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Intelligently digital conference system

User Manual

TS-0602
TS-0602A

Before using the system, please read this manual first

NOTE

This manual only as an instructions for user, not for service purposes. From the date of issue, if the function or technical parameters change later, another supply mentary instruction will be added, the details can be inquired to the manufacturers.

This manual is a product manufacturer copyright, unauthorized and any entity or individual shall not take part or all the contents as commercial purposes.

This manual used for intelligent digital conference system.

⚠ SAFETY OPERATIONAL GUIDANCE

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In order to make sure the correct operation and safety using, please comply with the following conditions when installation, operating and maintenance.

1) Make sure the connection of the ground wire is well enough when installation. Do not use two-core plug. And make sure the input voltage of power supply is as same as the one marked on the main controller.

2) Do not open the cover of the unit without permission especially the high-voltage components marked with AC ~100V to 240V, or there is risk of shock.

3) Do not put the unit in extremely cold or hot place.

4) The unit will be heating when working. Please keep environment ventilation to avoid overheating.

5) Please power off the unit in wet weather or not in use.

6) Please disconnect the AC power wiring from the AC power supply before the below operations:

A. Remove or re-assembly any parts of the unit.

B. Disconnect or re-connect any plug of the unit or other connection.

7) Non professionals without permission, please do not attempt to open the enclosure, do not repair, in order to avoid the accident or exacerbation of equipment damage degree.

8) Don't take any corrosive chemical powders or liquids spilled in the equipment or in the vicinity of.

1. Intelligent Digital Conference System Overview

➢ Digital Conference System brings the benefits of innovative digital technology to discussion and conference systems. This high-tech series includes discussions and statements, simultaneous interpretation, infrared voice allocation, teleconference, voting, camera tracking system.

➢ Adhering to the concept of high system integration, DCS (Digital Conference System) + MCS (Multimedia central control system) work in close compatibility to offer a complete digital conferencing solution.

➢ This manual applies to digital conference system controller, speech unit, camera tracking system and telephone conferencing systems.

2. DCS control system

2.1 Features

➢ Innovative digital technology.

➢ Microphone with a red or green illuminated ring. Red indicates microphone is active; green indicates request-to-speak.

➢ Unique Microphone cover design, without using wind cotton cover, the "pop" low-frequency impact sound is also completely eliminated.

➢ The chairman unit is not limiting to the microphone mode and number of speakers.

➢ The Chairman unit has priority on complete control over conference proceedings. The Unit is available anywhere in the loop; "hand in hand" cable series connect mode, easy to install and maintain.

➢ Wind condenser microphone rod, professional cardioids condenser microphone core, high sensitivity and speech intelligibility.

➢ The microphone sensitivity is adjustable.

➢ The unit is powered by the system host, with safe input voltage range 24V.

➢ 8-core line "T" type connection.

➢ Two 3.5mm stereo output jack, for recording and connecting headphones.

➢ Built-in high fidelity speakers; with volume control; the built-in loudspeaker is muted when the Microphone is on to prevent acoustic feedback.

➢ Discussion and speech / automatic video tracking.

2.2 Nomenclature and functions

1. TS-0602A MIC On/Off.

2. PRIOR - microphone priority button. Chairman Unit (TS-0602) has unique priority; press this button at any time to cancel the speech rights of all delegate units, and turn on the MIC of the chairman unit.

3. TS-0602 MIC On/Off.

4.The connects to the port of the next conference unit.

5. REC - recording output.

1. 8 core interface pin diagram
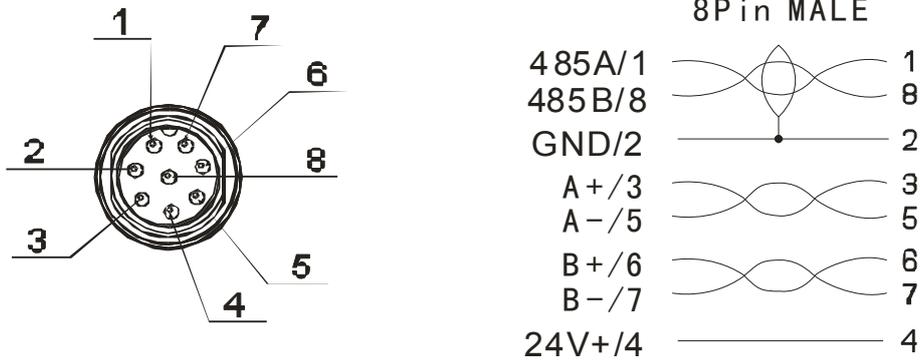
Connection diagram

Refer to the system connection diagram below, the basic equipment and cable as follows:

A. PC computer   1

B. Conference system host TS-0604M   1

C. embedded unit TS-0602/TS-0602A   2

D. two-meter cable   2

Refer to the above diagram; turn on the conference controller.

1) ID setting

Turn on the conference controller, switch SETID to ON; press ON / OFF on TS-0602/0602A, the microphone lights flashes and remains red, indicating that ID of this unit is set; and then press the ON / OFF of the next unit ... after the setup is completed, switch SETID to OFF, the lights go all out, ID setting success.

2) The sign:(click start in the first through the serial cable to the computer and conference host PC port; open the PC software "intelligent digital conference system")

Open computer PC software (Figure 1), click the sign control (Figure 2) to enter the sign control interface, select the sign in mode one the right side, then click Start sign (Figure 3), the attendance projection screen is displayed. Computer, press F2 on the computer, move the cursor to the bottom left of the quick control menu appears, select the sign-in (Figure 4), the red light on the microphone and the ON/OFF indicator of TS-0602/TS-0602A starts blinking. When you press the microphone button (ON / OFF button), the indicator is on, you can see there is a change on the data of the projector; click end signing, the sign is completed.

3) Priority

Chairman Unit (TS-0602) has unique priority, press this button at any time to cancel the speech rights of all delegate unites, and turn on the MIC of the Chairman unit.

4) Headphone output and recording output:

After input background music through the conference host, when the speech function of the MIC is off, the built-in speaker of TS-0602/TS-0602A is active; When the MIC is on, the speaker is muted; When the speech function of the MIC is off, if headphone or recording interface is inserted, the speaker is muted and audio comes out from the headphone and recording port.
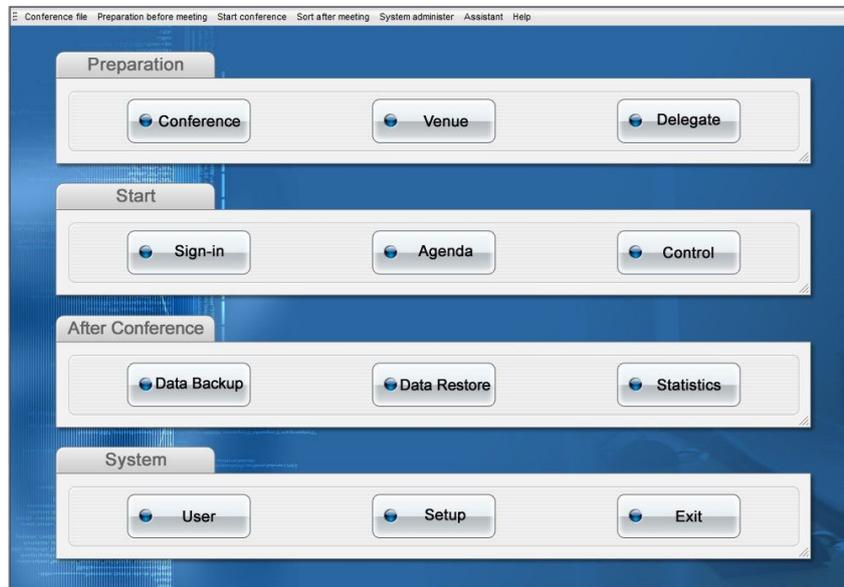
Figure 1
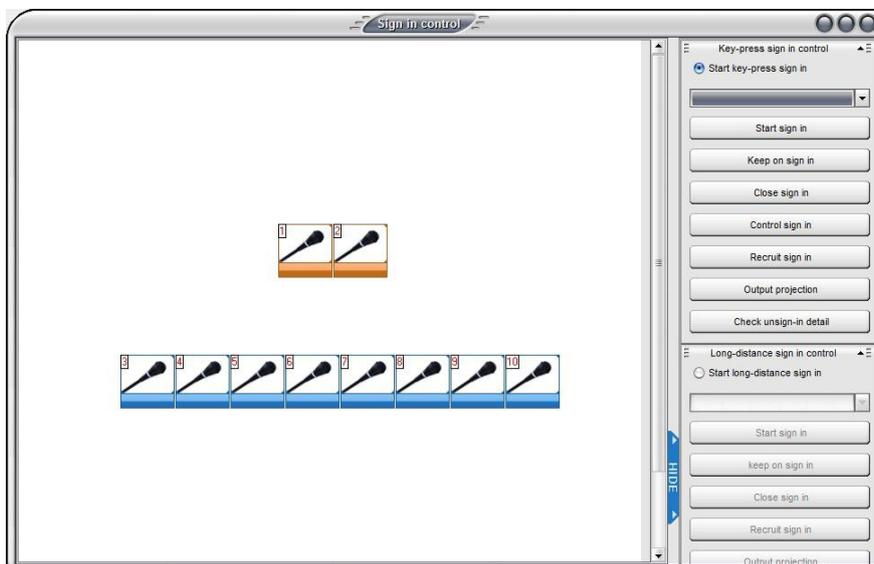
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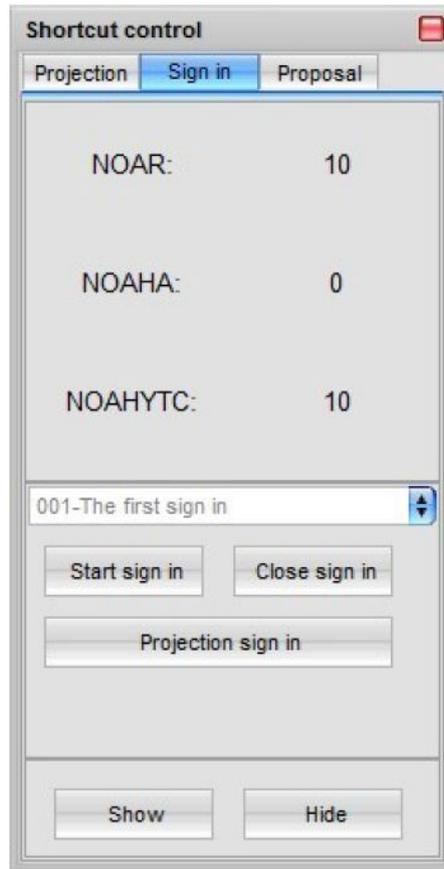
Figure 3

3. Technical parameters

Model	TS-0602	TS-0602A
Power	DC24V(host power supply)	
Unit Interface	8 core plug	
Power consumption	2W	
Headphone output	9dBu, 8-32Ω, 3.5 mm mini jack	
Speaker Power	≤2W	
Microphone type	high directivity column diode	
Projection type	heart	
Signal-to-noise ratio (S/N)	> 80dB	
Crosstalk attenuation	> 80dB	
Distortion	< 0.10%	
Frequency Response	80Hz~16kHz	
Equivalent noise	≈20dB SPL	
Maximum SPL	105dB(3% threshold)	
Sensitivity	~22dBv/Pa	
Microphone rod length	41.5 cm	
Color	Black	
Size	144×128×62mm	
Weight	0.86Kg	

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