

# Digital Wireless Microphone System DWM1 Pro.2 User Manual



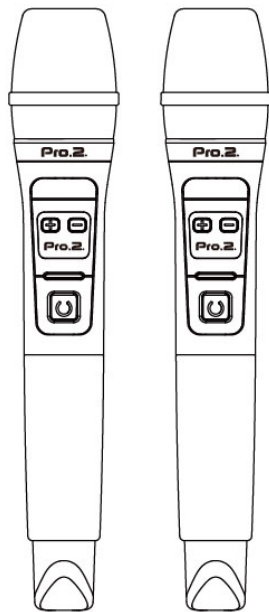
## Main Features

**\*\*This is the first kind of microphone created with 2.4G Digital Wireless Technology, avoiding interferences issues commonly stipulated in wireless microphone before successfully that you can enjoy high-quality sounds now.\*\***

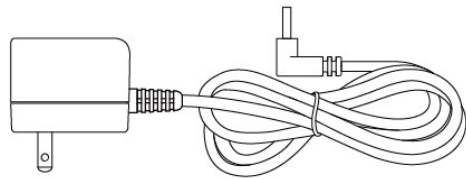
- DWM1 is equipped with thick and solid bass and clear pitch that highly sensitive sound head enables presentation of genuine human voice which is applicable to multiple purposes such as singing, giving speech, conference and teaching.
- First innovative 2.4G Digital Wireless Technology in Industry is used for no-harassment in management of channels with audio quality in perfection rendered!
- 2.4G Digital Wireless Technology is featured with its high-speed transmission and 60m linear reception.
- None of interference issues incurred with multiplayer in one room because of its capability of 3 sets wireless microphone system extended.
- Volume Adjuster is uniquely attached that + - buttons on the microphone enables to adjust volume remotely with ease; the thoughtful installation of switch at thumb grip under ergonomic design enables switch on/off only via pressing buttons.
- The exterior streamlined design, in line with visible pearl white paint and further thermal UV treatment, is free of paint falling everlastingly which highlights its high quality.
- The dustproof net, made of high-stiffness of steel, presents higher level of protective effects from extremely precise electroplating treatment and coating on the surface; the closely integrated design in the sound head and net head of microphone is excellent in drop and shock resistance which significantly reduces extra sound generated from shakes.
- 2.4G Technology is featured on its extremes of energy saving; wireless microphone powered from common kind of alkaline battery(1.5V AAA x2) is endurable more than 35 hours successively.
- Design of Energy Saving : 10 minutes putting aside without any sound input will power off the microphone; function of low-pressure alert will turn the switch light to red while the battery is running out.
- Function of LED expressions on volume and digital number on receiver makes it be in easier and faster operation.
- Mini Antenna at unique design reduces more chances in damages of bending; it can be rotated at 180 degree and folded up at 90 degree which makes storage be simpler.

- The ultra-thin design of mini receiver at 200g enables you to hand carry in convenience or include it into decoration at home simply.

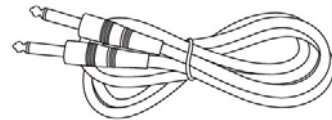
### Product Info



(1) DWM1-Digital Wireless Microphone



(3) 5V DC Power Supply  
(Input 100~240V)



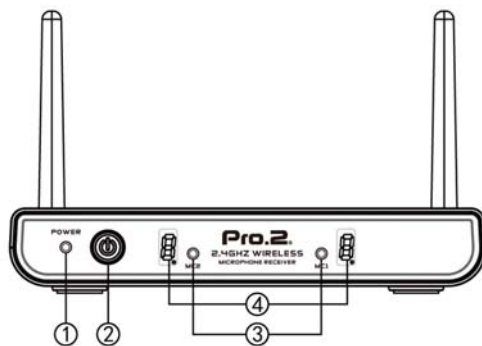
(4) φ6.3mm Gold-Plated Plug with  
Double Needles



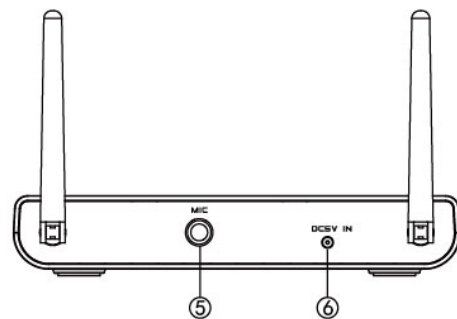
(2) DWM1-Digital Wireless Receiver

● DWM1 Digital Receiver

I. Introduction to Parts



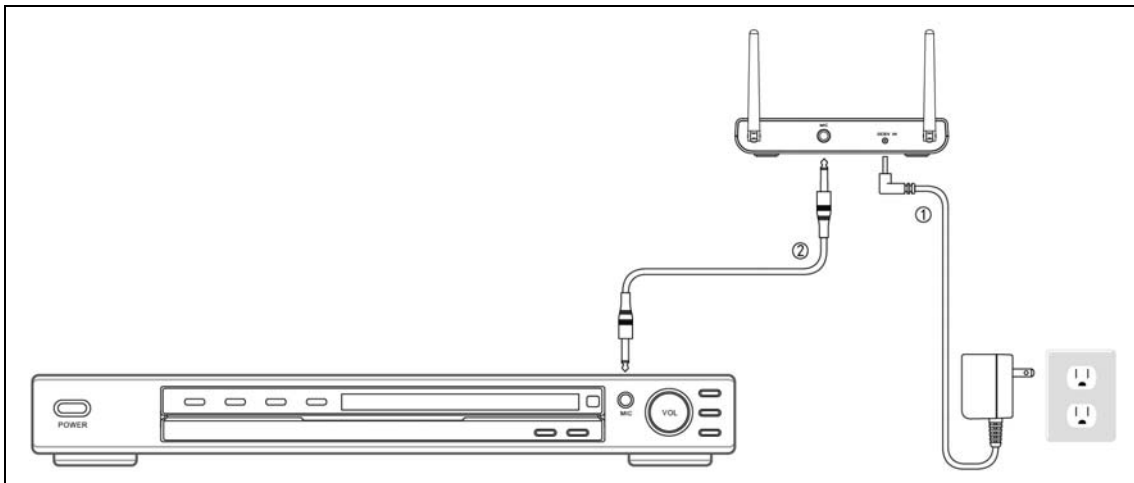
Front Side



Back Side

1. Power ON/OFF Light(Power) : Blue light is on when it is powered on.
2. Power Switch: Power ON/OFF the Receiver.
3. Match Button on Microphone(MC1、MC2): It is used for match between microphone and receiver
4. Volume Light : Expressed in red LED digit number, control the volume through wireless microphone; Volume range is 0~9; 0 refers to mute and 9 refers to largest.
5. Audio Output Hole (MIC) :  $\varnothing 6.3$ mm audio output hole, connects receiver to power amplifier or input surfaces such as mixer, karaoke machine through transmission line.
6. Power Input Hole : Connect Power Supply and Input power at 5V(DC).

## II. Installation and Operation of Receiver:



1. Connection of Power Input : Connect input side of 5 V ( D C ) Power Supply to power input hole and connect the other side to AC Power Outlet  
(Note : AC Power spec of POWER SUPPLY must fit with voltage range locally)
2. Connection of Audio Output : Connect  $\psi$ 6.3mm Plug with Double Needles to Audio Output Hole of Receiver(MIC) and connect the other side to Power Amplifier or other input surfaces of mixer (MIC IN).  
(Note : Please connect both sides of  $\psi$ 6.3mm Plug with double needles well, then, power on Power Amplifier or other machines with audio input, such as mixer. It is to avoid any temporary sound of contact while in connection between machines such as Power Amplifier or Mixer and  $\psi$ 6.3mm Plug with double needles)
3. Power on and activate the projector; blue light is on.

## III. Precaution

1. The receiving frequency is best while the antenna is installed at 90 degree vertical to the ground.
2. The receiver enables with 3 sets of wireless microphone system, but need to follow with dealer's instruction of systems without interferences.
3. To avoid frequency interferences, please place it away from microwave and WIFI Host.
4. Do not use and store it in thermal, humid places with dust and place it apart from child below 3.
5. Do not drop it down and collide by force to avoid damages of interior circuit board.
6. If it is dirt, wipe it with soft cloth; organic solvent classified as chemical product is prohibited.

● DWM1 Digital Wireless Microphone

I. Introduction to Parts

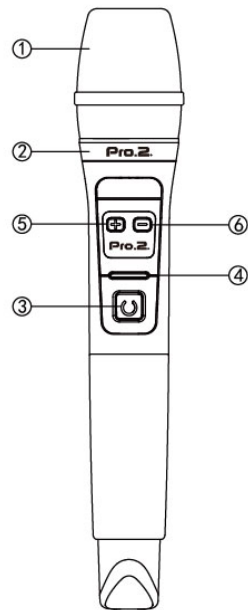
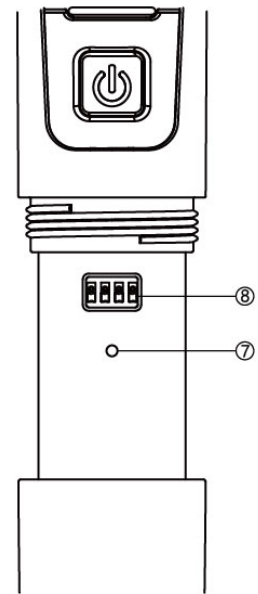


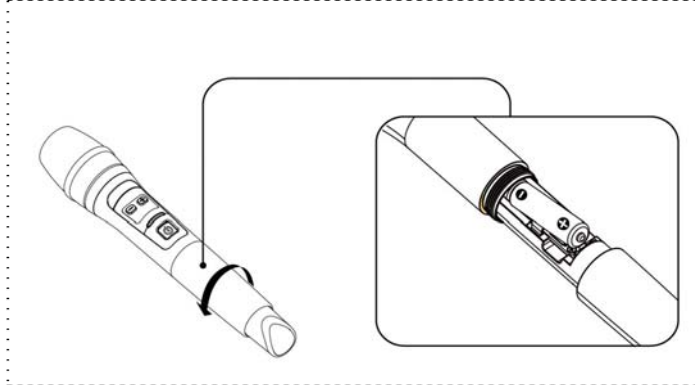
Diagram of Front Side



Partial Enlargement of Match Key and  
Frequency Key

1. Net Head of Microphone
2. Metal Trims : Classified into blue and pink
3. Power Switch(☺) : Power ON/OFF in 2~3 seconds of press
4. Power Light : Green is on while it is powered on; Red is on means to replace it with new batteries.
5. Volume Key – : Press it lightly to decrease the volume of microphone.
6. Volume Key + : Press it lightly to increase the volume of microphone.
7. Match Key : It is used for match between projector and receiver
8. Frequency Key : Adjust range of applicable frequency to avoid interferences from transmission of same frequency.

## II. Battery Installation



1. As shown on above chart : Rotate bottom side of microphone counterclockwise until the sleeve is removed.
2. Please put into 2 batteries (1.5V AAA Alkaline or Rechargeable Battery) correctly into the battery compartment that negative pole is toward the net head.
3. Rotate the bottom side of microphone back clockwise once Item 2 is done.
4. The batteries shall be removed if not use microphone for a long time, avoiding damages of springs and circuit inside arisen out of battery fluid flowed.

## III. Operation

Frequency of projector and microphone has been matched while in delivery, please operate as follows:

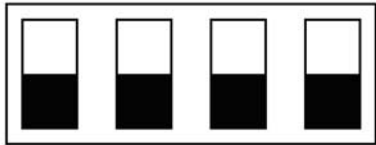
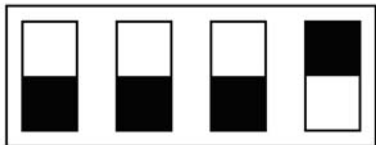
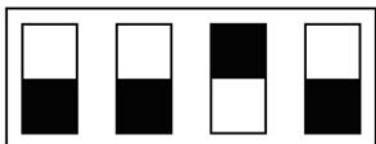
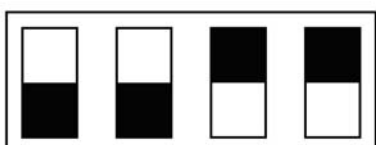
1. Power on the microphone by press POWER Switch of microphone lightly for (⏻) 1~2 seconds. At this time, the green light is on. AT the mean time, volume light of receiver is on, referring to volume of microphone. (Note : If the volume light is off, means receiver and microphone is not match which needs to be done anew)
2. Please operate as follows for matching microphone anew:
  - a. Power on the receiver and projector; remove bottom side of microphone.
  - b. Press match key of microphone for 3~5 seconds until power light is flashing, then, press match keys of receiver(MC1 or MC2) for 3~5 seconds that the receiver is entering into status of searching frequency now. When the volume light of receiver is on, means they are matched.
  - c. Under normal situation, the operation can be done within 15 seconds.

#### IV. Troubleshooting

If any interferences in your microphone, please operate as follows:

FM SW	Rank	LF (MHz)	HF (MHz)
0000	0	2404	2444
0001	1	2406	2448
0010	2	2408	2450
0011	3	2410	2452
0100	4	2412	2454
0101	5	2414	2456
0110	6	2416	2458
0111	7	2418	2460
1000	8	2420	2462
1001	9	2422	2464
1010	10	2424	2466
1011	11	2426	2468
1100	12	2428	2470
1101	13	2430	2472
1110	14	2432	2474
1111	15	2434	2476

<b>Ranking List</b>	 <p><b>Ranking : 0 ( 0000 )</b></p>  <p><b>Ranking : 1 ( 0001 )</b></p>  <p><b>Ranking : 2 ( 0010 )</b></p>  <p><b>Ranking : 3 ( 0011 )</b></p>
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**Frequency Key: Diagram of Ranking**

1. Rotate bottom side of microphone counterclockwise until it is removed.
2. Buttons up and down to adjust frequency of microphone (Key Up: 0; Key Down: 1).
3. 3 ranks difference is set among frequency of every microphone (Ex: Microphone A is 0000, and Microphone B will be 0011; you can refer to Ranking List for desirable one).

#### V. Precaution

1. Do not use and store it in thermal, humid places with dust and place it apart from child below 3.
2. Do not drop it down and collide by force to avoid damages of interior circuit board.
3. If it is dirt, wipe it with soft cloth; organic solvent classified as chemical product is prohibited.

\*\*Without prior approval, corporation, legal entity or user is not allowed to alter frequency, enlarge power or change designed feature or function on low-power radio with types certified in accreditation.



The application of low-power radio shall not influence safety in the flight and cause negative impacts on legal communication; stop using if in event of interference until it is improved. Low-power radio must bear with interference from legal communication or wave radiated & electronic equipments specified for industry, science and medical fields. \*\*

### **Federal Communication Commission Interference Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

***FCC Caution:*** To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

### ***FCC Radiation Exposure Statement***

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.