



Advanced Professional Condenser Conference Microphone for Conference Rooms



One-Piece
Structure



One-Key
Trigger & Shutdown



Unidirectional



Unwarming



Anti-fingerprint



Anti-scratch

I. Solution Overview & Requirements



Pain Points

- In conference room applications, we are often faced with the inability to capture low-frequency sounds or sound details, resulting in unclear sounds. It cannot effectively suppress environmental noise and frequently causes interference, affecting the user experience. Microphones with poor quality may use inferior materials or processes, which are prone to failure or damage and have a certain impact on their service life.



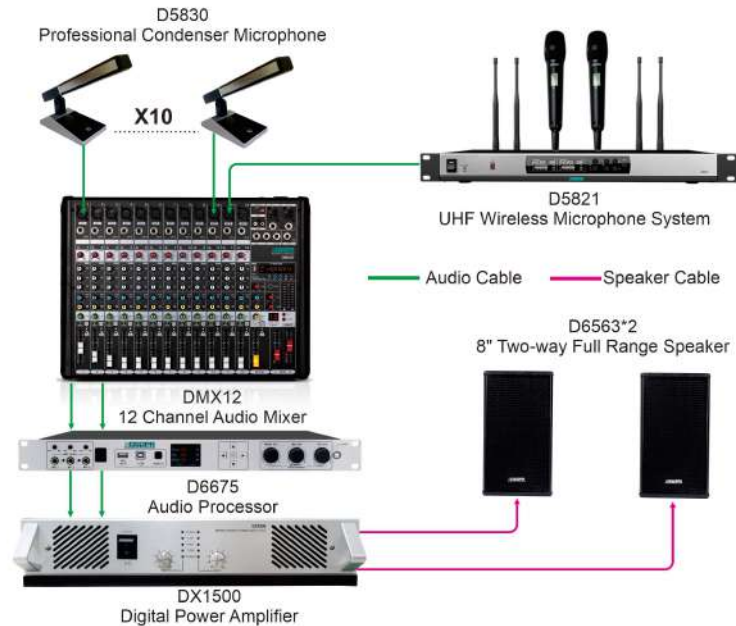
Project Requirements

- It can achieve high-definition audio transmission, allowing participants to hear the speaker's voice more clearly.
- It has strong anti-interference ability and can effectively suppress various types of electromagnetic interference.
- It can withstand long-term use and frequent meeting use, with a long service life.
- The beautiful and durable microphone has a simple and easy-to-use operating interface and functions, making it convenient for users to use and maintain.

II. Small Conference Room Configuration_Solution

Configuration List

- Conference room size: 10m long, 8m wide, 3m high.
- The application of conference microphone D5830 in small conference rooms makes the sound more stable, clear and full, which can reduce the tension of the speaker's voice, create a more comfortable meeting environment and make the participants more willing to express their ideas.
- The conference microphone D5830 features a beautiful, durable, metallic design with tempered glass inlays which enhances the high-end atmosphere style of any conference room.

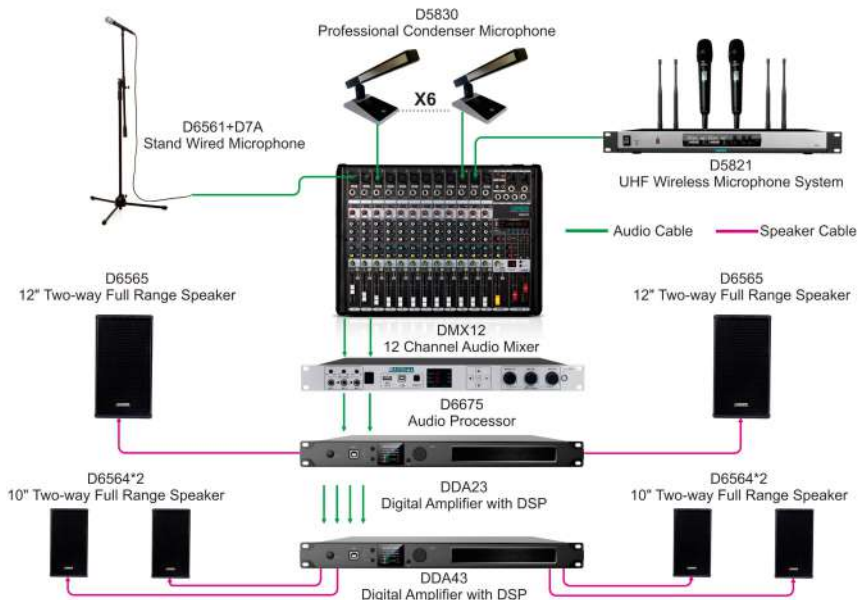


No.	Model	Product Name	Quantity
Meeting Room			
1	D5821	UHF Wireless Microphone System	1PC
2	D5830	Professional Condenser Microphone	10PCS
3	DMX12	12 Channel Audio Mixer	1PC
4	D6675	Audio Processor	1PC
5	DX1500	Digital Power Amplifier	1PC
6	D6563	8"Two-way Full Range Speaker	2PCS

II. Large Conference Room Configuration_Solution

Configuration List

- Conference room size: 20m long, 12m wide, 5m high.
- When used in large conference rooms, conference microphone D5830 can present deep bass and delicate treble, making people feel the layering and three-dimensionality of the sound. It appears very clear and rich in details, allowing participants to better understand the speaker's intentions and emotions.
- The conference microphone D5830 features a beautiful, durable, metallic design with tempered glass inlays which enhances the high-end atmosphere style of any conference room.



No.	Model	Product Name	Quantity
1	D6561+D7A	Stand Wired Microphone	1PC
2	D5821	UHF Wireless Microphone System	1PC
3	D5830	Professional Condenser Microphone	6PCS
4	DMX12	12 Channel Audio Mixer	1PC
5	D6675	Audio Processor	1PC
6	DDA23	Digital Amplifier with DSP	1PC
7	DDA43	Digital Amplifier with DSP	1PC
8	D6565	12"Two-way Full Range Speaker	2PCS
9	D6564	10"Two-way Full Range Speaker	4PCS

■ III. Product Highlight 1



Sleek & Stylish Product Design

- Metal texture, zinc alloy shell, tempered glass inlay, beautiful and durable.
- Specially designed shielded circuits and one-piece zinc alloy shell can effectively suppress various types of electromagnetic interference.



Best Sound Quality

- Restore the human voice with clarity and ease of hearing.
- The microphone capsule is designed specifically to capture the human voice, keeping the speaker in focus.

III. Product Highlight 2

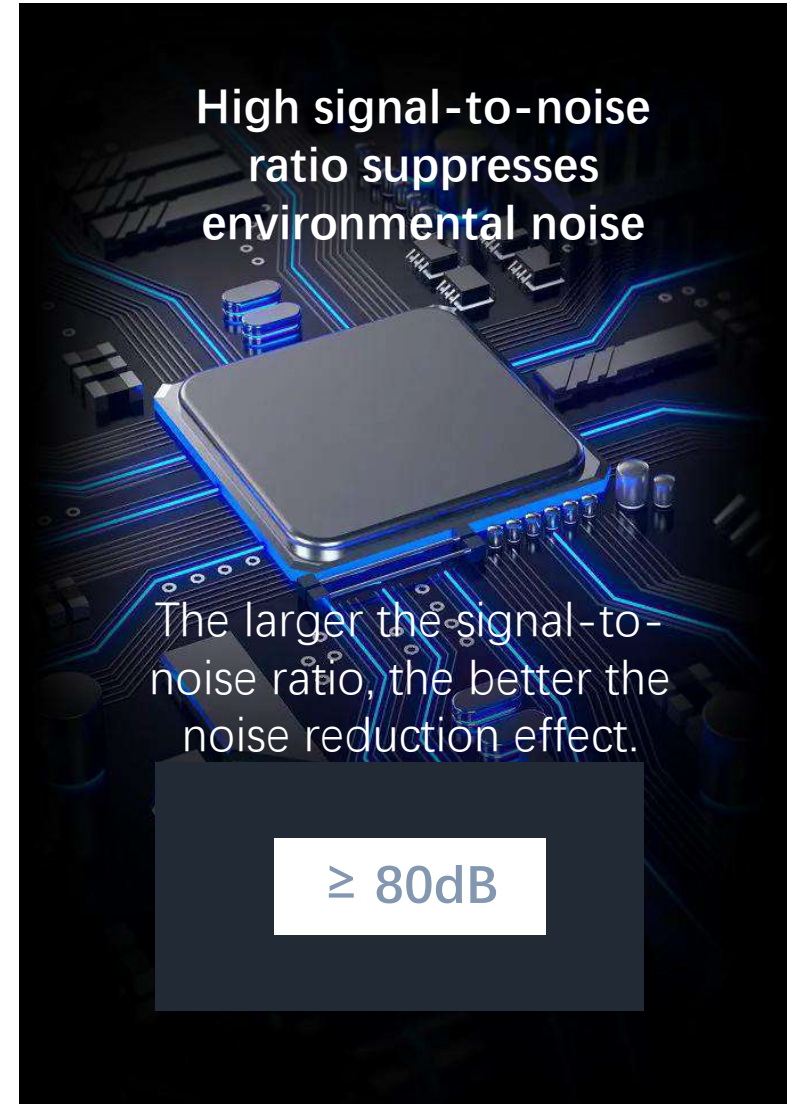


D5830

Professional Condenser Microphone

High Signal-to-Noise Ratio

- Suppress lateral environmental noise greater than 80dB
- A high signal-to-noise ratio will result in clear and clean sound; a low signal-to-noise ratio will make the sound rough, noisy, and even howling.



III. Product Highlight 3

Best Pickup Distance

- Highlight the directional characteristics of the human speech frequency band (100-12000) Hz, the best pickup distance: 20-60CM
- It has a rod-shaped direction with strong anti-acoustic feedback ability and high pickup sensitivity, which can increase the pickup distance.

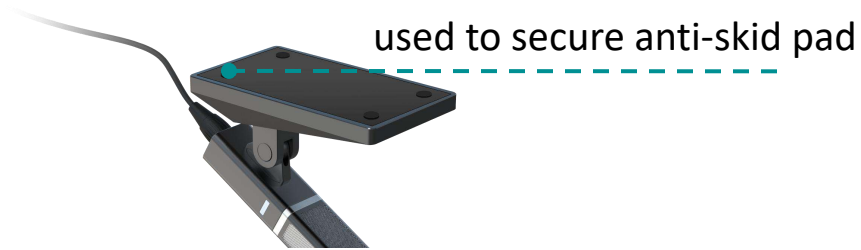


Precautions

- In order to avoid the sound loop phenomenon caused by the direct or reflected sound field of the speaker directly picking up the sound from the microphone, thereby causing howling.
- Adjust the installation position of the speaker so that the direct or reflected sound field of the speaker is preferably placed between 60 degrees and 300 degrees behind the microphone, which can minimize the howling caused by acoustic feedback.



■ III. Product Highlight 4



Anti-skid Pad

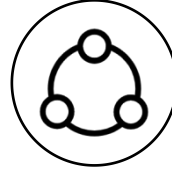
- The four-legged anti-skid pad is more stable; Not only is it beautiful and decent, but it can also ensure that noise interference caused by shaking can be avoided in use.



Angle Adjustment

- The pickup height can be flexibly adjusted according to different meeting needs to better capture the speaker's voice.

■ IV. Product Introduction_ **D5830**



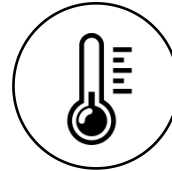
Integrated Structure



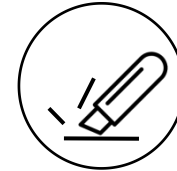
One-click Trigger and
Shutdown



Single Directivity



Heat-resistant



Scratch-resistant



Fingerprint-resistant

- Can suppress lateral ambient noise greater than 80dB.
- Metallic texture with tempered glass inlay, beautiful and durable.
- Zinc alloy die-casting, oxidized processing on the surface, thick and beautiful; with non-slip pads for four feet, more stable.
- Distinctive directional characteristics in the vocal speech frequency band (100-12000) Hz, with excellent pickup within the specified range (20-60cm).
- Powered by 48V phantom power supply.
- Output impedance (20%): 680 Ω (balanced).
- With low AC internal resistance, and strong anti-interference capability.

■ V. Optional Microphone Rod



Microphone Rods Selection

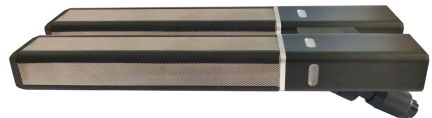


(Standard equipped)



- Cardioid directional condenser square microphone rod
- Color: Silver gray
- Length: 240mm

Silver gray microphone rod L=240mm



Support factory customization



- Cardioid directional condenser square microphone rod with dual mics
- Color: Silver gray
- Length: 240mm

Silver gray microphone rod L=240mm

Precautions

- It cannot be manually disassembled and replaced, and the fixed square column microphone rod needs to be assembled at the factory.

VI. Specifications & Packing List



Specifications

No.	Items	Parameters
1	Structural Style	Integrated Structure
2	Category	ø9.7 Style of Capacitance
3	Pointing Features	Single Directivity
4	Sensitivity	-43±1dB
5	Frequency Response	100-12kHz(±3dB)
6	SNR	≥80dB
7	THD	≤0.5%
8	Output Impedance (±20%)	680Ω (balanced)
9	Dynamic Range	≥15dB
10	Best Pickup Distance	20-60cm
11	Power Supply	+ 48V Phantom Power Supply
12	Product Size (L×W×Hmm)	168×84×100mm
13	Package Size (L×W×Hmm)	300×240×145mm
14	Gross Weight	2kg
15	Net Weight	0.8kg



Packing List

No.	Checklist	Quantity
1	Conference Microphone	1 PC
2	User Manual/Certificate of Conformity/Warranty Card	One Copy Each
3	10m Balanced Professional Audio Cable	1 PC

■ VII. Application Places



Church



Court



Conference Room



Lecture Hall



Hotel

The D5830 condenser microphone's beautiful appearance, durability and excellent sound performance offer a reliable solution for resolving any issues of indistinct sound pickup by participants. It can be used in high-end conference venues such as churches, courts, conference rooms, lecture halls, hotels, etc.

Creating the Best, Sounding the World!

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