MX®

CONNECTING THE FUTURE

Conference Solution

MX

CONNECTING THE FUTURE

CONTENT

WIRELESS AUDIO CONFERENCE SYSTEM

MX CSM 100C (Chairman)

Wireless Chairman Microphone

- Wireless Chairman Microphone
- Chairman microphone can turn on any time.
- The system support Video camera auto-track function, chairman microphone.
- ID number should be 1
- Priority function: Chairman can mute delegate microphones by a press of priority button.
- Chairman only mode: Delegate microphone cannot be turned on again after.
- Chairman microphone press priority button.

MX CSM 100D (Delegate)

Wireless Delegate Microphone

- Wireless communication systern eliminates the need of connecting the conference
- Portable table moving and microphone can be pull out. Extended length option.
- Electric capacity type microphone, equipped with windshield cover
- microphone ID, battery level, microphone state, control channel, etc.
- Equipped with microphone on/off key and indicator.
- Equipped with 3 function keys to set microphone id, control channel, volume level and battery status.
- Microphone will shut off the power or in standby if receiver is powered off.

CONTROLLER & VIDEO PROCESSOR FOR WIRELESS AUDIO CONFERENCE SYSTEM

MX CSM 200R (Controller)

Wireless Conference Cotroller

- The Wireless Conference System Mx CSM-200R Series Supports The Limit (1/2/3/4), FIFO(1/2/3/4) And Chairman Only Modes.
- One System Support 1000 Microphones For Discussing And 256 Microphones For Video Tracing Function.
- 5 Microphones Can Be Turned On At The Same Time.
- The Microphone Can Be Powered By The Built-in Rechargeable Battery Or Dc Power Supply.
- The Battery Could Last Approximate 8 Hours For Conversation And 30 Hours When Standby.
- Chairman only mode: Delegate microphone cannot be turned on again after.
- Built-in USB recording module.

MX CSM 600W (Processor)

Wireless Conference Video Processor

- Support central control system with RS232 interface.
- Support PELCO-D and VISCA communication protocol.
- Control and preset camera by software or processor front panel.
- Support up to 256 preset tracking points in one system.
- RS232/RS422/RS485/USB interface for camera control.
- RS232/RJ45(DATA) /USB interface for conference main unit connection.
- RS232/RS422/RS485 interface for camera control.
- Support more cameras and more video connection interface by connecting HD Hybrid Matrix.

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WIRED AUDIO CONFERENCE SYSTEM

MX CSM 300C (Chairman)

Wired Chairman Microphone

- Highly flexible & customizable system supporting 4 Chairman & 260 Delegate Units.
- Priority function: Chairman can mute delegate microphones by a press of priority button.
- Detachable & Flexible 15" gooseneck microphone.
- LED Indicator on Microphone, to indicate 'Mic Active' status
- Available in elegant Black Color
- Chairman microphone press priority button.
- FIFO & LIFO: FIFO (First In First Out) & LIFO (Last In First Out) are ultra flexible & adjustable modes in which the participant enters or exits a discussion.

MX CSM 300D (Delegate)

Wired Delegate Microphone

- Highly flexible & customizable system supporting 260 Units.
- Supports up to 5 active units.
- Fully automatic no operator required.
- Detachable & Flexible 15" gooseneck microphone.
- LED Indicator on Microphone, to indicate 'Mic Active' status
- Available in elegant Black Color
- FIFO & LIFO: FIFO (First In First Out) & LIFO (Last In First Out) are ultra flexible & adjustable modes in which theparticipant enters or exits a discussion.

CONTROLLER & VIDEO PROCESSOR FOR WIRED AUDIO CONFERENCE SYSTEM

MX CSM 300R (Controller)

Wired Conference Cotroller

- The main unit of the portable conference system can support 60 units delegate and chairman microphone and can be extended to support 250 units microphone with extension power unit
- It is equipped with four groups or 8p-DIN interface for system connecting
- It offers system support discuss mode : Free mode, FIFO mode (1-9), Limit mode 1-9) • The system working mode can display on LCD
- It offers support video camera auto-track with video processor MX CSM-300R
- **Connection :**
- 1 pcs13m main cable with 8PIN plugs
- 8 PIN socket for system connection

MX CSM 600 (Processor)

Wired Conference Video Processor

- Support central control system with RS232 interface.
- Support PELCO-D and VISCA communication protocol
- Control and preset camera by software or processor front panel.
- Support up to 256 preset tracking points in one system.
- RS232/RS422/RS485/USB interface for camera control.
- RS232/RJ45(DATA) /USB interface for conference main unit connection.
- RS232/RS422/RS485 interface for camera control.
- Support more cameras and more video connection interface by connecting HD Hybrid Matrix.

WIRED SHORTGUN / BOUNDARY CONFERENCE SYSTEM

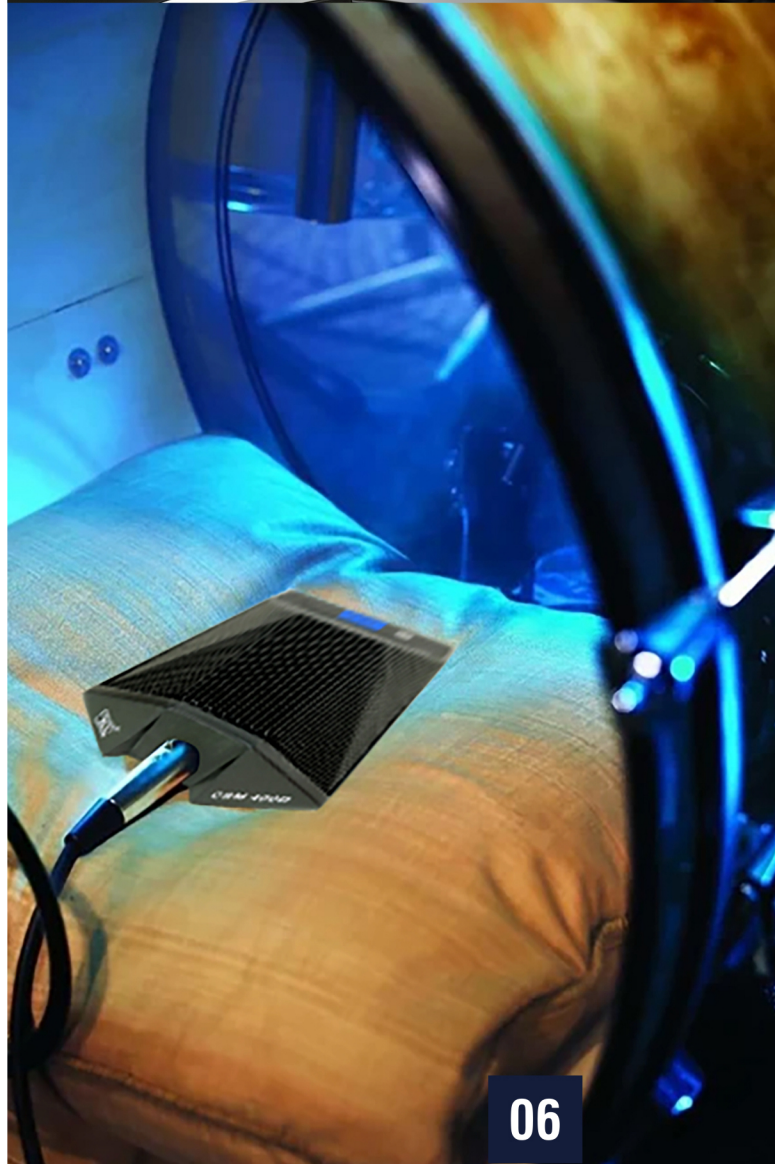## MX CSM 500C (Chairman)

Wired Chairman Microphone

- Frequency Response: 40Hz-16KHz
- Sensitivity: -44 dB:2dB
- Dimension: 130x55x105(mm)
- Installation Dimension: 105x40(mm)
- Length Of Gooseneck: 280mm
- Support Discuss And Video
- Chairman With Priority Button

MX CSM 400C (Chairman)

Wired Chairman Microphone

- Frequency response: 40Hz-16kHz
- Sensitivity: -44 dB+2dB
- Dimension: 69x87x18(mm)
- Support discuss and video
- Chairman with priority button

FEEDBACK SUPPRESSOR FOR CONFERENCE MICROPHONE

MX CSM 400F

Wired Chairman Microphone

- Independent microphone and line input switch EFX port
  support connecting to conference system

  Frequency shift   : 7Hz±1Hz

  Input impedance   : ≥5KΩ

  Output impedance   : ≤600Ω

  Microphone Gain   : 5~14dB

  Frequency response : 20Hz-20 KHz in frequency non-shift state

  100Hz-15 KHz in frequency shift state

  MX CSM 400F support LCD display system status

HD VIDEO MATRIX 4x4

MX 9600MS

Matrix

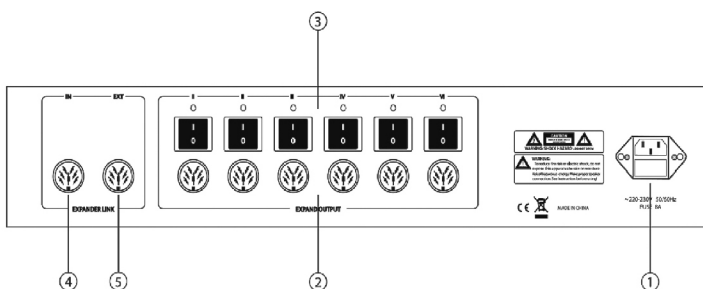|	
Input :	4 channel HDMI
Input connector :	Type A 19 Pin Male
Input resolution :	MAX 4K@30Hz RGB4:4:4,
	YCbCr4:4:4,YCbCr4:2:2
Output :	4 channel HDMI
Output connector :	Type A 19 Pin Female
Output resolution :	MAX 4K@30Hz RGB4:4:4,
HDMI standard :	HDMI1.4
HDMI Inbuilt audio :	PCM
Control port :	(2) RS232 (1) Rj45
Port connector :	(1),DB9 RS232 Input female connector，
	(1) DB9 RS232 output male connector,
	(1) RJ45 232 output
Button :	White button，Support for switching,
	scene calling

EXTENSION UNIT FOR WIRED CONFERENCE SYSTEM

MX CSM 300E

Extension Unit for Wired Conference System

- AC POWER SOCKET: Power 230VAC 50/60Hz , FUSE 8A
- EXPANDER OUTPUT: 6 inputs for Chairman/Delegate units.
  Each line can be connected to up to 30 units (do not connect more than 30). One extension power unit can manage up to 60 units.
- In-line Power Switches: After connecting the microphones to the system, set the switches of the lines involved on the "I" position. The LED light will in cate that the line is powered.
- EXSPANDER LINK IN: Connect this input to one of the 4 controller outputs using the cable Provided
- EXSPANDER LINK OUT:Connect this output to the next expansion unit input using the provided cable There is no limit to the number of expansion units that can be connected, yet the total number of manageable microphone units must not exceed 254.

DISCUSSION AUDIO CONFERENCE SYSTEM

MX CSM 250C / 250D

Discussion Conference Microphone

MX CSM 7000R

Discussion Conference Controller

- Designed for simple conference discussion.
- Main unit can support 60 microphone units, it could be extend to support 250 units with extension power unit.
- Three group 8P-DIN outlets interface for system connection.
- Frequency response : 40Hz-16KHz
- Sensitivity: -40dB±2dB
- Dimension: 153x 135x58mm
- Length of gooseneck: 390mm (fixed)
- N.W: 0.5kg
- Support discuss
- Chairman with priority button
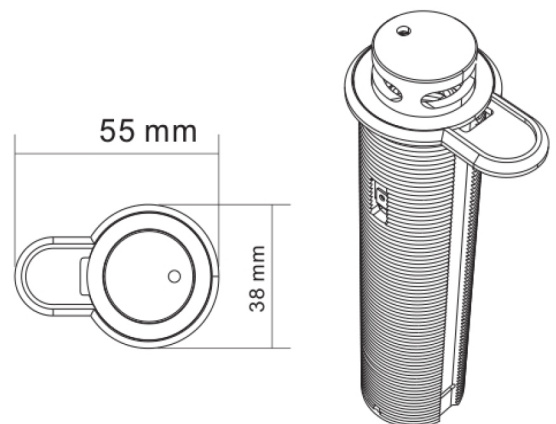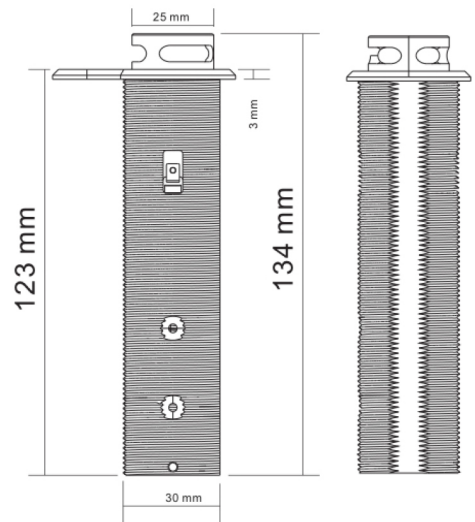- Microphone equipped with 1.5-meter 8P-DIN cable

RETRACTABLE AUDIO CONFERENCE SYSTEM AND CONTROLLER

MX X1-3C / MX X1-3D

Retractable Conference Microphone

- A hidden heart-shaped capacitive interface microphone, made of high-quality brass, with a built-in shock pad and an RF filter. Its uniqueness is that the interior is designed according to the principle of mechanical expansion.
- With the automatic shutdown function, the microphone on will be automatically shut down for 45 seconds without the pickup state (when the sound within the pickup range is lower than 50dB)
- Ultra-low section
- The microphone can be hidden when not in use
- Built-in RF filter
- Unique touch switch design, the microphone can only be turn ON when bounced
- Sound pick-up method : Reflect back from the table
- Sound pick-up distance : 30-60 cm
- Anti-mobile phone, high-frequency interference
- Support camera video tracking function
- Power supply by conference controller, the input voltage of 18V is in the safe range
- Connected by CAT6 cable via the PCB box under the table
- Frequency response (Hz) : 20Hz-20KHz
- Directive property: super cardioid
- Output impedence （ohm）: 75Ω
- Sensitivity : -36dB±2dB
- S.N.R : 85dB 1KHz at 1 Pa
- Dynamic range : 140dB，1KHz at max SPL
- Maximum sound pressure : 149dB SPL 1KHz THD1%
- N.W. : 0.15 kg
- Indicate : LED light(red)
- Material : High quality brass

DIGITAL CONFERENCE CONTROLLER

MX CSM 9500M

Digital Conference Controller

- A sampling frequency of 48kHZ is supported by the system.
- In order to ensure a clear, highly sensitive, and perfect sound quality, CMU built-in high-performance dual-core CPU, 32 bit high-speed DSP technologies, feedback suppression, noise cancellation, automatic gain, and digital equalization are all available.
- TCP (transmission control protocol) and IP (internet protocol) are all available, enabling a reliable and safe management.
- Built-in video tracking control and ballot processor, high definition switching matrix are available for auto video tracking with HD video matrix.
- The CMU owns a built-in USB, allowing the realizing of recording and monitoring.
- Audio could be outputted in balanced or unbalanced way.
- Different kinds of interfaces, like, Ethernet, RS422 and RS232, could meet requirements towards different devices.
- Three modes are available, including REQUEST(1-4),LIMIT (1-4), and FIFO (1-4). They all support speech timing function.
- Multiple conference functions could be realized when CMU is connected to computer.
- Power Input: 220-240V,AC 50/60Hz
- Static Power: 12W
- Maximum Output Power: 350W
- Frequency Response: 20Hz-20KHz
- S/N: > 80dB
- T.H.D: <0.05%
- Dimensions: 484x 88 x 360 mm, 2 U rack 19"
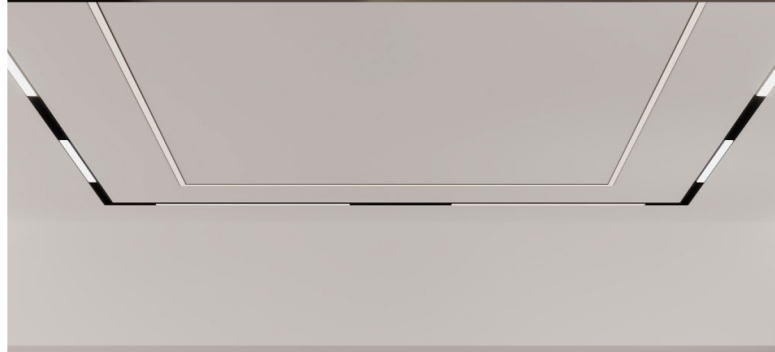
NETWORK DIGITAL CONFERENCE SYSTEM

MX 611C / 611D

Network Digital Conference Microphone

MX 600HD

Network Digital Conference Controller

- The Conference Main Unit forms the core of the entire conference system. It provides power supply to all contribution unit and serves as key component to link system hardware to software control. The CMU adopt DSP techniques such as feedback suppression, noise cancellation, automatic gain, and digital equalization. It's flexible and reliable for any conference of mini/medium/large meeting.
- In order to ensure a clear, highly sensitive, and perfect sound quality, CMU built-in high-performance dual-core CPU, 32 bit high-speed DSP technologies, feedback suppression, noise cancellation, automatic gain, and digital equalization are all available.
- Built-in video tracking control and ballot processor, high definition switching matrix are available for auto video tracking with video matrix.
- The CMU owns a built-in USB, allowing the realizing of recording and monitoring.
- Different kinds of interfaces, like, Ethernet, RS422 and RS232, could meet requirements towards different devices.
- Three modes are available, including REQUEST(1-9),LIMIT (1-9), and FIFO (1-9). They all support speech timing functions.
- Power Input : 230VAC 50/60Hz
- Maximum Output Power : 350W
- Frequency Response : 100Hz-15KHz

IR CLASSROOM MICROPHONE SOLUTION

MX IRCL CU

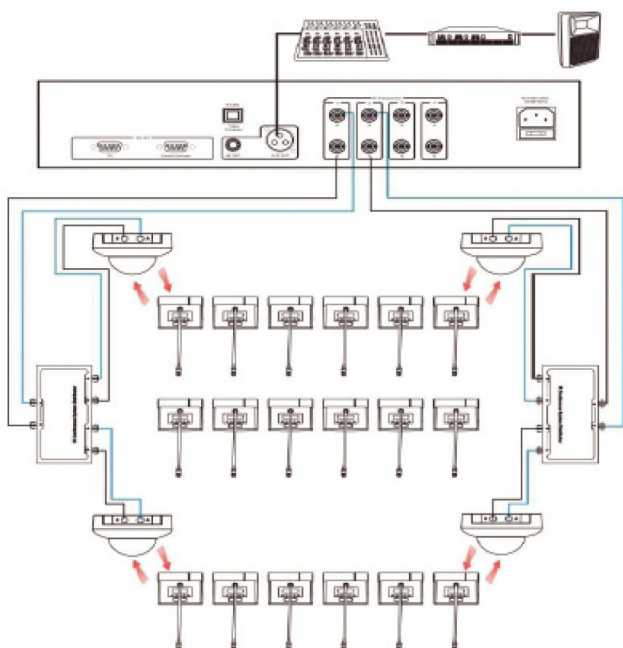### IR Classroom Microphone Solution

- With dual channel function, for student and teacher using.
- Up to 4 infrared receiver can be connected to ensure that there is no dead sound corner in the classroom.
- Volume adjust knob.
- LCD screen showing the system working status.

Load frequently	: 2MHz-5MHz
Channel groups	: 2 channel
Receiving sensitivity	: -100dBM
Frequency response	: 100Hz-12kHz

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