for built-in loudspeaker	
3.5 mm female phone jack/mic input	
3.5 mm female phone jack/headphone output	
4 pin, 3.5 mm pad connector for accessories such as Votepad AT	
Rear Panel	
5 pin XLR connector for connecting to DDB104 mic junction box.	
Dimension & Weight	
Width	5-1/2"(140 mm)
Height	4-3/4"(120 mm)
Depth	3"(78 mm)
Weight	1.76 lbs(0.8 kg)
Color	
PANTONE 7546C	
Environment	
Operating temperature	32°F ~ 104°F(0°C ~ 55°C)
Storage temperature	-40°F ~ 158°F(-40°C ~ 70°C)
Relative humidity	5% ~ 70% noncondensing
Certifications	
CE marked, UL listed, RoHs compliant	
*CGM Gooseneck Microphone for CDM1000	
Type	Uni-directional electret condenser microphone
Polar pattern	Cardioid
Termination	3 pin male XLR
Shaft diameter	6 mm
Length	26 cm/40 cm/48 cm/60 cm
Power requirement	9 ~ 48V
Frequency response	50 ~ 18 kHz
Input dynamic range	113 dB
Sensitivity	-47(±4 dBu) @ 1 kHz(0 dBu = 1 VPa)
Maximum SPL	128 dBu
Impedance	> 130 Ω