itC

Simple Intelligent Conference System

User Manual

TS-0605M

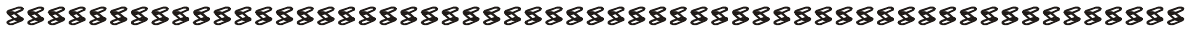**Before using the system, please read this manual first**

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 Simple Intelligent 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. Simple Intelligent Conference System overview

About ITC Simple Intelligent Conference System

Simple Intelligent Conference Host, Using the ITC second generation r&d high-fidelity sound source circuit design,First realize MP3 recording function conference host, Meeting with a variety of mode selection (select the number of speakers, speech mode selection), Easy to use, stable performance, with other conferencing systems work incomparable superiority.
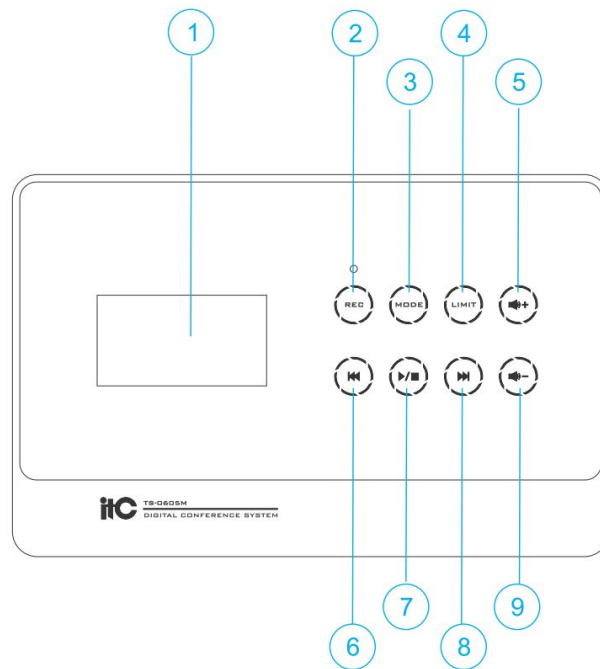
2. Function characteristics

1. Built-in recording function and SD interface
2. With auto setting ID function, easy for operation
3. Adopt digital equalization module and noise reduction processing module for audio processing, to ensure clear and good sound quality. With 1 channel audio input and 1 channel audio output.
4. Smart touch buttons, easy operation. With recording, playback control, mode, quantity switching and volume shortcut key.
5. With 4 meeting modes: FIFO; NORMAL; VOICE; APPLY.
6. Spokesman quantity limitation: option for 1, 2, 4, 6. Chairman is not restricted.
7. Support Max 30 pieces microphone units.
8. Hand in hand cable connection way, easy for installation and maintain.
9. With 1 group original audio channel output to connect amplifier.
10. With 1 group original audio channel output to connect external recording device.
11. Support 24V DC power supply.
12. Control unit enclosure and circuit both has the connection with ground line, to ensure the function of antistatic 6000V.
13. Delicate desktop design.
14. With 3.5mm headphone jack.
15. Adopt 8 core aviation plug.
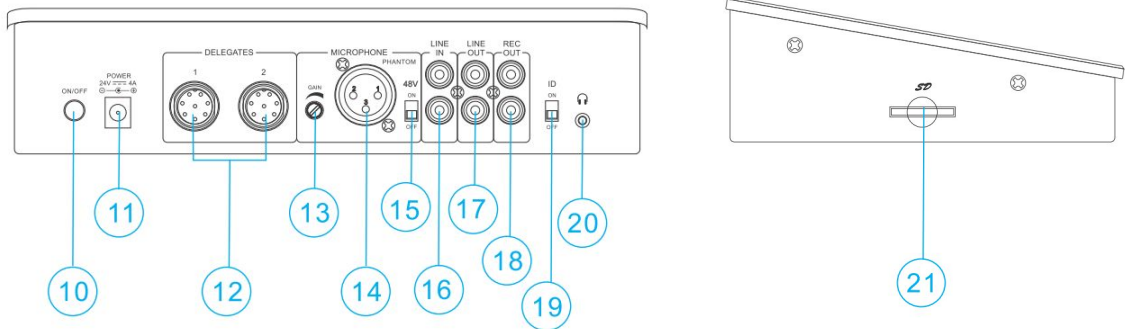
3. DSC controlled system

Description of Product

TS-0605M Conference master controller

3.1 Front Panel

1. LCD display screen.

2. Recording button(Touch type) and indicator lights.

3. Mode switch button (Touch type).

4. Phone number switch button (Touch type).

5. Volume+Key (Touch type).

6. Previous button(Touch type).

7. Play and pause playback button (Touch type).

8. Next button(Touch type).

9. Volume button(Touch type).
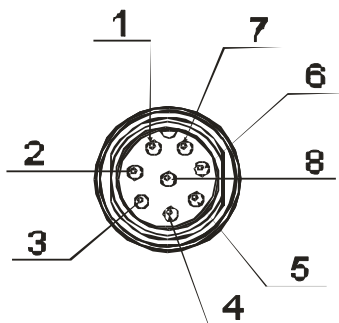
3.2 Back Panel

10. Power switch.

11. 24V/4A Power adapter socket.

12. Conference unit interface is to supply power and communication to conference unit, two way interface, can only connect total 30 units (15 for each way).

NOTICE

Unit 8 core air connector foot function description

13. External microphone gain adjustment knob.

14. External microphone interface.

15. 48V Phantom Power Switch.

16. Background music input interface.

17. The aux line output interface.

18. Audio recording output interface.

19. Edit ID switch.

20. 3.5mm headphone jack.

21. SD card jack.

4. Operating Instructions

1) Turn on conference host

When turn on conference host,it will show the current meeting mode,microphone number, volume, SD card, if you insert the SD card correctly, it will also show mp3 files.

There is three display area from top to bottom in screen, each display area is separated by "-- -- -- " .The first display area shows the current meeting mode and the current volume;The second display area shows the current microphone number and card icon (it will show only insert SD card , otherwise it won't show).Third display area is divided into two lines, the first line shows the current mp3 files and time (when insert SD card and MP3 files in "MUSIC"catalog are identified correctly,it will show this line information, otherwise it won't show), the second line shows the total number of mp3 files in the "MUSIC" directory in current SD card, if SD card doesn't be inserted , then it will show "There is no SD card!".

2) Edit ID function

Edit ID: Turn the edit ID switch of host into ON,the conference unit will enter edit ID status, press conference unit microphone key and start to edit your ID.

End ID editing: After turning edit ID switch into OFF , the host needs to be end ID polling, takes about 5 s.

3) The conference microphone management functions

When switch microphone number and the mode, the unit status will be reset, and the corresponding microphone number and mode on the screen , it will save when off electricity.

① FIFO mode, the microphone number 1, 2, 4, 6.

Fifo mode: when the turn on microphone total number is less than N, delegate unit will turn on microphone directly when the turn on microphone total number reach N , The delegate unit will keep FIFO . Chairman unit is not restricted.

②The NORMAL mode, the microphone number 1, 2, 4, 6.

Normal mode: When the turn on number of delegate unit reach N,if you turn on more other delegate unit, it will enter waiting mode, the MAX number of waiting unit is N. If you open the microphone of waiting unit,it will exit the waiting state. When a unit is closed, the earliest waiting unit in the current all waiting unit will open microphone automatically. Chairman unit is not restricted.

③VOICE mode, the microphone number 1, 2, 4, 6.

Voice control mode: In this mode,the microphone with function of voice control (such as: TS

- 0603 and TS - 0603A) could open the microphone by voice. When the turn on number of delegate unit reach N,if you turn on more other delegate unit, it will enter waiting mode, the MAX number of waiting unit is N. If you open the microphone of waiting unit,it will exit the waiting state. When a unit is closed, the earliest waiting unit in the current all waiting unit will open microphone automatically. If you do not use voice to control it,the operating principle is the same as NORMAL mode.

④The APPLY mode,the microphone number 1, 2, 4, 6.

Application mode: when open the microphone of delegate unit, it is launching an application to Chairman unit, at the same time, the third button of chairman unit(with voting function) will flash, if the chairman unit has screen, the screen will show "delegate unit apply for open microphone," Chairman unit press the third button as "agree" , if the chairman unit does not press the button as "agree" , it will withdraw application of delegate unit automatically after 15 seconds. The max application microphone of delegate unit is N,when delegate unit is in application status, if press microphone button again,you can cancel the application.

4）Meeting check-in function

① The chairman unit initiates attendance, statistics after check in, exit check-in mode.

② Management of microphone under the check-in mode.

Note: Some units without the launch keys of initiate attendance due to hardware limitations. When the delegate unit is under microphone status in APPLY mode, the check-in mode will be cleared.

5）Meeting vote function

① The Chairman unit initiates hardware triple bond vote.

② Under the voting mode, can make the management of microphone.

Note: Some units without the vote function due to hardware limitations. The delegate unit under the microphone status in APPLY mode, the check-in mode will be cleared.

6）Chairman Unit priority function test

Press the priority button on the Chairman unit, close all the delegate microphone, and then open the Chairman microphone, the other chairman microphones keep no change.

7) SD card interface

Note: When the SD card inserted, it needs some time to initialize (the specific time depending on the capacity of the SD card and SD card mp3 file number given), write ID, check in, the card is not recognized under the voting mode.

(1) Correctly insert SD card, the meeting host display will show the card icon and display "Initializing SD CARD" ,which represents the SD card are in the initialization, during this time the key is no valid, the SD card cannot be removed, otherwise It may cause damage to the SD card and system error. After the SD card is properly pulled out, it will show "There is no SD card!"　Note: SD card is inserted in the process can not remove the SD card, SD card out of the process cannot be inserted into the SD card, otherwise cannot properly recognize the SD card and play mp3 files.

(2) Mp3 files stay in the "MUSIC" list only, the mp3 file name must be between 000 and 999 it can be correctly identified. After the SD card initialization is complete, the total number of mp3 files will be displayed on the SD card "MUSIC" directory, when the mp3 file number is not 0, it will be the first mp3 songs and current playback time displayed.

(3) Host can recognizes 200 mp3 songs maximum．

8) Mp3 playback

Mp3 files stay in the "MUSIC" directory only, and the mp3 file name must be between 000 and 999 it can be correctly identified. After correctly identify the SD card mp3 files, you can do the following.

(1) Play and pause playback

Mp3 file playback will be displayed a "play" flag during playing time, and it is cleared after the end of playing time, it shows "stop playing" symbol. Note: The recording cannot be performed while playing mp3 files, and when recording, the mp3 files cannot be played.

(2) Next and Back

Note: When recording, cannot be switched on the next and back.

9) Recording function

(1) Insert the SD card, when the initialization is complete, the recording can be performed.

(2) Start recording: press the record button, wait two seconds, until the recording indicator light,　said the host to start recording

(3) End Recording: After entering the recording state (at least 5 seconds to save a record audio), press the record button, and the recording indicator is off, it indicates that the recording is complete, the audio file generated correctly, the resulting audio files are saved in SD card "MUSIC" directory. Each recording are SD card "MUSIC" directory of the current file name maximum plus one as a new audio file name, for example, the current maximum of mp3 files named 008.mp3, the new recording file is generated 009.mp3. After the recording,

find the corresponding audio files, playback output without significant distortion.

 Note: The recording cannot be performed while playing mp3 files. Before recording, make sure there is no song playing and pause playback the currently playing song. Recording time cannot play mp3 files and switch to the next and back, each recording time must be greater than or equal to 5 seconds, otherwise recorded audio may be no sound and play abnormal. The recording process is best not to remove the SD card or power off, otherwise it may cause data loss and recorded file playback abnormal.

10) Volume control
Press the volume control button to adjust the volume, 0 is the minimum volume, 16 is the maximum volume, when power off it will be saved automatically. SD card audio level is not subject to this volume control.

11) Headphone jack
Plug in headphones, listen to the audio.

5. Specifications

Model	TS-0605M
Microphone quantity	≤30
Channel	1CH
Frequency Response	30 ~ 20KHz
SNR	>75 dB(A)
Dynamic Range	>80 dB
Crosstalk	>80 dB
THD	<0.05%
Power Supply	~230V/50Hz,DC 24V
Audio Input	LINE IN : 350mV Balance
Audio Output	LINE OUT 1: 1V Balance
Output Load	>1KΩ
Static Consumption	10W
Output Consumption	70W
Connector	8 core aviation plug
Working Temperature	-10℃~+60℃
Working Humidity	20%～80% relative humidity, without condensation
Dimension	250 x 160 x 60mm
Weight	1.25Kg

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