



artsound

WP-8000B

User Manual

Please follow the instructions in this manual to obtain the optimum results from this unit. We also recommend that you keep this manual handy for future reference

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1.0 Descriptions.

WP-8000B is a remote control panel work together with MAT-8000, which will be used as a remote source selector, volume control and local input panel. The remote control panel is designed with LED to provide direct display of the selected sources, the up and down button will be used increase or decrease the source input channel. A ten levels volume control is provided over the sources. A line input by dual RCA type connector and a microphone

input by XLR type connector are included, while both of them are designed of level control. The communication between the panel and the matrix is through universal industrial standard CAT5 cable, which also is used to supply power from the matrix to this panel within 50 meters. There are total 8 units of remote control panels could be work together with the matrix.

2. Front panel & rear panel.

1. LABEL.

The label could be end user-printed as guidance over sources.

2. POWER LED.

The LED will be light on blue after power on and will be extinguished after power off.

3. SOURCE CHANNEL LED.

The white LED in blue background will display the source channel 1 to 8 as 01 to 08 and local input as L.

4. SOURCE UP & SOURCE DOWN.

The two buttons are used to increase or decrease the input sources channel from 1 to 8 and local input.

5. LINE INPUT.

Local line input by dual RCA type connector.

6. MIC INPUT.

Local microphone input by XLR type connector.

7. MIC LEVEL.

Ten levels volume control over local microphone input, clockwise adjustment to increase the volume from low to high level.

8. MUSIC LEVEL.

Ten levels volume control over local line input, clockwise adjustment to increase the volume from low to high level.

9. SOURCE LEVEL.

Ten levels volume control over selected source output, clockwise adjustment to increase the volume from low to high level.

10. JTAG CONNECTOR.

It is used to burn program.

11. MIC CONNECTOR.

12. MIC SIGNAL INPUT.

Connector to input microphone signal to the PCB board.

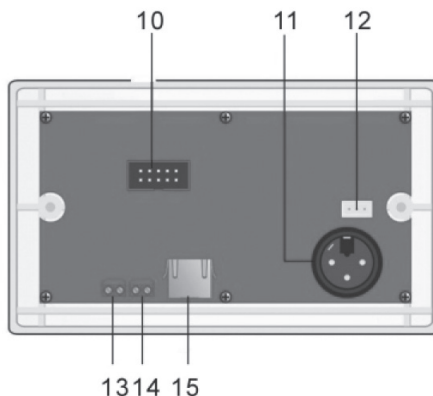
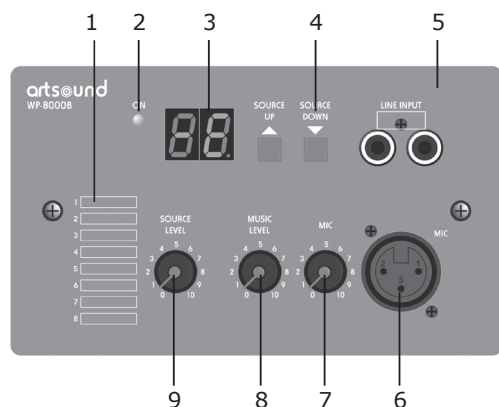
13. SPARE AUX OUTPUT TO AMP.

14. SPARE 24V DC INPUT.

Extra DC 24V will be needed to power supply the remote control panel when the communication distance is longer than 50 meters.

15. RJ45 COMMUNICATION PORT.

The RJ45 port is used to communicate between the remote control panel and the matrix, it also will be used to power supply the panel within 50 meters.



3. Connection & wiring.

1. POWER SUPPLY.

The RJ45 port is used to communicate between the remote control panel and the matrix, it also will be used to power supply the panel within 50 meters. While spare DC24V input is provided for extra power supply to the remote control as soon as the communication distance is longer than 50 meters. The communication cable shall be universal industrial CAT5 cable.

2. LOCAL SOURCE INPUT.

The local source input through the dual RCA aux input connector.

3. MICROPHONE INPUT.

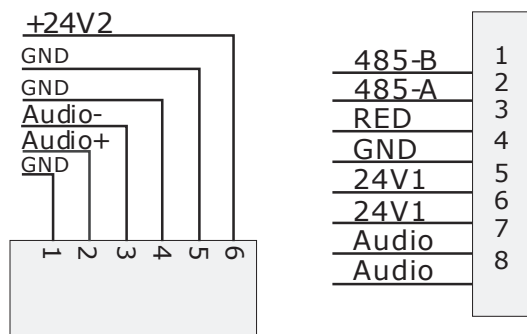
The mic input's 3 pins at the back side will be send to the PCB board through the microphone signal input.

4. AUX OUTPUT.

Aux output is included in the RJ45 communication port, a spare aux output is also provided.

5. SPARE AUX OUTPUT & SPARE 24V DC INPUT.

6. RJ45 COMMUNICATION PORT.



4. Operation.

1. POWER SUPPLY.

The remote control panel will be power on whether there is DC24V from the matrix or extra equipments. The power indicator will be light on blue, which also will be as status indicator to display the communication is well or not.

2. SOURCE SELECTION.

Total 9 sources include line 1-8 and local input could be selected on the panel through up and down

buttons. The selected source will be displayed on the LED.

3. VOLUME CONTROL.

A ten levels volume control is provided for each input includes source, local line and local microphone.

5. Specifications.

Communication Speed	57600 bps
Communication Distance	≤ 1 Km
MIC Input	10 mv
Aux Input	335 mv
Aux Output 775mV	775 mV
S/N Ratio	MIC ≥ 65 dB BGM ≥ 75 dB
THD	≤ 1% 1 KHz
Power Supply	DC 24 V
Weight	153 g
Dimensions (w x d x h)	86 x 146 x 33 (mm)