



DW9866 Series UHF Wireless Conference System

CONTENTS

1

System Description

2

Solution Example

3

Attainable Function

4

Main Devices

■ System Description

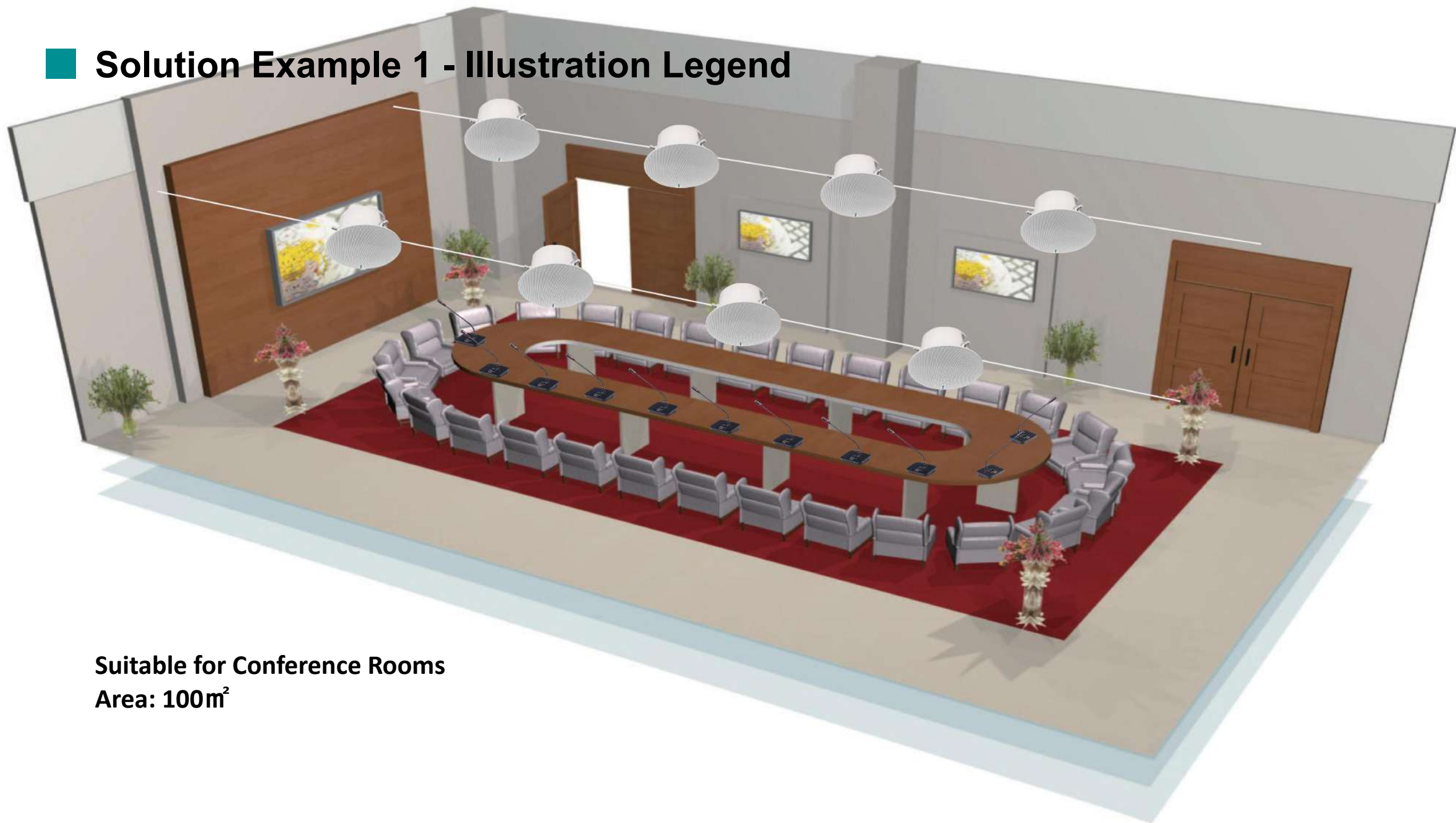
DW9866 series wireless conference system is a wireless conference system that uses FM frequency modulation to realize sound signal transmission. This system works in the UHF frequency band and supports fully digital control, with first-in-first-out, last-in-first-out, speaking-only, chairman-only and other speaking modes.

The system adopts the self-developed data communication algorithm, supports wireless transmission for the audio channel and the control channel, no need for cables, with wide signal coverage, high fidelity, high signal-to-noise ratio, low latency, etc., and supports up to 255 wireless microphone.

The control host adopts all-metal structure design and built-in enhanced antenna for wide coverage, and hierarchical menu design for simple and convenient operation. The conference unit has power display and voltage prompt, as well as channel and signal indication, with ultra-low power consumption, and is powered by a rechargeable lithium battery, which can work up to 12 hours.

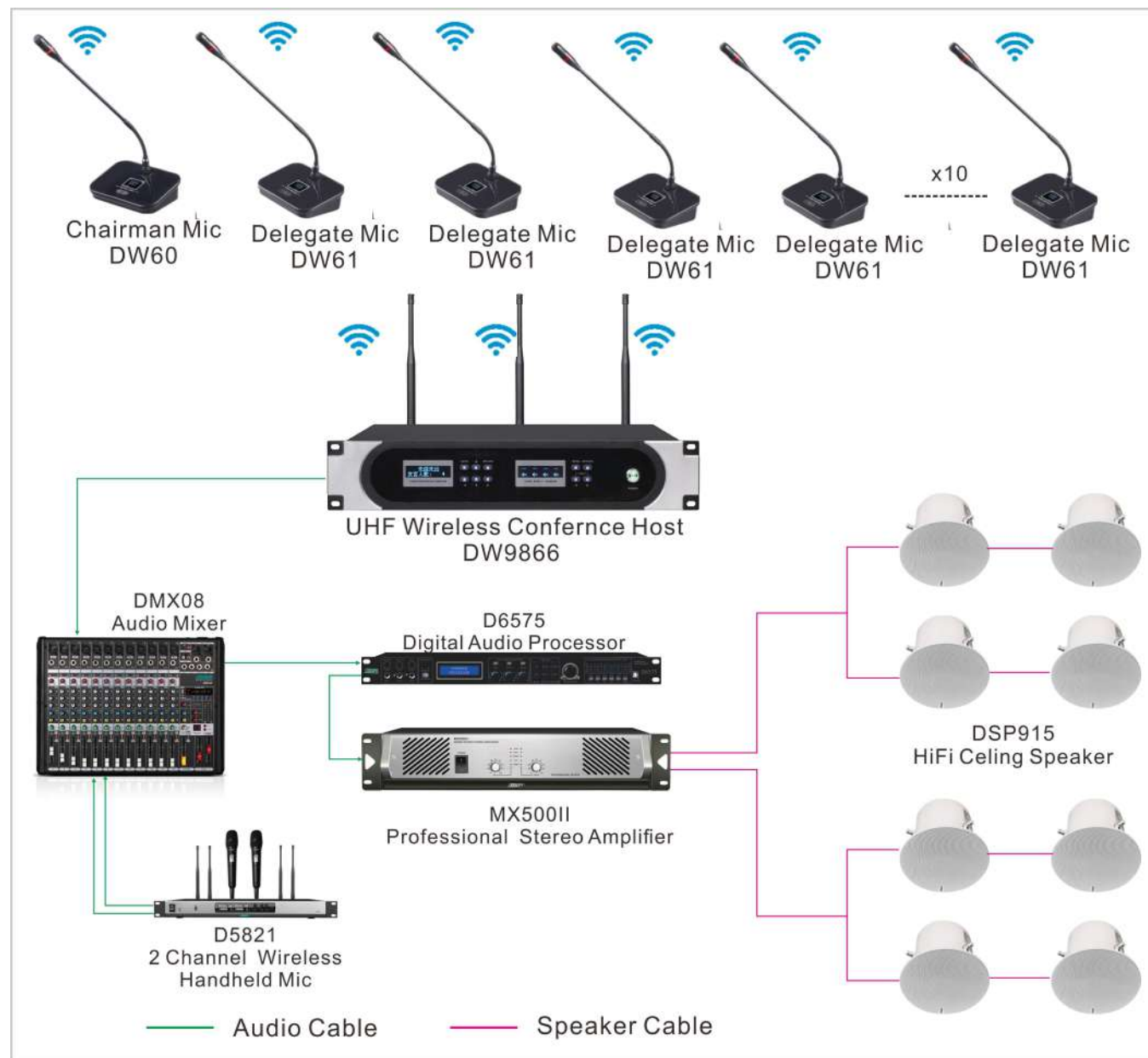


■ Solution Example 1 - Illustration Legend



Suitable for Conference Rooms
Area: 100m²

■ Solution Example 1 - System Diagram



Small Conference Room (10-20 People)

Conference System + Professional Sound Reinforcement System

■ Solution Example - Product List

- The system adopts wireless transmission, no need for cables, with wide signal coverage, high fidelity, high signal-to-noise ratio, low latency, etc., which ensures the real playback of the sound signal, so that the participants can feel the real existence of the sound source, achieving high-fidelity sound reinforcement needs.
- The conference system is composed of the wireless conference host DW9866 and conference units, as well as professional sound system. When the participant speaks to the chairman conference unit DW60 or the delegate conference unit DW61, the audio is processed through the mixing console DMX08 and sent to the power amplifier MX1500II, and then amplified through the power amplifier and further sent to the speaker.
- Eight 20W ceiling speakers DSP915 are evenly installed on the ceiling of the conference room for short-distance sound reinforcement, with appropriate loudness, good diffusion and uniform sound field.
- Applicable to 100m² small conference rooms, small auditoriums and other places with requirements for sound reinforcement.

Product List

Model	Name	QTY
DW9866	IP Network Conference System Host	1
DW60	UHF Chairman Microphone without Voting Function	1
DW61	UHF Delegate Microphone without Voting Function	16
D5821	UHF Wireless Microphone System	1
DMX08	8-channel Audio Mixer	1
D6575	Digital Audio Processor	1
MX1500II	Professional Stereo Amplifier (8Ω; 2x230W)	1
DSP915	20W Coaxial Ceiling Speaker with Power Tap	8
MP15U	15U 19" Rack with Door and Fan	1

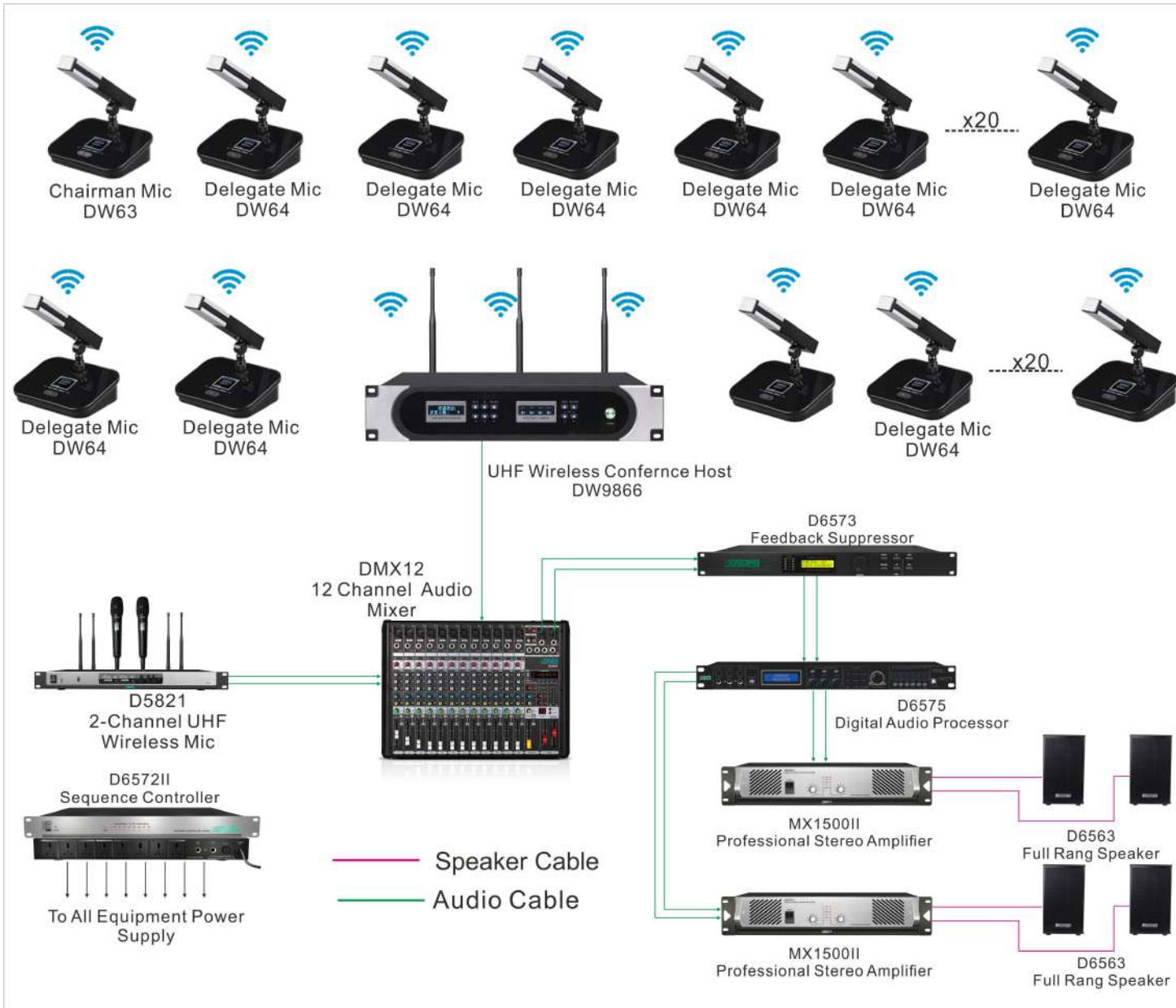
■ Solution Example 2 - Illustration Legend



Suitable for
Conference Rooms
Area: 200m²



Solution Example 2 - System Diagram



Small Conference Room (10-20 People)

Conference System + Professional Sound Reinforcement System

■ Solution Example 2 - Product List

- The whole system is mainly composed of the DW9866 conference system and professional sound system. Among them, the professional sound system is mainly composed of speakers, power amplifiers, mixing consoles, microphones, sound source equipment and other equipment, which can meet the needs of simple meetings, speeches, seminars, etc.
- The professional audio processing equipment (DMX12, D6573 and D6575) make the live speech clear, without distortion or sound feedback howling, etc.
- The conference system is composed of the wireless conference host DW9866 and conference units, as well as professional sound system. When the participant speaks to the chairman conference unit DW63 or the delegate conference unit DW64, the audio is processed through the mixing console DMX12 and sent to the power amplifier MX1500II, and then amplified through the power amplifier and further sent to the speaker D6563 to realize local sound reinforcement. The system plan is used for demonstration, and 2 speakers D6563 can make the conference with sufficient on-site sound pressure margin, uniform sound field and accurate sound image positioning, enabling the simplest and most economical audio conference system.
- Suitable for 200m² large and medium-sized conference rooms, lecture halls, auditoriums and other places with requirements for sound reinforcement.

Product List

Model	Name	QTY
DW9866	IP Network Conference System Host	1
DW63	UHF Chairman Microphone without Voting Function	1
DW64	UHF Delegate Microphone without Voting Function	16
D5821	UHF Wireless Microphone System	1
DMX12	12-channel Audio Mixer	1
D6573	Feedback Suppressor	1
D6575	Digital Audio Processor	1
MX1500II	Professional Stereo Amplifier (8Ω; 2x230W)	2
D6563	8" 150W Professional Two-way Cabinet Speaker	4
D3A	Wall Mount Bracket	4
D6572II	8-channel Power Supply Sequence Controller	1
MP15U	15U 19" Rack with Door and Fan	1

■ Attainable Function



■ Main Devices

DW9866

UHF Wireless Microphone System Host



Features:

- Adopt FM frequency modulation to realize sound signal transmission.
- Adopt UHF working frequency band, with high fidelity, high signal-to-noise ratio, low latency and fast response.
- With multiple conference modes: first in first out, speech control, chairman mode.
- Using hierarchical menu design for simple and convenient operation, with LCD screen to display working status, channel frequency, signal orientation, etc.
- Adopt the self-developed data communication algorithm, and support wireless transmission for the audio channel and control channel, no need for cables, with wide signal coverage.
- The control host adopts all-metal structure design and built-in enhanced antenna for wide coverage, and supports up to 255 wireless microphones.
- The conference unit has power display and voltage prompt, as well as channel and signal indication, with ultra-low power consumption, and is powered by a rechargeable lithium battery, which can work up to 12 hours.
- Power input: DC12V-15V, $\geq 1A$.
- Power consumption: $< 7W$.
- Working temperature: $-10^{\circ}C$ -- $40^{\circ}C$.

Note:

- A single host can support ≤ 255 conference units.
- This system is a UHF wireless microphone system, which uses FM frequency modulation to realize sound signal transmission.

Default wireless working frequency range: 470-940MHz. Please consult in detail for different countries.

■ Main Devices

DW60/DW63 Wireless Chairman MIC

DW61/D64 Wireless Delegate MIC



DW60 Chairman Mic



DW61 Delegate Mic



DW63 Chairman Mic



DW64 Delegate Mic

Features:

- With 2.23" screen to display working status, signal strength, battery capacity, etc.
- Wireless connection and speaking
- Low power consumption, continue working more than 12 hours
- With red cycle indicator for working status
- Chairman microphone with priority, can control the speech order
- Power supply by lithium battery
- Working power: DC2.8V-4.5V
- Power consumption: $\leq 380\text{mW}$ (State of speech)
- Operating temperature: $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- Microphone rod length: 27CM/42CM (adopt)
- Size: 132mm*72mm (no microphone rod) 143mm

■ Main Devices

Wireless Chairman/Delegate MIC With two kinds of microphone rods



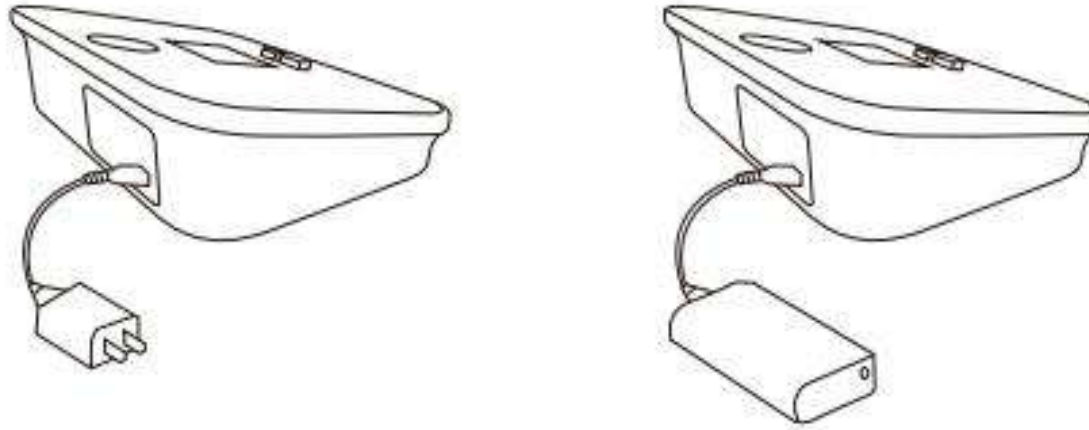
- 1. Super directional condenser pickup mic
- 2. Light ring: Always on in speaking state
- 3. Chairman Priority button (PRIOR)
- 4. Microphone ON/OFF button (ON/OFF)
- 5. Display screen



- 1. Super directional condenser pickup mic
- 2. Chairman Priority button (PRIOR)
- 3. Microphone ON/OFF button (ON/OFF)
- 4. Display screen

■ Main Devices

Rechargeable Conference Unit



Warning: This product can be used with 1.2-1.5V AA battery. It can also be used with 1.2V Ni-MH rechargeable battery. The charging function is only open for 1.2V Ni-MH rechargeable battery. When the battery is incorrect when charging the unopened battery, it should be stop charging in time, replace the rechargeable battery and use the charging function.



Guangzhou DSPPA Audio Co., Ltd

Address

NO.1 Xiahe Road, Jianggao, Baiyun,
Guangzhou, Guangdong, China

Tel

+86-20-37166520

Public Address
Division

export@dsppa.com
www.dsppatech.com

Audiovisual
Division

conference@dsppa.com
www.dsppacs.com

DSPPA, Never Stop!