

## D6801 Wireless Conference System

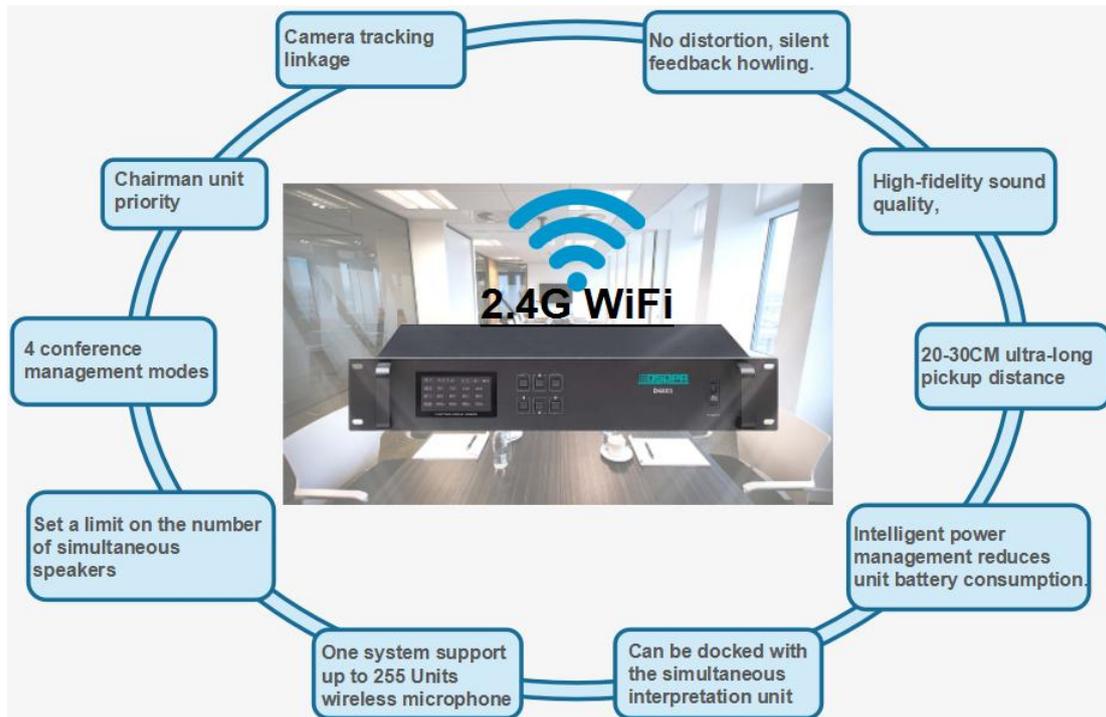
### 1. Solution Description

As for the traditional wired hand-in-hand conference system, an extension cord is required to be pulled from the host computer room to the conference room, and generally a wiring duct is required, which is difficult for construction and inconvenient to maintain as the mic is fixed on each seat. In order to meet the needs of different meetings, DSPPA strives to achieve a wireless solution that can meet dense wireless access.

The DSPPA wireless conference system D6801 uses a digital network that can wirelessly transmit information within a local area, and can accurately, quickly and securely transmit conference information to participants without changing the original facilities. The wireless conference system has gradually become an important development direction of professional conference system because it is easy to install, move, use and maintain, and has no effect on buildings and conference venues.



### 2. Solution Highlight Functions



### 3. System Connection Diagram



and 2 cameras D6283II and other display devices to realize the coordination, processing and switching of input and output signals. The input signal can be switched and combined in the D6108 video matrix at will to realize a very flexible signal central processing function.

#### **4. Camera tracking and anti-interference signal ability:**

The system has the real-time video tracking function, and it can support 4 channels of video signal input, and 2 channels of video signal output. Besides, it has the function of automatic detection of interference signal. When an interference signal is found, it will allocate a frequency that can avoid the interference signal for use.

#### **5. Sound reinforcement system**

In terms of sound reinforcement, it focuses on the clarity of speech sound reinforcement, sound transmission gain, sound pressure level, sound field uniformity, and music playback sound quality. In addition, professional audio processing equipment makes the voice clear, distortion-free and no feedback howling.

In this conference system, when the delegate mics D6802L and D6803L speak, the audio is sent to the mixer MG12 after being processed by the host D6801, and then to the processor D6575, to the amplifier MX1500II, and to the speaker D6563, so as to achieve local sound reinforcement; 4 speakers D6563 enable sufficient on-site sound pressure margin, uniform sound field, and accurate sound image positioning.

#### **6. Intelligent power management system and automatic frequency lock**

It adopts the intelligent power management system. After the host is turned off, all mics will automatically shut down to reduce battery consumption. The speaking mic has automatic frequency tracking and has no need for complicated frequency pairing operations.

### **5. Main Devices**

#### **D6801 Wireless Microphone System Host**



### Feature:

- Wireless Conference System host(receiver)
- 2.4G universal wireless control and transmission technology
- One system can support up to 255 wireless microphones(chairman units/delegate units)
- Mature self-adaptive FHSS technology, high privacy and ability of avoiding interference
- Can be used with Wi-Fi-and Bluetooth devices without interfering each other
- 4 conference modes:
  - First in first out
  - Free mode(1-4 speakers programmable)
  - Chairman mode
  - Time=limiting speech mode
- Support camera tracking function,4 camera inputs,2 video outputs
- Support multiple camera communication protocol as PELCO-D, PELCO-P, VISCA
- Intelligent power management, when host is shut down, wireless microphone will shut down automatically
- 240x28 display screen, friendly menu setting, easy to use
- Working distance $\geq$ 60m

### Specification:

Model	D6801
Power supply	DC12-17V

Sensitivity	—105dbm
S/N Ratio	>40dB
T.H.D	<0.05%dB
Max. deviation range	45 KHz
Normal distance	30 meter ( only connect with normal antenna)
Working distance	60 meter ( connect with antenna amplifier)
Channel	4
Power	6.5W

## D6801T

### 2.4G Wireless Microphone System Antenna (Accessory Included)



Antenna Amplifier



Directive Antenna

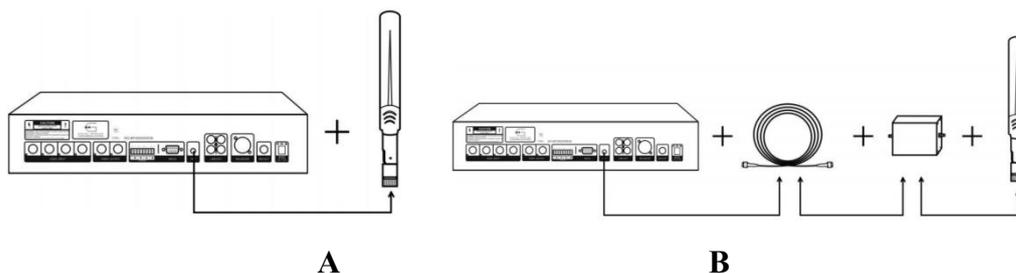
#### ● Connection Mode of Host and Antenna

##### A. Host + Omnidirectional Antenna

In an open environment, connect the 2.4G host to an omnidirectional antenna, with the straight-line distance of  $\leq 30$  meters.

##### B. Host + 10m Antenna Extension Cable + Antenna Amplifier + Omnidirectional Antenna

Connect the 2.4G host to the antenna extension cable, then to the antenna amplifier, and finally to the omnidirectional antenna, with the straight-line distance of  $\leq 70$  meters, which can meet the needs of different occasions and different environments. The omnidirectional antenna must be vertically upward (as shown in the figure), and it needs to pay attention to the front and back signs of the antenna amplifier, where “AMP” is connected to the host, and “ANT” is connected to the antenna.



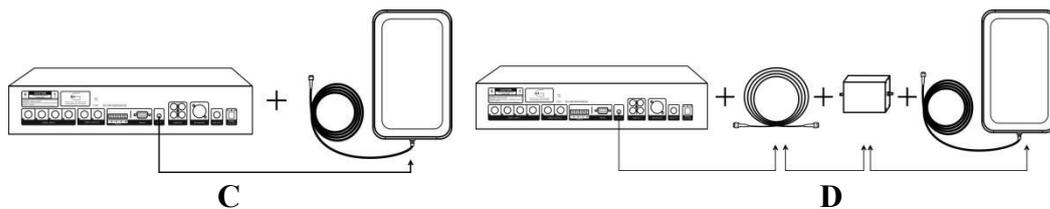
### C. Host + Directional Antenna

In an open environment, connect the 2.4G host to a directional antenna, with the straight-line distance of  $\leq 40$  meters. The directional antenna angle is  $120^\circ$ . The directional antenna must be vertically upward (as shown in the figure) facing the conference unit. It is forbidden to be used when covering or facing away from the conference unit.

### D. Host + 10m Antenna Extension Cable + Antenna Amplifier + Directional Antenna

Connect the 2.4G host to the antenna extension cable, then to the antenna amplifier, and finally to the directional antenna, with the straight-line distance of  $\leq 80$  meters, which can meet the needs of different occasions and different environments.

The directional antenna must be vertically upward (as shown in the figure) facing the conference unit. It is forbidden to be used when covering or facing away from the conference unit. It needs to pay attention to the front and back signs of the antenna amplifier, where “AMP” is connected to the host, and “ANT” is connected to the antenna.



### D6802/D6802L Wireless Microphone System Microphone

### D6803/D6803L Wireless Microphone System Microphone



### Feature:

- Wireless Conference System microphone (emitter)
- Hi-Fi uni-directional condenser Mic, high clarity, low noise, perfect reduction of original voice
- LCD screen display of signal, ID, conference mode, usage time, battery, etc.
- With power button and speech button, chairman unit with priority button
- With stand-by function, when the microphone is not in speech mode, will turn stand-by mode
- Intelligent power management, when host is shut down, wireless microphone will shut down automatically

### Specification:

Mode	D6802/D6803	D6802L/D6803L
Power supply	Dry battery (1.5V AA*3)	Rechargeable lithium battery (DC4.5V)
Transmitter power	10mW	10mW
Microphone core	Condenser, single direction	Condenser, single direction
Sensitivity	-43±2dB@1KHz	-43±2dB@1KHz
Frequency response	20Hz~18KHz	20Hz~18KHz
Power consumption	130mA	130mA

### D6806L

#### 10-channel Power Adapter



### Feature:

- The designed charging mode is “constant variable current type”, that is, when the terminal voltage of the battery is lower than the preset value, the battery is charged with constant current.
- After the terminal voltage of the battery is higher than the preset value, the charging current gradually decreases as the voltage of the battery rises.

- With high work efficiency to protect the battery better.
- With perfect protection function: no overcharge or overcurrent, greatly reducing the ineffective heating of battery charging.
- Adopt metal spray paint process for chassis, easy to install and operate.