

## To readers

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Dear customer, we would like to express our heartfelt thanks to you for using ITC speakers. All products of our company have been rigorously tested before leaving the factory to keep the quality promise. Speaker, widely used in hotels, commercial buildings, supermarkets, schools, leisure and entertainment, is your ideal choice. Please read this instruction in detail to better install, debug and use it.

## Safety instruction

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- Please read this instruction in detail before use.
- Pay attention to the safety symbols and important warnings in this manual.
- It is recommended that you keep this manual for future reference.

## Common safety symbols and warnings

The safety symbols and warnings shown in this manual are to avoid personal injury and property damage caused by improper operation. Please read this manual in detail before usage. Please be sure to understand the various safety symbols and warning signs for full understanding of the potential danger.



### Warning

Improper use might cause personal injury, death and property damage.

## During installing

- Never expose the speaker to anywhere that is or might be rainy, wet for no electric shock or fire.
- Please strictly follow the voltage specified on the speaker, since voltage higher than the limit may cause electric shock or fire. Never trim, twist, break, or replace wires.
- Do not install or erect speakers in unstable places, such as shaking tables or uneven surfaces, to avoid personal injury or property damage when the speakers fall.
- Install the speaker at the place where it can support the weight or on a stable bracket, to avoid personal injury or property damage when the speakers fall.
- Never plug or unplug with wet hands, otherwise, it may cause electric shock.
- When unplugging, make sure to pull the plug instead of the wire. Damaged wires may cause fire or electric shock.
- When moving the speaker, please pull out the plug in advance. Moving the speaker with the plug may cause fire or electric shock. When unplugging, make sure to pull the plug instead of the wire.
- Do not cover the vents on the speakers, otherwise, it may cause internal heating and fire.
- Avoid a place where it is wet or dusty, directly in contact with sunlight, near a heater, or where there is black smoke or steam, otherwise, it may cause fire or electric shock.

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# CEILING SPEAKER

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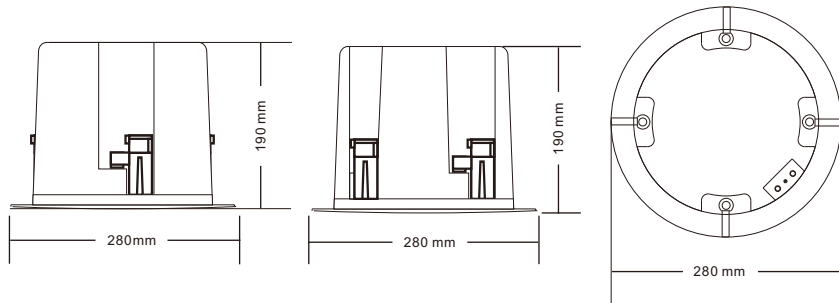
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**TS-206DT**

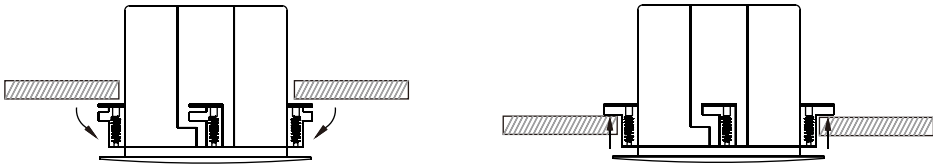
**OWNER'S MANUAL**

## Size



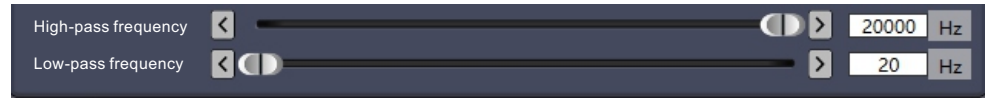
**TS-206DT**

## Installation



- Step1 Open size on the ceiling, and connect the wire to the speaker through the hole.
- Step2 Remove the mask of the speaker.
- Step3 Install the speaker on the ceiling and fix it. Make the edge of the speaker close to the ceiling. Turn the screw clockwise and tighten it.

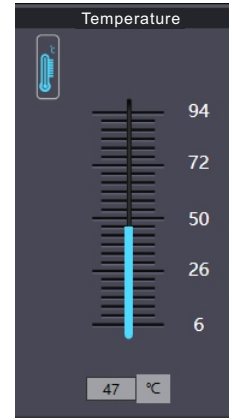
## 6. High pass filter and low pass filter



High-pass frequency: cut-off frequency of high-pass filter

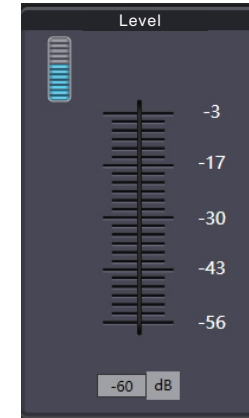
Low-pass frequency: cut-off frequency of low-pass filter

## 7. Temperature monitoring



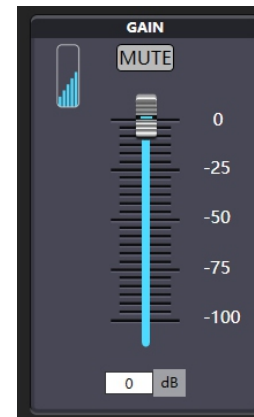
Temperature monitoring: real-time detection of the temperature of the amplifier module

## 8. Level display



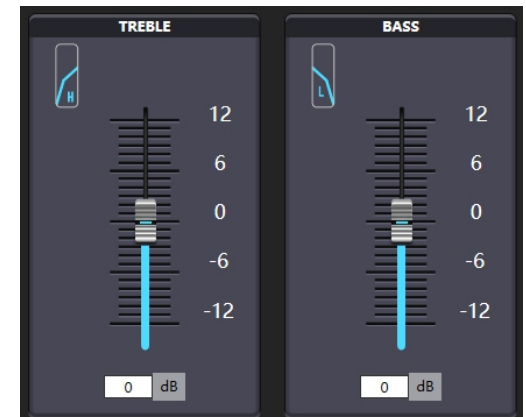
Audio signal level indication

## 9. Output gain and mute



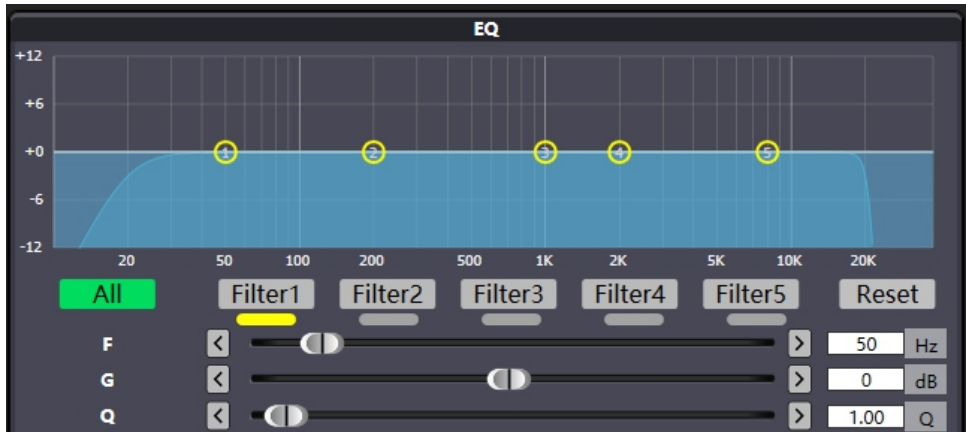
Mute: audio output mute on/off  
Gain: adjust the output audio signal gain, through fader or specific value

## 10. Treble enhancement and bass enhancement



Treble and bass enhancement adjustment: set specific values, through faders or manual input

#### 4. Equalizer (5 bands)



All: enable the filter

Filter 1-5: choose to enable or disable the filter; green means enabled, gray means not enabled, and yellow indicates the current filter, and you can set the frequency, gain and Q value of the current filter

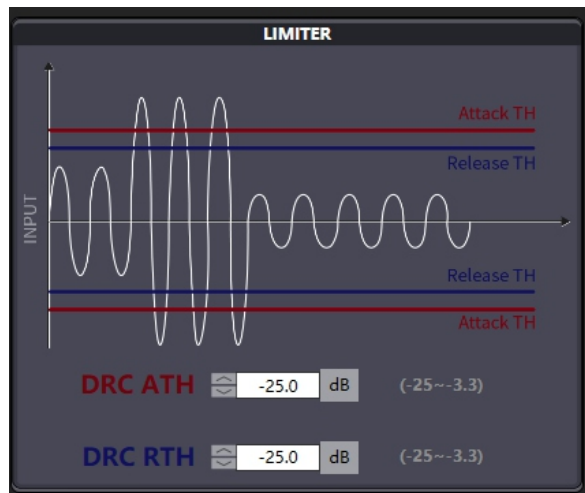
Reset: reset all filter specification

Frequency: center frequency

Gain: center frequency gain

Q value: Q value of the filter

#### 5. Limiter



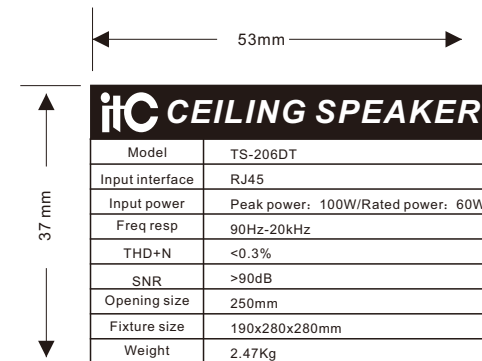
DRC ATH: limiter start threshold

DRC RTH: limiter release threshold

#### Specification

Model	<b>TS-206DT</b>
Rated power	60W
Peak power	100W
Frequency response	90-20KHz
THD+N	<0.3%
Coverage angle	H: 60°; V: 60°
SNR	>90dB
Input interface	10/100MRJ45, 1 audio channel Dante input; support PoE power supply, PoE specification, compatible with 802.af/at/bt standard; connected with CAT5 or higher network cable.
Opening size	250mm
Fixture size (HxWxD)	190X280X280mm
Weight	2.47Kg

#### Label stickers



**TS-206DT**

## Feature

It is a speaker with PoE power supply, Dante-to-analog signal output, built-in DSP processing function, and full network digital amplifier module. It can be adjusted through PC software to meet different demands for sound quality. Audio transmission using Dante network protocol has the characteristics of avoiding interference from transmission lines, high fidelity, and no delay. The network transmission and simple engineering wiring can make the installation of amplifiers and speakers more convenient, safe and reliable.

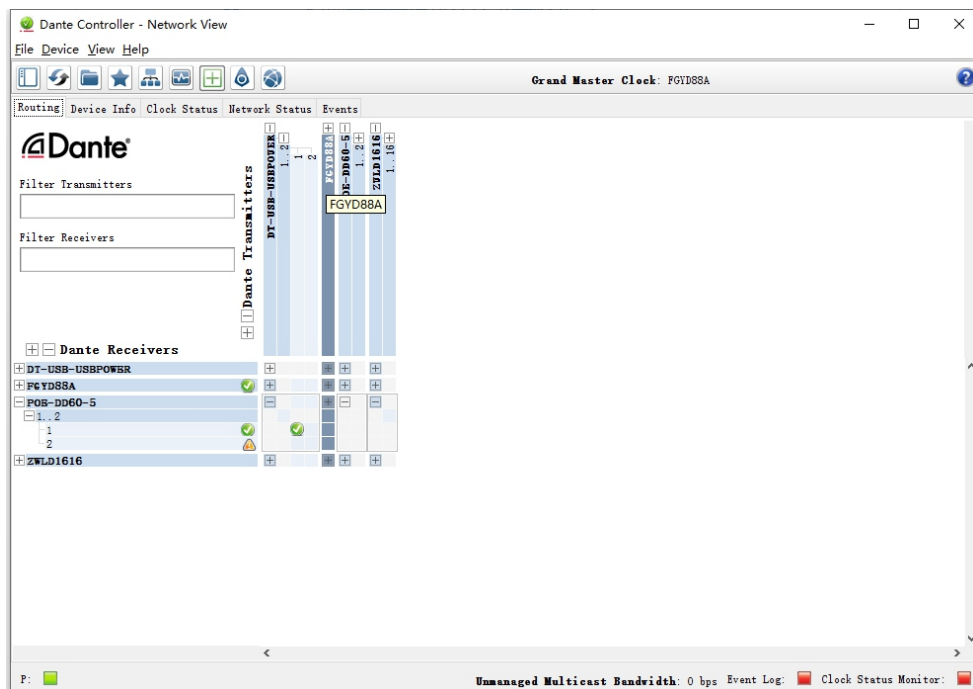
PoE power supply: support IEEE802.3af/at/bt standards respectively.

DSP processing functions: scene saving, scene import, scene export, reset, 5-band equalizer, high-pass filter, low-pass filter, treble enhancement, bass enhancement, limiter, gain, etc.

## User's guidance

### 1. Usage steps for the first time

Connect the speaker to a Dante network audio switch that supports POE, then use Dante Controller software to find full network Dante device, and configure full network audio routing



## 2.PC software main interface



### 3.Menu bar and status bar

#### File:

- Import: used for scene file import, the same as status bar.
- Export: used for scene file export, the same as status bar.
- Save: used for saving scene, the same as status bar.
- Reset: used to restore the scene to the default, the same as the status bar.

#### Language:

- Chinese: switch software language to Chinese
- English: switch software language to English

#### Help:

- Help: user manual
- About: software version content

- Scene import shortcut button
- Scene export shortcut button
- Scene save shortcut button
- Scene reset shortcut button
- Device search button

#### Connection status indication:

- D130-AT  
disconnected
- connected  
not connected