



# **Intelligent Digital Conference System**

## **User Manual**

**TS-0621**

**TS-0621A**

**Before using this system, please read this manual carefully**

## **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**

### **Features**

1. Unique patented technology; with anti-RF tube to prevent noise and secure a perfect conference environment.
2. Unique patented appearance, delicate and modernize.
3. Special microphone head design, even without cotton cover, it can also eliminate the low frequency impact sound.
4. Professional heart-shaped capacitor microphone core; with high sensitivity and clear voice; with red and green annular indicator light.
5. Red indicator light means MIC is on; green indicator light means applying for talking.
6. With feedback function. When microphone on, built-in speaker will be off.
7. Built-in speaker and earphone jack, earphone volume is adjustable.
8. The unit cascade with a professional 8-core aviation plug with a metal fixed nut, which will not loosen or fall off.
9. The unit comes with a 1.8-meter wire, and the wire is shielded by full-line aluminum foil + waterline, which greatly reduces the interference of strong electromagnetic waves on the wire to avoid noise.
10. The address code of each unit can be adjusted freely at any time to facilitate construction.
11. Mic units power supplied by conference controller, 24V DC, safety use.
12. Chairman unit is not limited by numbers when talking.
13. Chairman unit has the priority right to control delegate unit.
14. Chairman unit position is no limited, it can be placed anywhere according to user demands.
15. Hand in hand connection, easy for installation and maintenance.

### 3. Function Introduction

TS-0621:



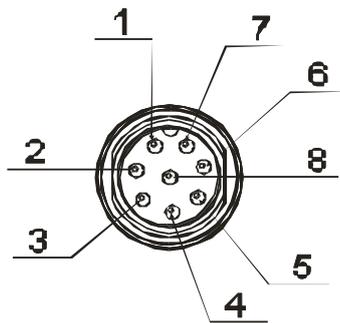
TS-0621A:



- ① Loudspeaker.
- ② Port to connect the goose MIC.
- ③ MIC switch key.
- ④ Microphone priority button. Chairman unit (TS-0621) unique priority, press this button at any time to cancel permission to speak is to speak on behalf of all units, and open the MIC unit of the President.
- ⑤ The volume adjusting knob.
- ⑥ The headphone output.

**NOTICE**

1. 8 core air interface pins function:



**8Pin MALE**

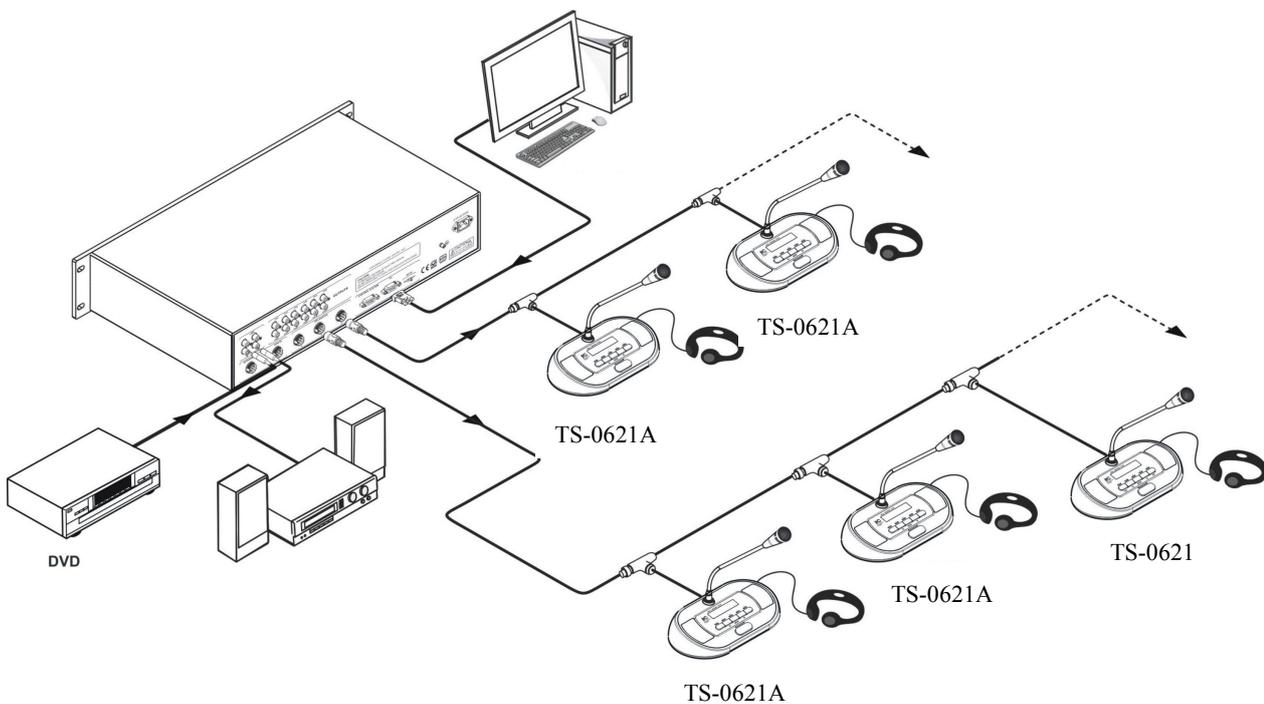
485A/1		1
485B/8		8
GND/2		2
A+/3		3
A-/5		5
B+/6		6
B-/7		7
24V+/4		4

**Connection Graphic**

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

- |                                    |      |
|------------------------------------|------|
| A. PC computer                     | 1pc  |
| B. Conference system host TS-0604M | 1pc  |
| C. Embedded unit TS-0621           | 1pc  |
| D. Embedded unit TS-0621A          | 4pcs |
| E. DVD device                      | 1pc  |
| F. Sound system                    | 1pc  |
| G. 2m aviation T-line              | 2pcs |

**Wiring diagram**



### 1) ID Setting

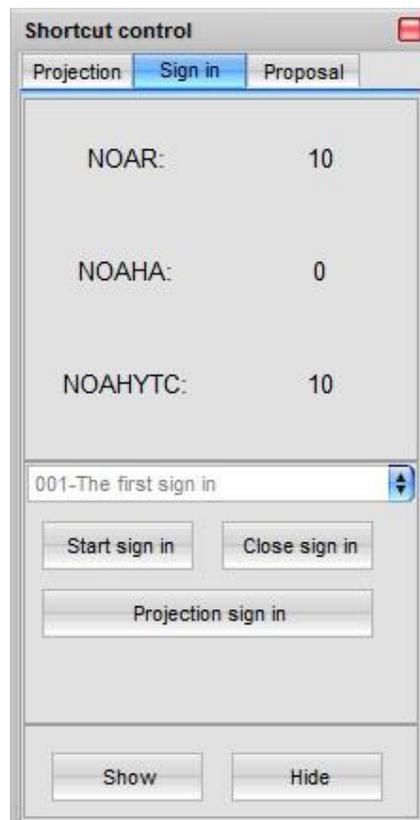
Turn on the conference host, and turn the SETID switch on the host to ON position. Then begin setting the ID. Pressing ON/OFF button on TS-0621/TS-0621A, the mic lamp will flash and then keep in red, which means the success of ID setting. After that, press ON/OFF button and turn the SETID switch to OFF 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-0621/TS-0621A 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.

### 3) Headphone output

After inputting background music by the conference controller, you could hear music from the speaker built-in TS-0621/TS-0621A when the mic is not used. But once the mic is used, the speaker will stop playing music. If connect the headphone interface, the speaker will be mute and the audio will be output from the headphone.



## 4. Specifications

Model	TS-0621	TS-0621A
Microphone Type	Heart-shaped directional electret	
Frequency Response	80Hz~16KHz	
MIC input Impedance	1K $\Omega$	
Sensitivity	-34 $\pm$ 2dB(0dB=1V/Pa,at 1kHz)	
Max SPL	100dB(THD>3%)	
SNR	>80dB	
Crosstalk	>70dB	
Dynamic Range	>80dB	
THD	<0.1%	
Max Consumption	2W	
Earphone Load	8-32 $\Omega$	
Earphone Volume	Max 40mW	
Earphone Jack	3.5mm Mono jack	
Standard	IEC60914	
Connector	1.8m Aviation 8 core	
Power Supply Mode	DC 24V	
Color	Silver	
Weight	0.9kg	
Microphone Length	409mm	
Dimension(mm)	225(L) $\times$ 131(W) $\times$ 48(H)	
Mounting	Desktop	

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