

# OWNER'S MANUAL

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## MULTI-FUNCTIONAL CONFERENCE SYSTEM



**EM-600 SERIES**

## Brief introduction

This system designed by the latest digital technology in accordance with IEC914 and ISO standards. It's a high effective Multi-functional meeting system for a meeting or conference, and it's easy to setting-up, debugging and using without training.

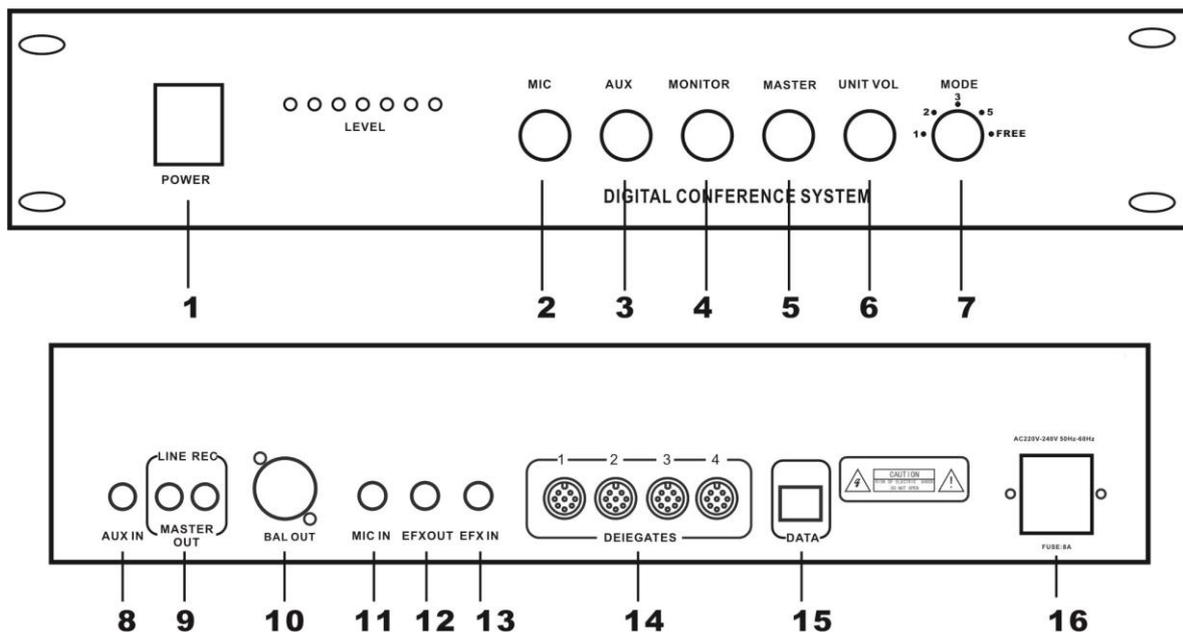
## 1.0 System Configuration

Main unit, Chairman Unit, Delegate unit, SYSTEM Cable.

## 2.0 Main unit

1. Designed accordance to ISO and IEC914 standards.
2. Built-in power supplying device and signal amplify, which can support more than 60 groups of microphone unit. The system can be extended to more than 200 units with extension power supply unit
3. Equipped with four groups of 8P-DIN plugs for system connecting.
4. Equipped with BAL socket.
5. Built-in volume processor for volume regulating.
6. System volume can be regulated independently.
7. Equipped with AUX input socket and the volume can be regulated independently.
8. Equipped with a group of wire microphone input socket.
9. Built-in monitor loudspeaker (1W) for volume regulating
10. MIC on number restriction.
11. Equipped with 9 LED indicator lamps.

## 2.1 Schematic diagram of the main unit



1. Power switch
2. Wire MIC volume control
3. AUX input volume control
4. Monitor
5. Master volume control
6. Microphone volume control
7. MIC on number restriction (SET.)----1/2/3/5/free configurable
8. AUX IN
9. MASTER OUT /REC OUT
10. BAL OUT
11. MIC input socket
12. EFX OUT
13. EFX IN
14. (LINE) 8P-DIN sockets
15. DATA PORT (connection video process)
16. Power supply jack (AC220V/50Hz)

### **3.0 Meeting microphone**

Meeting microphone can be divide delegate unit and chairman unit, portable series and embedded series

#### **3.1 Delegate unit**

1. Designed in accordance to ISO and IEC914.
2. Speaking and listening function.
3. 8P-DIN plugs for system T-type connection.
4. Unidirectional electret MIC and HIFI voice loud-speaker
5. Electric capacity type microphone equipped with windshield cover.
6. Extended pipe optional.
7. The annular red indicator lamp could show the state of the microphone.
8. The microphone has a speaking button and indicator lamp; it can control the state of speech.
9. Equipped with an earphone output jack ad REC output jack.

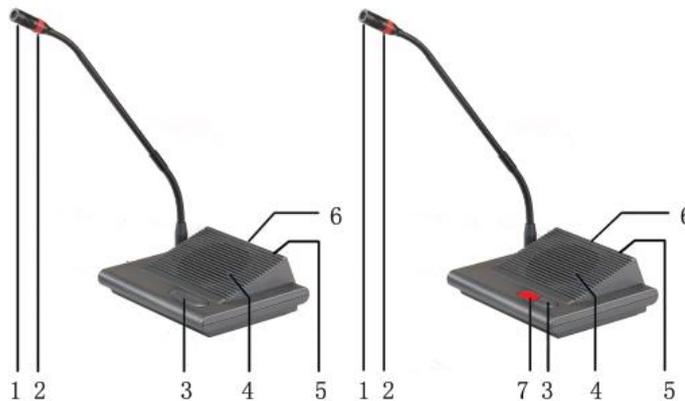
#### **3.2 Chairman unit**

Including the functions of the delegate unit, chairman unit has other following functions.

1. The chairman unit number in the system is unrestricted, can join in any position of the system.
2. Equipped with an earphone output jack
3. Turn down delegate MIC by press the priority button.

### 3.3 Schematic diagram of the meeting microphone

1. Unidirectional electret MIC
2. Annular red indicator lamp.
3. (TALK) ON/OFF button
4. Built-in loudspeaker
5. 8P DIN connection interface
6. Earphone jack.
7. Priority button. Chairman unit can turn down delegate MIC by press the priority button.



### 4.0 Setting-up and debugging

1. Put conference main unit and microphone to the council board.
2. Please connect the male plug of extension cable (13M) to 8PIN port (marked DELEGATES) of the main unit.
3. Please connect male plug of T-type cable to the female plug of extension cable, branch cable connects to the 8PIN port of the microphone.
4. Connect the microphone by branch cable one by one in the system.
5. Please embedding the cable in the ground if the cable should not be saw in the meeting room. (we will make the cable with size of conference projector drawing)
6. Please connect the EFX out port to balance input port of frequency shifter by audio cable, connect the EFX in port to balance output port of frequency shifter by audio cable.
7. Please connect mixer to output port of main unit if user use mixer.
8. Please connect the amplifier to LINE port of main unit
9. Please connect the speaker to the amplifier.
10. Please connect the recorder to REC port of main unit
11. After connecting the system well, turn off the power of the system (the main unit) and debug the main unit volume (VOL.) to minimum position, other volume control to middle position.
12. Connect the power cable to the main unit and Power supplier, and then turn on the main unit to check the power indicator.

13. Turn on one microphone; debug the volume by VOL control in the front panel of main unit to make sure the system volume is suitable for speaking and listening.

14. Please test the function of main unit one by one first.

#### 4.1 Operation of the delegate unit

Turn on the microphone by press the button (TALK), the red indicator is on, and then the inner speaker is off, you can make a speech. Press the button again, the red indicator is off, you can have a listening

#### 4.2 Operation of the chairman unit

The chairman unit is the same as the delegate units except an additional priority button. When this button is put on, the chairman microphone is turn on while the delegate microphone being turn off until the priority button is released. You can also adjust the Indicative music sound for chairman unit.

#### 5.0 Technical Data

| Model<br>Data  | Main unit<br>EM-600   | Microphone unit<br>EM-600c/d                   |
|--|---|--|
| Input/<br>Output   | 8P-DIN Socket (x4)<br>(LINE I II III IV) REC socket,<br>MIC input socket AUX input<br>POWER input | 8P-DIN Socket<br>REC output<br>Earphone output |
| Voltage  | AC220V/50Hz   | DC24V<br>(Supply by 8P cable)                  |
| Power<br>consumption   | 450W  | 2W   |
| Dimension  | 480X360X88mm  | 168X145X60mm/ MIC pipe 500mm                   |
| Sensitivity  | -56dB Wire microphone   | -44dB ±2dB                                     |
| Frequency<br>response  | 100Hz—18KHz   | 100Hz—18KHz                                    |
| Net Weight   | 9.3Kg   | 0.7Kg  |
| Color  | Black   | Black  |
| Installation   | 19-inch frame   | Removable                                      |
| We remain the right to modify any issue without notice in advance. |   |  |

**Caution:**

Please prevent the equipment dripping by water, do not put the liquid articles such as vase on the equipment.

The power switch of the equipment is monopole; please pullout the plug if the will not be used for a long time. The switch has already been turn on when the power indicator lamp is on, and the switch has already been turn of when the power indicator lamp is off.

This machine has no maintain part, for preventing electric shock from being dangerous, do not turn on the machine cover without permission. If need to maintain, please contact sale agent.

The appearance of the products is subject to material object; we remain the right to modify any issue without notice in advance.

**Schematic diagram**

