



Intelligently digital conference system

User Manual

TS-0627

TS-0627A

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**



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

About ITC intelligent digital conference system

- Intelligent digital conference system is a high-tech series including discussion speech, simultaneous interpretation, infrared voice distribution, teleconference, voting, and camera tracking and so on.
- Adhering to the idea of highly integration, it meets the close compatibility of DCS (Digital conference system) and MCS (Multimedia central control system), forming a comprehensive intelligent conference system.
- This manual is applicable to intelligent conference system control unit, the speech unit, camera tracking system and the telephone conference system.

2. DCS control system

2.1 Features

- Unique patented technology, special anti-RF radio frequency interference hose, completely eliminate from noise, presenting a perfect senior conference environment.
- Unique patented technology fully embodies the world aesthetic trend.
- Unique microphone cover, without using windproof cotton cover, the "bubbling" low impact sound can be completely eliminated.
- large professional heart-shaped condenser microphones core, high sensitivity and speech intelligibility, with red, green double color indicating light.
- The annular red indicates the MIC is working; the green annular light indicators someone is applying for speech.
- Anti acoustic feedback; when the microphone is turned on, the built-in loudspeaker will automatically shut down.
- With the IC card sign function.
- Built-in speaker, headphone jack, headset volume is adjustable.
- 8 core professional aviation plug for cascade; with a well-fixed metal nut.
- With 2 meters 8 core wire, with complete aluminum foil and cable shielding, reducing electromagnetic interference on the wire and avoid noise.
- All unit address code can be freely adjusted, convenient for construction.
- The unit is a passive device, powered by the host, 24V, belonging to the safe range.
- Chairman unit is free to the speaker numbers.
- The chairman unit has top priority on controlling the order of the meeting, you can approve or reject the application of the representative unit.
- Connection position of the chairman unit not restricted, can be connected in series at any position of the line. "Hand in hand" cable serial mode, convenient for installation and maintenance.
- 5 function key can used for voting, election and conference evaluation.
- Key indicating lamp with real-time voting state prompting function; Speech unit can apply or cancel the speech.
- The LCD display screen can display is the operation of the voting, voting patterns, sign pattern.

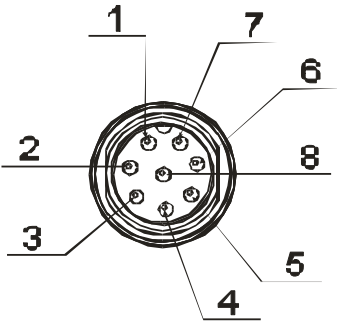
2.2 TS-0627/0627A Function introduction



- 1. ON/OFF -- MIC switch key.
- 2. PRIOR -- the microphone priority keys. Chairman unit (TS-0627) has special priority, press this button to cancel all speaking unit speech authority at any time, and to open the chairman MIC.
- 3. The digital 1~5 key – vote and sign function keys.
- 4. CARD -- slot.
- 5. The VOLUME -- volume adjustment.
- 6. The headphone output.

NOTICE

1. 8 core air interface pins function:



8Pin MALE

485A/1		1
485B/8		8
GND/2		2
A +/3		3
A -/5		5
B +/6		6
B -/7		7
24V+/4		4

Follow the list below to configure the system, the basic equipment and connecting lines are as follows:

- A. PC computer 1
- B. conferencing system host TS-0604M 1
- C. voting conference unit TS-0627/TS-0627A 2
- D. 2m cable 2

Connecting as above picture and turn on the conference host

1) ID Setting

Turn on the conference host, and turn the SETID switch on the host to ON position. Then begin setting the ID. Pressing ON/OFF button on TS-0627/TS-0627A, the mic lamp will flash and then keep in red, which means the success of ID setting. After that, press ON/OFF button and turn the SETID switch to OFF to turn off all the mic lamps.

2) Sign in before meeting – using the serial port line to connect the computer with the PC interface of the conference host

Open the software in the PC and click Sign-in Control to the interface. Select the sign-in mode at the left side and click Sign-in to the interface. Then press F2 key and move to bottom left to view the shortcut menu, and select Sign-in item. The ON/OFF indicator on TS-0627/TS-0627A will begin to flash. When pressing ON/OFF button on the mic, the indicator will be on. But you could see there is some data change on both of the projector and the display of the unit, which means the success of sign-in and you could go on sign-in the next unit. After all the units are signed in, click sign-in finish.

Only the Chairman Unit could activate sign-in function. Press “YES” for 3 seconds to activate sign-in and enter sign-in status. Long press ON/OFF button to sign in. Press STOP button on Chairman Unit to quit the sign-in mode.

3) Conference Voting

Selecting the discussion mode and choose voting option, then click voting start. At this time, the three buttons YES, ABSTAIN and NO will flash. Press any of them, you will see there is data change on the projector and display of the unit. The result will be the last press button. If finishing the voting, then just click finish.

Only the Chairman Unit could activate sign-in function. Press “YES” for 3 seconds to activate sign-in and enter sign-in status. Long press ON/OFF button to sign in. Press STOP button on Chairman Unit to quit the sign-in mode.

4) Conference Voting

Selecting the discussion mode, choose VOTE and then click START VOTING. The digital keys will be flashing. Pressing any of them, you could see there is some data change on the projector. The result will be the last press button. If finishing the voting, then just click finish.

5) Conference evaluation

Selecting the discussion mode, choose rating option and then click START VOTING. The digital keys will be flashing. Pressing any of them, you could see there is some data change on the projector. The result will be the last press button. If finishing the voting, then just click finish.

6) Headphone output and record output

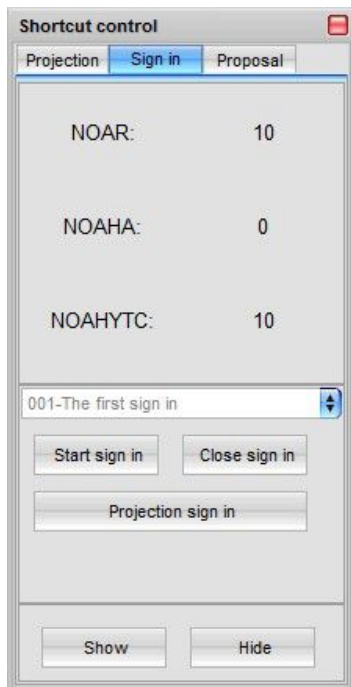
After inputting background music by the conference controller, you could hear music from the speaker built-in TS-0627/TS-0627A when the mic is not used. But once the mic is used, the speaker will stop playing music. If connect the headphone or record interface, the speaker will be mute and the audio will be output from the headphone.

7) Chinese-English Shift

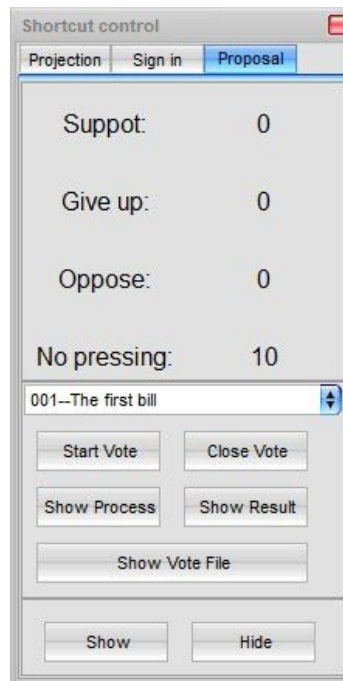
Long press ON/OFF key till there is display of Chinese-English Shift.

8) IC plug-in card function test

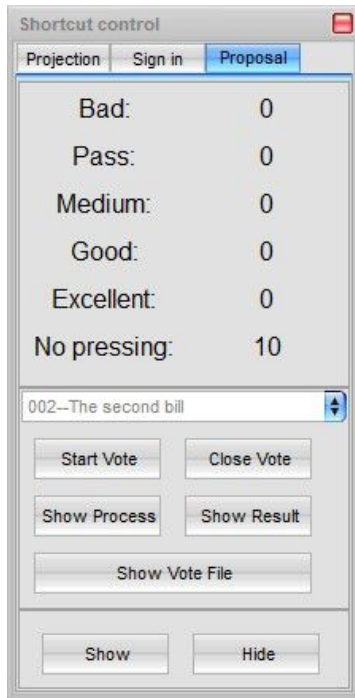
In the sign-in mode, if insert the IC card, it means registration; otherwise, the screen will only display the LOGO.



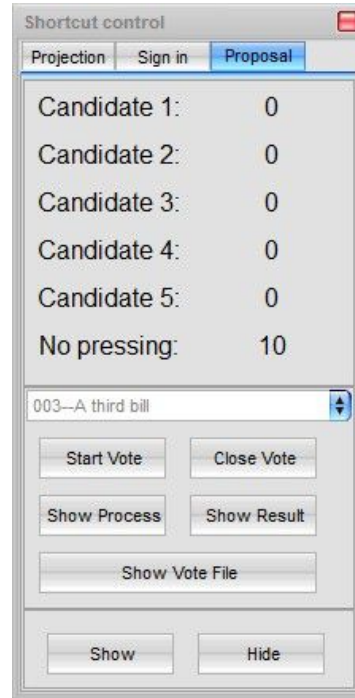
Picture 1



Picture 2



Picture 3



Picture 4

3. Technical Parameters

Model	TS-0627	TS-0627A
Power Supply	DC24V (powered by the controller)	
Connector	8 pins particular connector	
Power consumption	3W	
Earphone output	9dBu, 8-32Ω, 3.5mm mini socket	
Speaker power	≤2W	
Microphone type	High directivity electric microphone	
Directivity	Cardioid type	
S/N	> 80dB	
Cross-talk	> 80dB	
Distortion	< 0.10%	
Frequency Response	80Hz-16kHz	
Equivalent noise	≈20dB SPL	
SPL Max SPL	105dB (3% Threshold)	
Sensitivity	-22dBv/Pa	
Tube length	41.5cm	
Color	Silver grey	
Dimension	161×141×40mm	
Weight	0.8Kg	

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