



Fully Digital Conference System

User Manual

TS-0370HY

Before using this system, please read this manual carefully

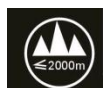
Notification



To ensure the reliability of the equipment and the safety of personnel, please observe the following when installing, using and maintaining:

- If any of the following conditions are found, please immediately turn off the power, plug out and quickly contact your nearest dealer. Do not continue using this unit, which may cause a fire or electric shock.
 - If you find smoke or have a strange taste from the machine.
 - If water or metal falls into the machine.
 - If the unit is dropped or the case is damaged.
 - If the wire is damaged (wire core exposure, broken wire, etc.).
- If the machine contains high-pressure parts, in order to avoid the fire or electric shock, absolutely don't open the case, if any questions please inform your nearest dealer.
- Do not place cups, bowls, vases or metal and other water-filled substances on the unit. Serious spilled liquid may cause a fire or electric shock.
- Never expose the unit to rain and any moisture or water, which may cause electric shock or fire.
- Do not place metal objects or flammable materials from the vents on the machine cover, nor place coins, which may cause fire or electric shock.
- Do not place heavy objects on the unit to avoid personal injury or property damage when the unit is slipping.
- Make sure that the volume is turned on at the beginning of the boot, and the high volume of the boot may cause hearing problems.
- Make sure that the volume is turned on at the beginning of the boot, and the high volume of the boot may cause hearing problems.
- For long-term accumulation of dust to be cleaned, please inform your dealer to regularly clean the machine, so as to avoid damage to the machine or cause a fire.
- The battery must be replaced with the same type of product and the correct installation should be made in order to avoid electrical damage and explosion hazard.
- The product is a Class III device. The device must be well connected to ground. The power plug must be connected to a power outlet with a grounding device to ensure that the equipment is fully grounded.

- This product uses a power plug or appliance input socket as a disconnecting device with the power supply, and must be disconnected if necessary for safety reasons.



- This equipment is only suitable for safe use at altitudes under 2000 meters.

Precautions

1. The installation environment

When installing the unit, in order to ensure the normal cooling of the host, should avoid the poor ventilation of the place or high temperature environment, to avoid direct sunlight.

Recommend to install cabinet or other well-ventilated place indoor. If you use the machine in the outdoors, please pay attention to waterproof, moisture, lightning protection measures.

Avoid installing in a violent place of vibration; do not place other equipment on the machine.

2. To avoid electric shock and fire

Do not touch the hands and the source with wet hands

Do not spill liquid on the machine, so as to avoid short-circuit or fire inside the machine.

Do not place other equipment directly on the top of the unit.

Non-professional service personnel Do not disassemble the unit yourself to avoid damage and electric shock.

3. Transport and handling

The packaging of the machine is designed and tested to ensure that the host will not be accidentally damaged during transport. It is best to use the original packaging when handling the unit.

Do not move the host device between the place or cold or over hot to avoid condensation inside the machine, affecting equipment life.

4. Please follow the warning instructions on this product, the warning signs on behalf of:

	Applicable to 2000 meters above sea level and below
	Safe use only in non-tropical climates

5. Agreement

Please strictly follow the instructions in this manual. The software, hardware and appearance of this product will be upgraded and updated continually. The above changes will be made without notice.

Non-professional maintenance personnel, do not remove the product, to avoid damage and electric shock.

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1. DESCRIPTION

This machine is a functional interpreter unit of fully digital conference system, which is used by interpreters to translate speakers' speech into different languages during the conference. Its appearance is neat and beautiful. It has built-in speakers, pluggable microphones, and earphone ports, etc. It can preset multiple input/output language channels, and has corresponding shortcut keys, which is convenient for interpreters. It adopts the Ethernet transmission technology, providing strong anti-interference ability, low noise, good sound quality, stable and reliable work. It has the functions of simultaneous interpretation, direct translation and indirect translation in 63+1 languages to meet the needs of the multilingual conferences. It will be more and more popular in the future.

2. INTRODUCTION

2.1 Feature

- 1) The original clock synchronization and transmission technology, audio delay is less than 5ms, uncompressed audio transmission with 48K sampling rate. The super CAT-5 cable ensures long-distance and reliable transmission of conference information while providing perfect sound quality.
- 2) 5-band EQ adjustment, adjust sound effects according to the voice characteristics of the speaker to achieve the perfect effect.
- 3) 7-inch color touch screen, beautiful user interface.
- 4) Microphone pole with a knob-type plug, dual-color indicator, red indicates it is speaking.
- 5) Internal magnetic speaker, earphone jack and volume adjustment knob.
- 6) Support pickup through headset microphone and pole microphone.
- 7) The language of each channel can be preset at will.
- 8) It has the functions of direct translation and indirect translation; when the interpreter cannot understand the speaker's language, he can hear other interpreter's for understanding and then indirect translation.
- 9) Short message function: it can receive information from the background. Service function: it can ask for service through the tea button.
- 10) Help (HELP) function: when the interpreter needs help, he can send the request to the PC.
- 11) Cough elimination function: when the interpreter coughs, it can prevent the coughing sound from coming out.

- 12) When the speaker speaks too fast, the interpreter can press the button (SLOW) to ask the speaker to slow down.
- 13) Speech stopwatch function: the interpreter can count the time after starting work(time-based charging).
- 14) Support translating a maximum of 63 languages simultaneously; each translator room allows 6 units at most.
- 15) Support presetting 3 fast input language channels, with corresponding shortcut keys(a/b/c).
- 16) With input channel selection buttons, can select among all input language channels conveniently.
- 17) Support presetting 3 fast output channel for translation, with corresponding shortcut keys(A/B/C).
- 18) With output channel selection buttons, can select among all output language channels conveniently.
- 19) Interlock mode: if a unit in this translation room is open, other microphones cannot be turned on, ensuring consistency between the channel and the language.
- 20) Preemption mode: the same channel of different interpreter units in the same room can be preempted, and the unit occupying the channel will be closed at the same time. If different channels are being preempted, a warning will be prompted.

2.2 Introduction of parts

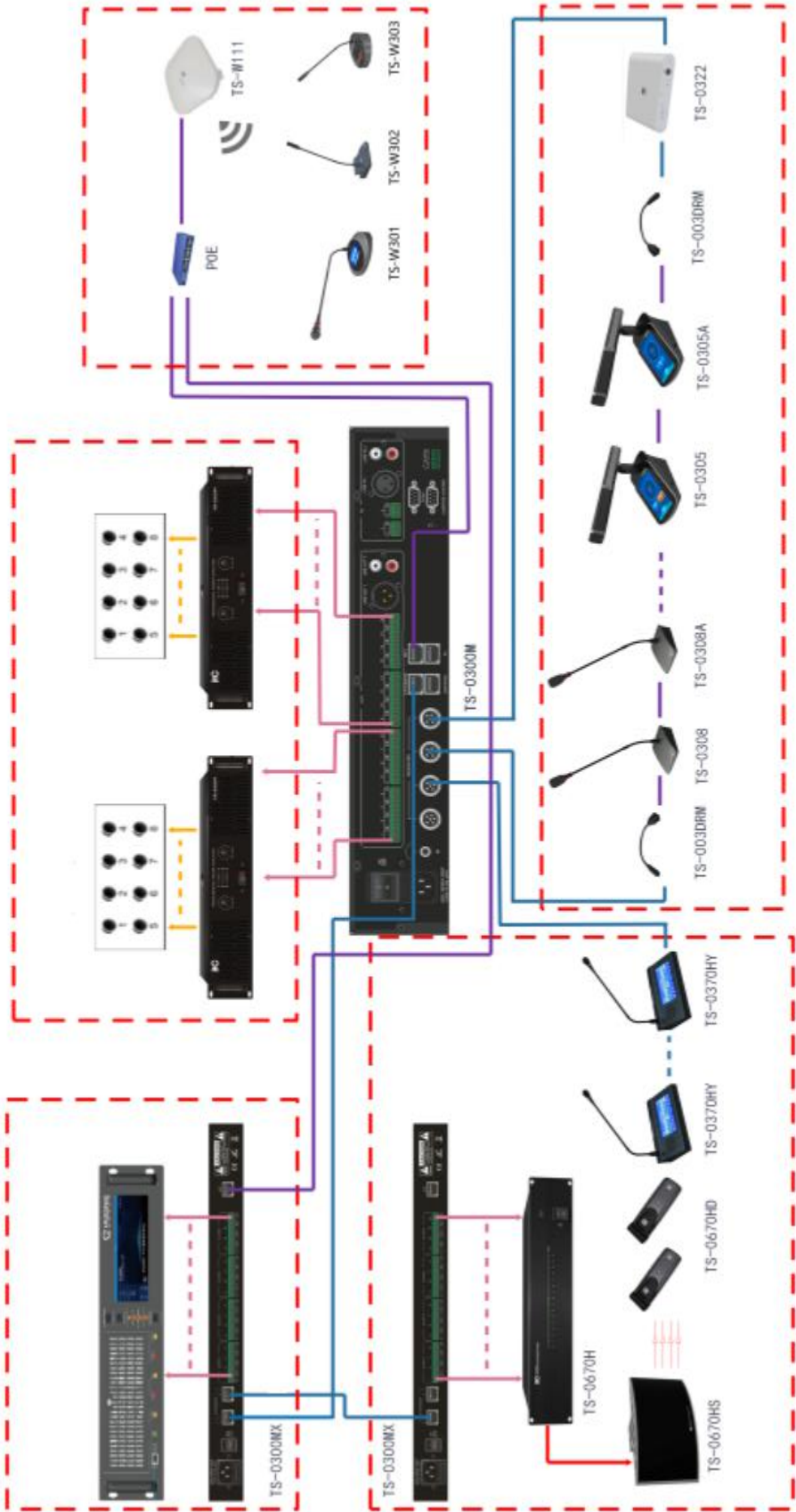


- ① Headphone port——Headphone input port, support talking through the headset;
- ② Headphone output——Support listening to the sound of different channels;
- ③ NEXT——Used to cascade the next interpreter machine or unit;
- ④ POWER——For external power supply, DC 36V power input.

2.3 Specification

Model	TS-0370HY
Microphone type	Cardioid directional electret
Frequency response	80Hz~16KHz
Input impedance	2.2K Ω
Sensitivity	-34 dBV/Pa
SNR	>80dB(A)
Dynamic range	>80dB
THD	<0.01%
Maximum power consumption	4W
Standard	IEC60914
Power supply	Aviation connector power supply/DC connector 36V power supply
color	Black
Display screen	7-inch resistance touch screen
Size	268X161X70mm(without microphone pole)
Installation	Desktop

3. SYSTEM CONNECTION DIAGRAM



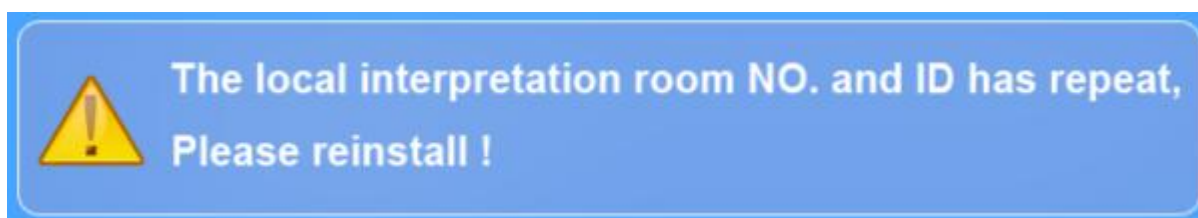
4. TS-0370HY OPERATION INSTRUCTIONS

After connecting to the platform, open the conference controller:

4.1 ID setting

On the touch screen of the controller, ID editing of the interpreter' machine can be started. The interface will display the current room number, ID number, local room number and local ID number; press OK button, and the red indicator of the microphone will flash once and then stay still, which means ID editing is done; the room number and ID number will be updated (ID number 4097~4474, room number 1-63; each room allows 6 ID numbers). To keep pressing the OK button will enter the next ID editing interface... Finish all the ID settings, the interpreter machine returns to the main interface.

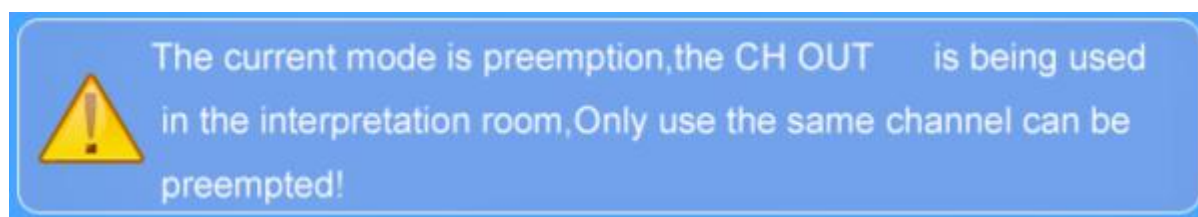
If there are repeated ID numbers, the interface of the repeated interpreter will give prompt. Click OK button to return to the main interface, and then reedit them.



4.2 Mode management

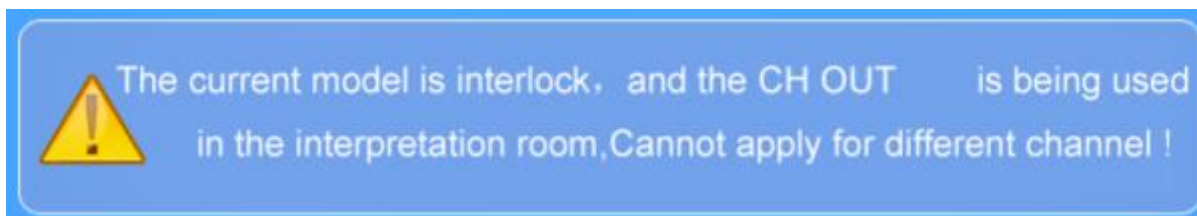
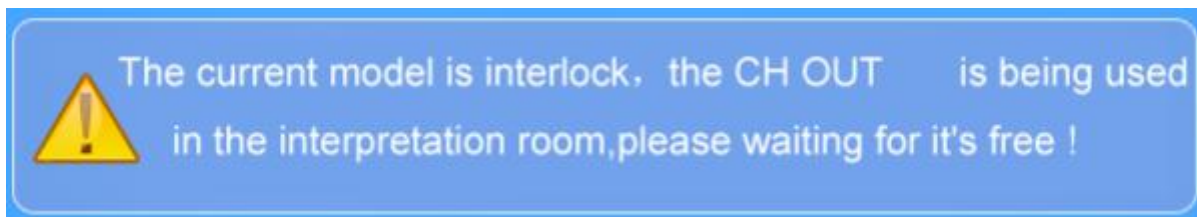
1. Preemptive mode

When choosing "seize" mode, the same channel of different interpreters in the same room can be preempted, and the translation unit occupying the channel can be closed at the same time (Note that only the same channel can be successfully preempted), If the channel is different for preemption, a warning will be prompted. Click on OK back to main interface.



2. Internal interlock mode between translators

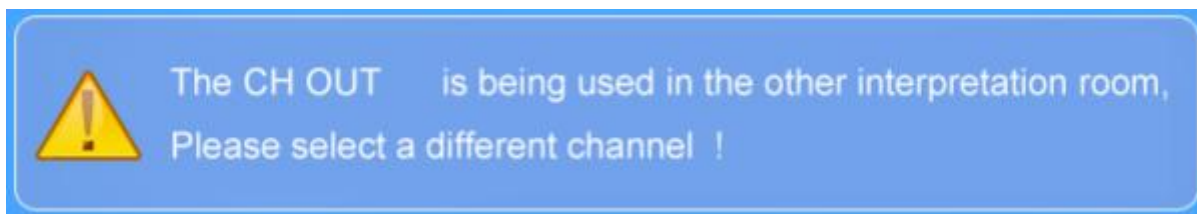
When the "interlock" mode is selected, if there is a unit microphone in the translation room that is open, other translation unit microphones cannot be turned on. If the unit to be turned on is the same as the unit output channel that has been turned on, it will enter the waiting state. When the is closed, the waiting will be automatically opened, otherwise the waiting will be cancelled automatically after 10S. If the output channel of the unit to be turned on is different from the output channel of the unit that has been turned on, a warning will be prompted to apply for the same channel. Click OK to return to the main interface.



The input and output channels of the same interpreter cannot be the same, otherwise it will prompt, click OK back to main interface.



When the channels outside the translation room are the same, you will be prompted, click OK back to main interface.



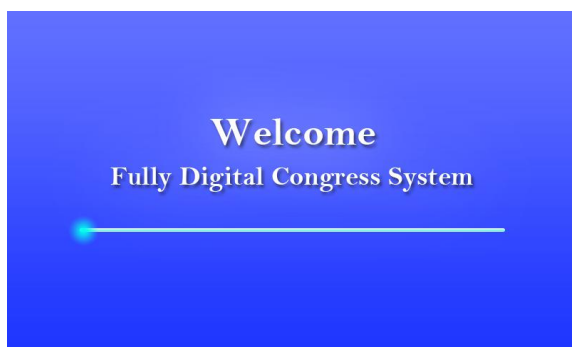
4.3 Fire alarm

When the controller fire alarm, the interpreter will enter the fire alarm interface, and it can be used normally only after the alarm is canceled.



4.4 Switching the homepage channel

When the interpreter is turned on, the startup interface and main interface of the display screen are as follows:



Startup interface



Main interface


Input channel:

Adjust the main interface a,b,c Button to switch quickly CH IN Channel,original channel Button can be quickly switched to 0 Channel to listen to the original sound, the increase and decrease buttons on the right are also used to adjust CH IN Channel (0-63), the default maximum number of channels is 63.


Output channel:

Adjust the main interface A,B,C Button to switch quickly CH OUT. When the microphone is turned on, the functions of these buttons are invalid. The increase and decrease buttons on the right are also used to adjust CH OUT Channel (1-63), the default maximum number of channels is 63 channel.


4.5 Tea

After clicking the tea application icon  (Tea), initiate a tea application to the PC, the interpreter machine interface jumps to the tea interface, the tea application is successful, there will be a prompt on the PC, click the Return Homepage button to return to the homepage.

4.6 Help

After clicking the help application icon  (Help), initiate a help application to the PC, the interpreter interface jumps to the help interface, the help application is successful, there will be a prompt on the PC, click the Return Homepage button to return to the homepage.

4.7 Slow

Click the slow icon  (Slow) After the interpreter machine interface jumps to the slow interface, the slowdown application is successful, click Return Homepage. The button returns to the homepage, and other units

that are talking enter the request deceleration interface.

4.8 Cough

Tap the cough icon (Cough), the voice of the microphone will not be uploaded to avoid uploading other voices of the user, click again to cancel the cough elimination, and the cough elimination will be canceled after the microphone is closed.

4.9 Volume

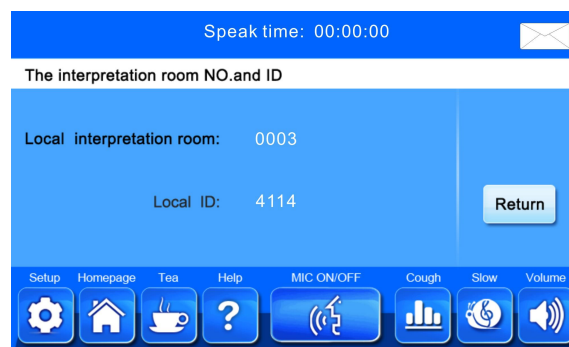
Click the volume icon(volume)to enter the volume adjustment interface, click+/- button to adjust the volume of the headphones and speakers, and you can also drag the progress bar in the middle.

4.10 ID and translation room query

Click Setup to enter the setting interface, then click The interpretation room NO.and ID to enter the query display interface, you can see the local room and local ID, click return to return to the setting interface.



Set interface



Translation room and ID query interface

4.11 Fast input channel preset

Click Setup to enter the setting interface, then click Pre-set fast input channel to enter the fast input channel preset interface, click a, b, c to switch the selection, the selected one is yellow, and the +-button to adjust the corresponding channel language (0 -63). After selecting, click OK to save the input shortcut preset language, return to return to the setting interface.



Quick input channel preset interface

4.12 Fast output channel preset

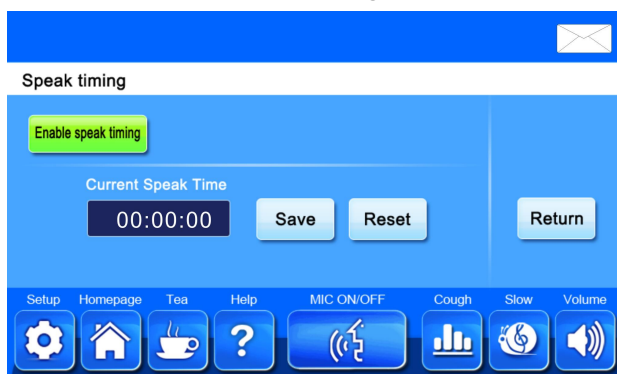
Click Setup to enter the setting interface, then click Pre-set fast output channel to enter the fast output channel preset interface, click A, B, C to switch between selections, the selected one is yellow, and the +-button to adjust the corresponding channel language (1-63), after selecting, click OK to save the output shortcut preset language, return to return to the setting interface.



Fast output channel preset interface

4.13 Speaking timing

Click Setup to enter the setting interface, then click speak timing to enter the speaking timing interface, click Enable speak timing to turn on the speaking timing function, and click Disable speak timing to turn off the speaking timing function (when turned on, the top of the interface will display the speaking time, and the microphone will start timing.), click the SAVE button to save the current speaking time, the next time the power is turned on, the time will be remembered from this saved time, click the RESET button to clear the time to 0, and click return to return to the setting interface, as shown in the following figure:



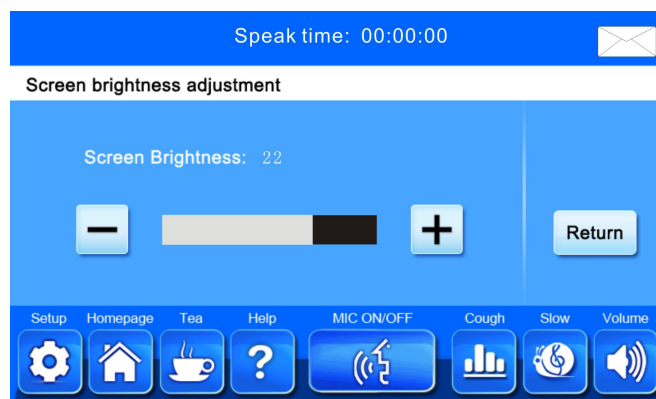
Open the speech timing interface



Close the speech timing interface

4.14 Screen brightness

Click Setup to enter the setting interface, then click Screen brightness adjustment to enter the brightness adjustment interface, click the +- button to adjust the brightness of the screen, or drag the progress bar in the middle (does not have the power-down save function).



Brightness adjustment interface

4.15 Short Message

When there is a short message, a small red dot will be displayed on the envelope in the upper right corner of the interface, click on the envelope to enter the short message interface to view. After reading, click Homepage to return to the main interface. After reading, the small red dot on the envelope disappears.

4.16 Headphone output

After the earphone is inserted, the status bar at the top of the interface will display the earphone icon, adjust the input channel of the interpreter, and listen to the sound of the corresponding channel through the earphone.

4.17 Headphone output

After inserting the headset microphone, you can speak through the headset microphone for translation.

4.18 Speaker output

When the earphone is not inserted, and the room where the interpreter is located is idle, adjust the input channel of the interpreter so that the speaker can hear the sound of the corresponding channel.

4.19 36V external power supply

If the power supply is not enough for multi-level cascading, you can plug in a 36V DC power supply.

4.20 Working status of the translation room

① Idle state: If there is no interpreter microphone in this translation room, the green lights of all interpreter microphone poles in this translation room will flash. If the earphone is not plugged in, the speaker of the interpreter will output the sound of the corresponding channel.

② Working status: When the microphone of the interpreter in this translation room is turned on, the green lights of all the microphones of the interpreter in this translation room stop flashing and go out, and the speakers will not output the sound of the corresponding channel.

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