

# MP7300

## Digital Conference Microphone System Host



### Description

This conference system uses digital technologies according to the European Community's IEC914 and ISO standards.

It is composed of a controller –MP7300 – and two microphone units – Delegate and Chairman – that feature high sensitivity, a wide frequency response, an internal loudspeaker and a cardioid electret microphone with a lighted ring for the visual identification of the microphone in use. The system is pre-cabled to ensure fast and easy installation.

The device may include up to 64 microphone units, daisy-chained on four independent lines (or a maximum of 30 microphone units on each line).

The system involves the use of several expansion units – MP-5600E. Every expansion unit can support up to 60 microphone units divided on six lines (never use more than 30 microphone units on each line).

Adding four expansion units, the system can control up to 254 microphone units.

### Features

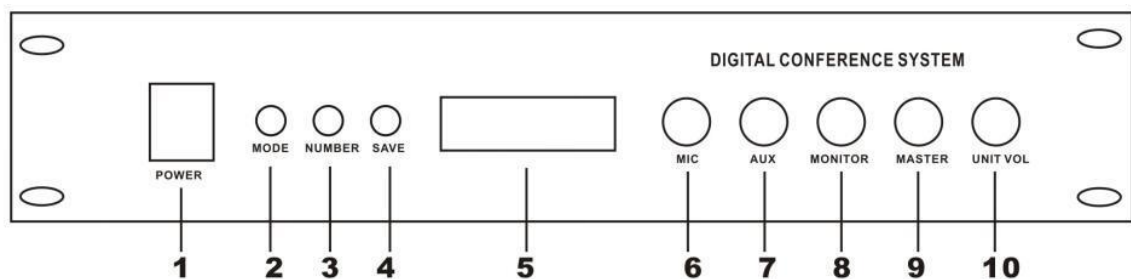
- It directly powers and controls 64 microphone units.
- Chairman microphone has priority function.
- Five operating modes: FREE MODE, LIMIT (1-9), FIFO (1-9)
- One microphone input (MIC) and one line input (LINE) for external units.
- TAPE output for recordings and line output (LINE) for amplification (balanced and unbalanced).
- It allows insertion of an audio processor to the chain.
- Microphone sensitivity level control.
- Loudspeaker level control for the unit monitors
- Built-in video and voting processor to support video camera tracking and voting function

### Specifications

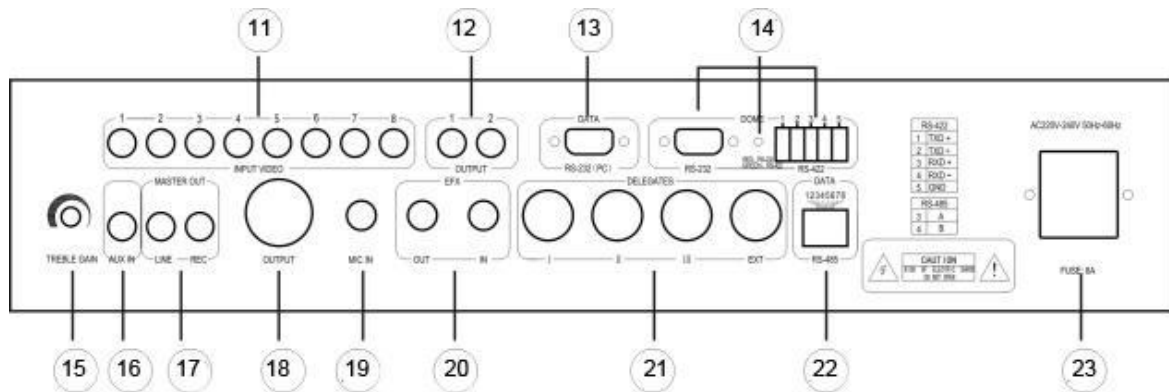
Model	MP7300
Characteristics	Supply power to microphones DC24V Built-in amplifier Control the active microphone number Allows the connection of up to 64 microphones (expandable up to

	254 units) Built-in monitor speaker Built-in video & voting processor to support camera track and voting function
Response	40-18000 Hz
Controls	Dynamic Mic volume Aux volume Monitor volume Mic inner speaker volume Master output volume Active Mic limit selector RS232 PC control RS232/RS422 camera data control
Inputs	4 x group microphone input line DIN-8 1 x Mic (TRS Jack 6.3 mm) 1 x Aux (RCA) 8 x Video in (RCA)
Outputs	1 x Master (male XLR3) 1 x Line out (RCA) 1 x Rec (RCA) 2 x Video out (RCA)
Power supply	230 V AC 50/60 Hz, 350W
Dimension	488 x 84 x 360 mm, 2 U rack 19"
G.W	17kg
Accessories	1 x 13 m DIN-8 main cable 1 x 1.8 m power cable 1 x 2 m XLR M-F cable 2 x 1.65 m RCA-TRS cable 2 x fuse 1 x USB dongle key 1 x software CD 1 x USB-RS232 converting cable 1 x manual

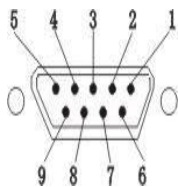
## Front / Rear Panel



- ① POWER: Main power on/off switch
- ② MODE: Select the conference modes: FREE/LIMIT/FIFO
- ③ NUMBER: Select the active microphone number
- ④ SAVE: To save the mode and number setting
- ⑤ LCD display: To display the current system working mode
- ⑥ MIC: Control the audio level of any dynamic microphone connected to MIC IN (fig. 2 – ref. 22)
- ⑦ AUX: Sets the audio level of any audio source (wireless microphone, CD player, etc.) connected to AUX IN (figure 2 – ref. 19)
- ⑧ MONITOR: Control the audio level of the monitor speaker on board the controller
- ⑨ MASTER: Control the level on MASTER OUT (figure 2 – ref. 20)
- ⑩ UNIT VOL: Sets the audio level of the monitoring loudspeaker of the microphones (figure 3 – ref. 6)



11. VIDEO CAMERA INPUTS: Connect these inputs to your camera. Up to 8 cameras max
12. VIDEO OUTPUT: Use this output to display camera video on an external video screen
13. PC CONNECTOR: Connect this socket to your computer to setup the software function.



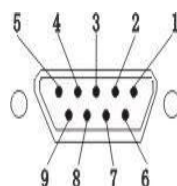
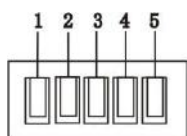
RS-232 (PC) female

- |        |        |
|--------|--------|
| 1- NC  | 6- NC  |
| 2- TXD | 7- NC  |
| 3- RXD | 8- NC  |
| 4- NC  | 9- ... |

14. CAMERA CONTROL CONNECTOR RS232 and RS-422

If you use dome in place of camera you can control pan and tilt move directly from software. Connect this socket to the control connector of domes.

Note : To know connections, read the user manual of the dome.



15. TREBLE GAIN: Rotate this control counterclockwise to emphasize high frequencies
16. AUX IN: Line level input (RCA). Connect this input to an audio source such as a CD player, etc.

17. MASTER OUT REC/LINE: Recording output (RCA). To record a conference, connect a recorder to this output, Unbalanced line level output
18. BAL OUT: Balanced signal output (male XLR). Connect mixer or amplifier to this output
19. MIC IN: Microphone input (TRS Jack 6,3 mm)
20. Automatic Gain/FS switch: Automatic gain for microphone and frequency shift function for microphone inner speaker, please off it when use other audio processor for external speaker.
21. DELEGATES: 4 group input per Chairman/Delegate unit. Up to 30 units can be connected to each line (do not exceed this quantity), or up to 64 units total
22. DATA: RJ45 interface, use for connect central control system
23. AC POWER SOCKET: Power 230VAC 50/60Hz , FUSE 8A

## System Diagram

