



DIGITAL CONFERENCE MICBASE - 5" TOUCH TFT LCD

CDM-T5

CDM-T5 OVERVIEW

The CDM-T5 Desktop Chairman Delegate Unit comes with a 5" LCD touch screen, a built-in loudspeaker and an XLR connection for Xavtel's gooseneck microphones. The mics are available in different lengths (26 cm/40 cm/48 cm/60 cm). Also included is the connection for an external headset. The CDM-T5 allows for the full system control of the Senator System, from the capability of volume changes, settings, paging and dialing if used in a Distance or Web-conference.

The CDM-T5 has a mini USB connector placed at the right side of the unit, allowing for an easy-to-setup Web-conferencing system with the use of the optional AEC-Card in the DCP1000 for a direct connection to any PC/Laptop. This unique feature allows every standard conference system to become either a Distance conferencing and/or a Web conferencing system at the same time! No more integration or extra cabling of the system will be needed!

Other functions such as the selection of the conference modes, the selection of the GUI language, start/stop of the USB recording function and all other system relevant parameters or levels can be adjusted via the CDM-T5. The CDM-T5 also offers a dedicated paging button, which allows for pre-selected zone paging. The dialer section has either a speed dial page or a numeric page to either recall preprogrammed connections via SIP Server (WAN) and direct to VoIP Phones or VoIP PBX systems, or to directly dial any number needed to make a distance conference connection.

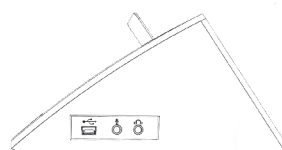
The CDM-T5 is capable to start the Auto-Mix-Minus calibration with the push of one button. Once the system is cabled and programmed, it will work as a stand-alone system and all necessary adjustments can be made via the CDM-T5! The unit also offers 2 mini jack connectors next to the mini USB port, to connect any 3rd party headset to the system.

FEATURES

- Desktop Chairman Delegate Unit with 5" touch screen
- Multi language interface (every language possible)
- Full system control unit including dialer, volume controls and conference management
- Built in loudspeaker with integrated AEC (Acoustic Echo Cancellation)
- USB audio connection for easy to use Web-conferencing applications (needs AEC-Card installed into DCP1000)
- 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



Front Panel



Side & Rear 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 (Acoustic 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 Hz ~ 18 kHz @ -1 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	> 90 dB (40 Hz ~ 18 kHz @ 0 dB)
Input gain range (fixed)	24 dB
Maximum input level	-6 dBu
Input impedance	4 kΩ
3.5mm Female Phone Jack/Mic Input	
Input gain range(fixed)	9 dB
Maximum input level	-6 dBu
Input impedance	2 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	90 dB SPL @ 1 foot

*The main specification is for CDM-T5 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	
5" LCD touch screen	
3 LED for recognizing status of microphone	
RFID card reader for sign-in	
3 pin standard XLR connector for microphone	
Side Panel	
3.5 mm female phone jack/mic input	
3.5 mm female phone jack/headphone output	
Rear Panel	
5 pin XLR connector for connecting to DDB104 mic junction box	
Dimension & Weight	
Width	9-6/7"(284 mm)
Height	5-1/2"(174 mm)
Depth	3-1/7"(80 mm)
Weight	2.42 lbs(1.1 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 CDM-T5	
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) @ 1kHz(0 dBu = 1 VPa)
Maximum SPL	128 dBu
Impedance	> 130 Ω
S/N ratio	67 dB(A)