



Fully Digital Congress System

User Manual

TS-0204

TS-0204A

Before using this system, please read this manual carefully

Notice:

This manual is only used as the operation instructions of users, not for the maintenance service. After issuing, if any changes of functions or related data, will offer additional explanation, please ask the supplier for more details.

This manual belongs to its manufacturer's copyright, without permission, any agent or person cannot take parts of manual or all contents as a business purpose.

This manual adjusts to the fully digital conference system.

Important Explanation



Warning

In order to make sure the reliable operation and the users' safety, please comply with the followed matters when installing, using and maintaining.

- If appear any abnormal situations as below, please turn off the power supply immediately, pull out and contact with your nearby dealer promptly. Please don't continue to use, otherwise it can cause the fire or electric shock.
- If find smoke or strange taste from this machine.
- If find water or metal dropping in it.
- If it falls downs or its main case is damaged.
- If its wire is damaged (wire cord exposing, broken line, ect.)
- Because it owns high pressure parts, in order to avoid fire or electric shock, please don't open its main case, if any question, please call the dealer.
- Please don't put glass, bowl, vase or other metal and other matters that have water on this machine. If do that, it will cause the fire or electric shock.
- Please don't make this machine expose in the rain or other moist or the places that are easily full of water, which will cause fire or electric shock.
- Please don't put the metal or inflammable matters on the air vent of this machine's cover plate, and don't put in the coins, which will cause fire or electric shock.
- Please don't put heavy matters onto the machine to avoid the person damage or property loss when it is back falling.
- Please turn to low volume before opening, as the over-large volume can lead to the listening problem.
- Please don't continue to use when distortion, which means the problems that can cause the high temperature and fire in the internal parts of this machine.
- If want to clean because of long-time accumulated dust, please inform your dealer to clean the machine timely to avoid the damage or fire.
- These products are I kind equipment, this equipment must be well connected with the grounded socket, the power supply plug must be connected with the power socket that has the grounded functions to assure the equipment connect with the ground sufficiently.
- If use its power supply plug and machine Coupler as the disconnecting equipment, which means disconnect this equipment should keep the simple operation.
- This equipment is only used in AC ~220V/50Hz.
- Because of the continuously upgrading appearance, functions, the details please subject to the entity and this manual final interpretation authority belongs to ITC.

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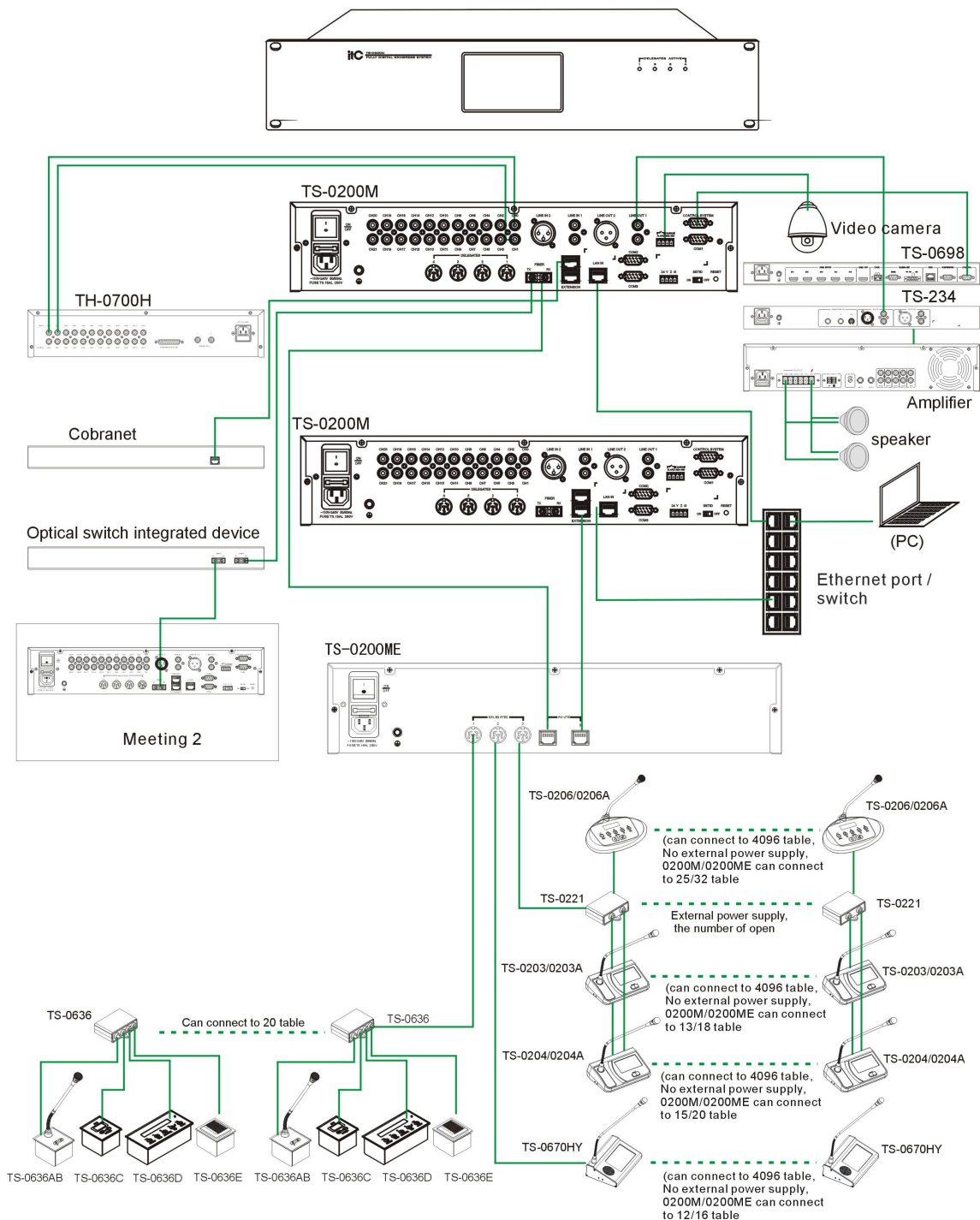
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1. System Introduction

1.1 System Description

Full digital conference system adopts the ITC original with completely independent intellectual property rights of network communication and digital transmission processing technology, digital technology and network technology was applied to conference system products, so it have a new breakthrough changed in the conference field.

1.2 System connection diagram



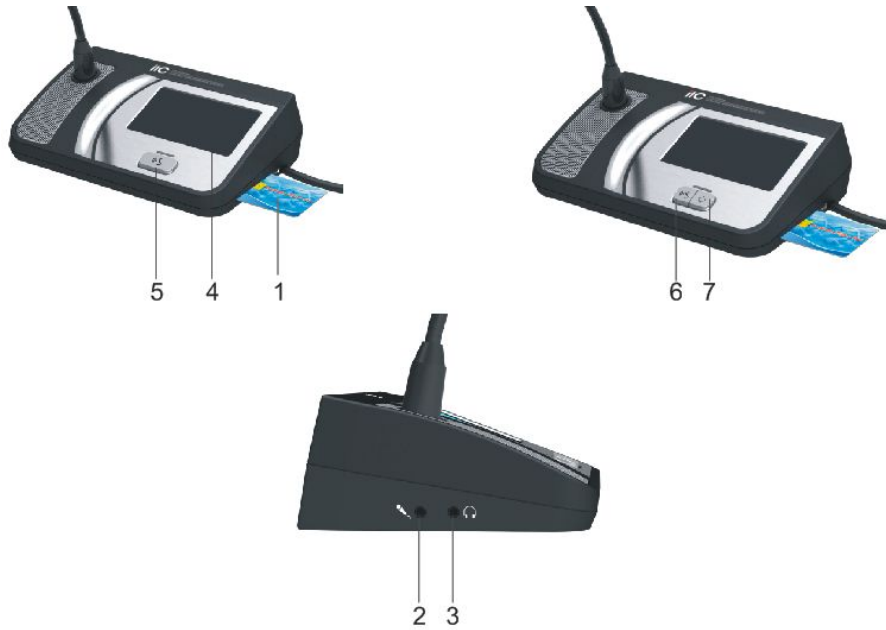
2. Product Description

TS-0204 is chairman unit, TS-0204A is delegate unit, it has the function of discussion, vote, IC card attendance, video tracking. Delicate and elegant desktop type, very modernize design. Have a key, a vote and IC card inserted into the interface, 4.3 inch TFT true color touch screen, the operation is simple, the participants only need to gently press spokesman can speak, built-in speaker and headphone jack, have professional DSP processing, the sound quality is clear, the speaker voice clarity. Internal feedback inhibition function, which can effectively prevent the noise. The chairman unit TS-0204 has the permissions button, have priority to completely control-order in the meeting, a vote, sign function.

2.1 Features

1. Microphone adopt 48KHz sampling rate, higher than CD sound quality, the voice is clear and bright. Internal DSP audio processing, there is no low frequency sound.
2. Speak to speak with timing and timing functions, control spokesman time.
3. Delegate unit has applied for speech function, the chairman unit can approve the applicant.
4. Internal feedback inhibition function, can effectively prevent the noise.
5. The Microphone has the voice control function, can intelligent turn on the microphone.
6. 5 Section EQ regulating function, different sound effects can be adjusted according to the characteristics of the speaker's voice, to achieve perfect effect.
7. The chairman has the priority function, can turn off the Microphone of delegate units during speech.
8. 4.3 inch TFT true color touch screen, simple operation, friendly use function.
9. With 100M network transmission to realize hand in hand cascade, Sound quality will not have any effect in long distance transmission.
10. With functions of IC cards signed in can show participants' unique characteristics.
11. Support the vote, election, rating function, chairman unit can set vote, check-in. can do data statistics without PC.
12. Can choose receive (15+1)/(31+1)/(63+1) channel language.
13. Long-distance transmission will not have any impact on the sound quality.
14. support three way of voting.
 - A) Voting: agree/waiver/against
 - B) Election/survey: 1/2/3/4/5
 - C) Response/comment: --/-/0/+/>++
15. Support SMS warning function.

2.2 Various parts of products introduction



- ① Registration card slot port.
- ② headset microphone port.
- ③ headphone output.
- ④ 4.3 inch touch screen.
- ⑤ Microphone on behalf of unit key.
- ⑥ chairman unit microphone on the key.
- ⑦ chairman unit microphone priority button.

Main technique parameters

Microphone type: Heart-shaped directivity electret

Directional 0°/180°: >20dB

Microphone Frequency Response: 80Hz~16KHz

Microphone input impedance: 1KΩ

Sensitivity: -46dBV/ Pa

SNR: >80dB

THD: <0.1%

Output Frequency Response: 125Hz~12.5KHz

Maximum power consumption: 5W

Headphone load: 32Ω

Headphone Volume: Maximum 40mW

Headphone output interface: 3.5mm mono jack

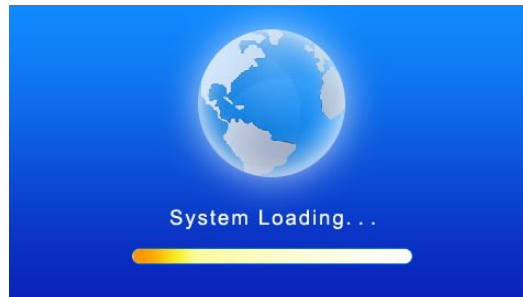
Connection: dedicated cable (6-pin)

Connector: airlines seat -16 six-cell

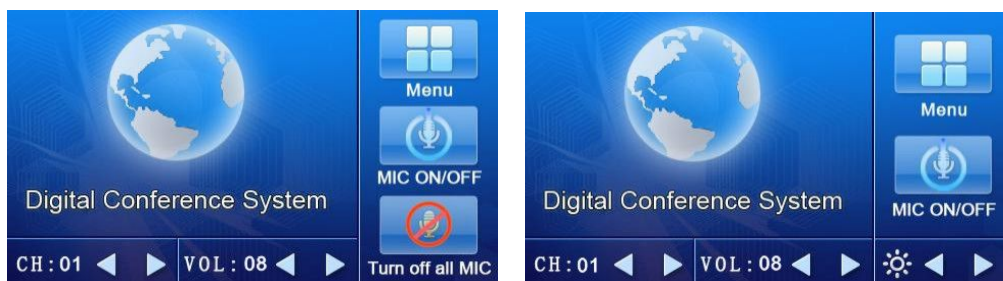
3. TS-0204/0204A Operation Manual

3.1 Booting

Power on the host system to start the meeting, unit machine screen display "System Loading ...", the start up page as follows.



After completion of the boot LOGO interface touch screen display, if the machine is not normal, you can not automatically switch to LOGO interface. Correct LOGO interface is as follows:



Chairman unit

Delegate unit

3.2 Unit Type

Chairman unit has a microphone key and priority key, touch screen, turn off all delegate microphones, English switch, channel switch, volume control, brightness adjustment, tea application initiating attendance and voting, attendance and voting response operations. Representative unit has microphone key, but without priority key, you can switch the microphone on the touch screen, in English and switching, channel switch, volume control, brightness adjustment, tea apply, attendance and voting response operations.

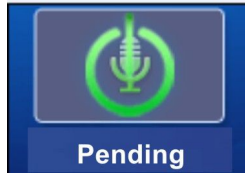
3.3 Conference Management

Unit machine by switching the microphone conference management control, the permission is from the meeting host configuration.

Press the MIC switch button can switch the microphone unit is shown below:



In APPLY mode, when the applications on behalf of open mics, representatives shown below:



Chairman of the machine at this time are shown below.

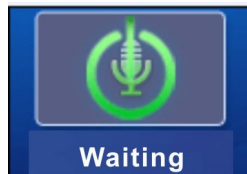


Then press the button to agree or disagree, on behalf of the application is turned on or off according to the FIFO mode.

The number of full prompt the user when the number of applicants is full.



In NORMAL mode, exceed the number of delegate units will go into a wait state.



By pressing the priority button of Chairman of the machine , turn off the microphone for all delegate and chairman unit open the mic.

Representative unit is shown below:

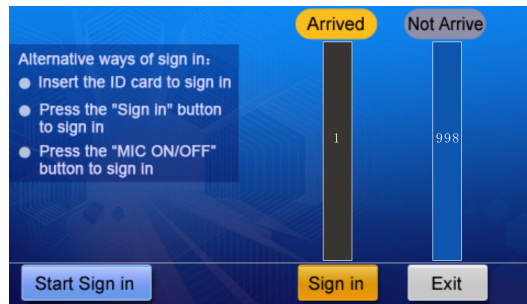


3.4 Sign in

Going into the menu page of Chairman unit, press the "launch sign" button to enter the sign control page, as shown below, then you can see the results of the last sign. Press the "Start Registration" button, send hardware attendance.



Chairman unit menu Interface



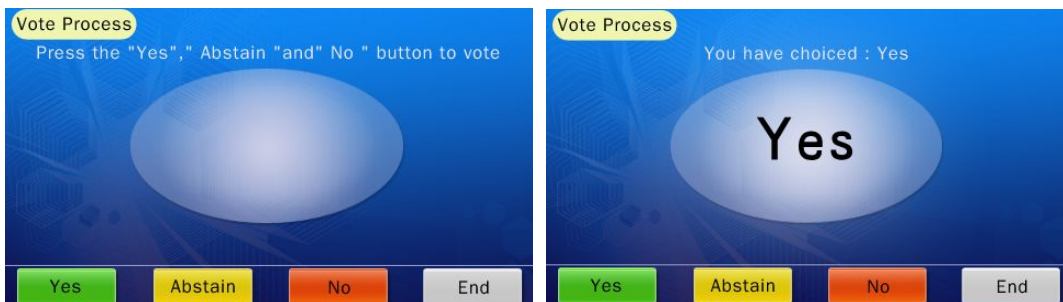
Chairman unit sign control interface

At this point you can view on the touch screen display and has not yet reached the number of attendance numbers, you can also initiate attendance by PC software. At this point you can select by pressing the microphone key unit machine, press the "sign" button to insert the card in three ways to sign , the sign will be displayed after the machine has been to sign and add a number of people, not yet reached the number minus one. Press the Exit button to end and exit sign.

If the Chairman of the machine sign function is disabled, press the start button on the sign, the touch screen will prompt ban sign, then turn on the PC need to sign function.

3.5 Vote

Enter the chairman unit menu page, press the launch vote button to enter the vote menu page, then you can choose to view the results of the last vote. Press the Start button to vote to initiate the hardware three key vote. Press favors, abstention, opposition to vote, after pressing the screen stops flashing. All units will show all the voting result after press end button, and then press the exit button to return to the main page, chairman unit menu page, as shown below:



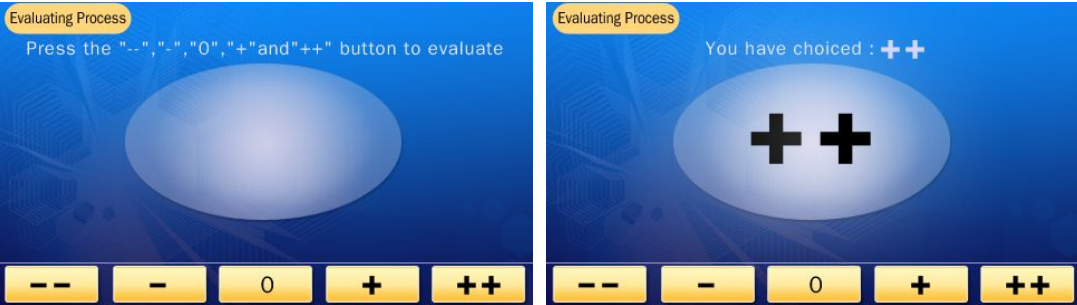
Three key vote on behalf of the unit response page as below:




PC software can be launched five key election, press the corresponding button, select a result, as shown in the figure below:



PC software can be launched five key rating, press the corresponding button, select a result, as shown in the figure below:



3.6 Channel selection

Chairman unit and delegate unit on the page icon LOGO  channel switching current audio listening, you can choose to listen to different sound channels manually (with power-down save function), where 0 is the original sound output channel, and the remaining 15 for translators machine output channels. (NOTE: Depending on the type and grade, respectively (15+1) / (31+1) / (63+1) channel-language products)

3.7 Fire Alarm

When the controller launched fire alarm messages, the "Fire Warning "prompt will be displayed on the unit screen machines, the screen shown below, in the condition of fire alarm, mi rod will be the red light flashing, until the controller to cancel the fire alarm, unit to recover before the alarm state.



3.8 Chinese-English Switch

From the LOGO page click the menu button to enter the menu page, click language Settings

button to enter Chinese-English switch pages, power-down save. Settings page is as follows:



3.9 Timing speech and speech timekeeping

This function need to switch controlled by the PC software, please refer to the PC user manual. Its function is to switch the phone, in the timing speech, PC issued regularly speak of time, the unit will display the countdown time remaining presentation, the time to automatically shut down after phone, timing speech only for the delegate unit effectively, the chairman of the unit is invalid; when speech timekeeping, PC specify the unit to speech timekeeping unit time accounting has spoken.

3.10 Audio Adjustment

This function requires a PC software control to switch from the meeting, please refer to PC user manual in details..

3.11 Short Message Tip

This feature requires a PC software control to switch from the meeting, please refer to PC user manual in details.. Its function is that PC can single launch / broadcast messages to the display unit machine display, reminding unit local user.

3.12 Tea Application Functionality

Enter the menu page, as shown below, Click on tea button is to apply for tea from PC software, the PC software tea application will light up to alert, chairman unit and delegate unit menu page as shown in the figure below:

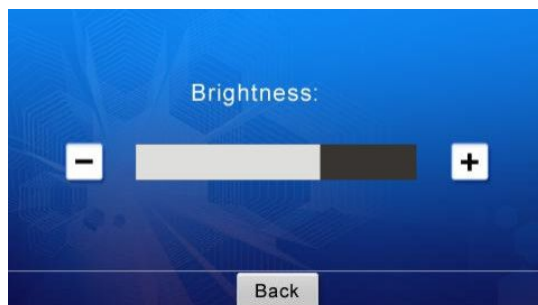


Chairman unit

Delegate unit

3.13 Screen brightness adjustment

Chairman unit enter the menu page, click on "Brightness Adjustment" button to adjust the screen brightness chairman unit, the screen brightness adjustment range of chairman unit is: 0 to 64; brightness adjustment delegate directly unit icons in the lower right corner of the page LOGO



chairman unit brightness adjustment delegate

3.14 volume adjustment function

All units of volume adjustment buttons are available on the bottom of the page LOGO



shortcut key to manually adjust the volume level of which is divided into 0 to 14,0 mute, 14 is the maximum volume.

3.15 Electronic nameplate function

Radio electronic nameplate information can also be used for single or multiple units, electronic nameplate information also displays on the touch screen page logo in the upper left corner, the information can not be more than 8 characters or 16 English characters, power-down save.

As shown below:



3.16 Other Function

Insert the headset microphone can use the headset microphone to talk, it will be mute when insert the headset output, voice output by headphone output.

Full Digital Congress System

