



WMP-1206

Speaker Circuit Zone Selector

User Manual

Version: 1.0

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Overview

Thank you for purchasing WMP-1206 Speaker Circuit Zone Selector from BXB Electronics Co.

WMP-1206 is the latest speaker circuit zone selector with superb performance and elegant design which can be used in various occasions.

The advanced digital control module provides 6 in 12 out single-area broadcast buttons, 1 programmable group button and 1 all-call button to make your PA system even more powerful.

Built-in RS-485, RS-232 and USB ports facilitate integrating with other control systems.

High reliability is our utmost purpose when developing BXB system. Each main control unit and its fittings have all gone through careful assembly and strict test in our ISO 9001 approved factory. The excellent performance, high reliability and reasonable price make it the indispensable system for you.

System Features

1. 12 single-zone buttons, loads more than 300W
2. 1 programmable group button
3. 1 all-call button
4. LED display on each button
5. Group button setting can be changed anytime
6. Zone activate by relay connection
7. Crosstalk prevents design
8. RS-485, RS-232 and USB ports facilitate integrating with other control systems
9. Input control flip-flops for remote activate timer-clock
10. Output control flip-flops for remote activate amplifier
11. WMP-1206 can be used individually or used with digital/ analog connect. With RS-485 port, it can expand another WMP-1206; expand apparatuses are unlimited when using analog contacts.
12. Up to 6 speaker circuit inputs and 12 speaker circuit outputs for random combination.
13. Multiple units connectable for area expansion.

【Specification】

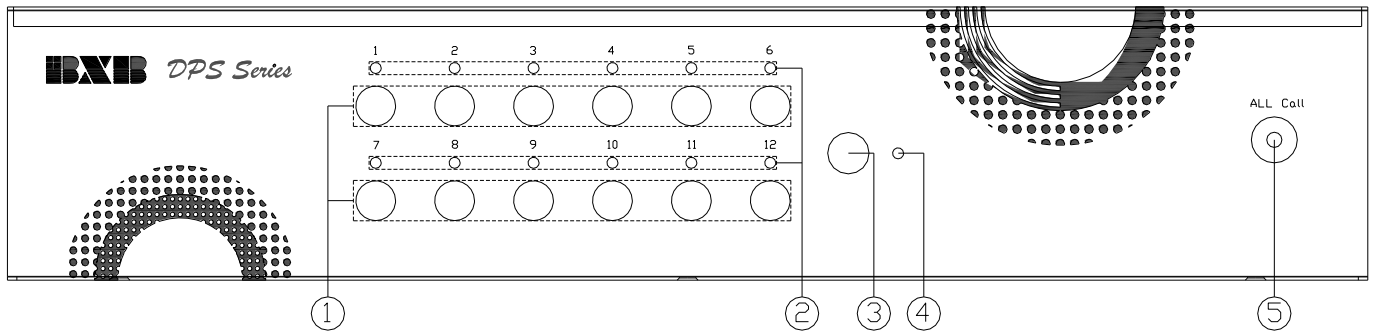
- ⊙ Power Supply: DC15V/1A (MAX)
- ⊙ Output: 12 zones, 300W for each zone, maximum 3600W in total
- ⊙ 12 single-zone switches, 1 group switch and 1 all-zone switch
- ⊙ 1 remote all-call input terminal
- ⊙ All the switches are equipped with indicators.
- ⊙ W 483 x H 89 x D 270 (mm)

Safety Instructions

1. Please read and observe these instructions before installing and using the apparatus.
2. **Use only accessories specified by the manufacturer. The manufacturer is not liable for damage caused by the use of non-specified accessories.**
3. Install the apparatus and its accessories carefully. Strike and fierce shaking may damage the apparatus.
4. Make sure the power cord is fixed properly.
5. Do not overload wall outlets and extension cords as this can result in a risk of fire or short circuit.
6. To reduce the risk of damage from lightning strikes, it is important that all electric cables should be bonded to the same grounding point.
7. Do not block any ventilation openings to prevent overheating and malfunction.
8. Do not expose the apparatus to rain or moisture.
Humidity may lead inside components to damage. Appropriate shelter is necessary when placing it outside (Best working environment: Temperature 0°C ~ 40°C <32°F ~ 104°F>, humidity below 90%).
9. Please do not switch on and off the apparatus rapidly.
Rapid switch on and off the apparatus should be avoided all the time to prevent inside sensitive electronic circuits from being damaged by surges.
10. Do not clean the apparatus and its accessories with chemical solvents. Use only a clean, dry/dampish cloth.
11. Refer to maintenance technician when the apparatus has been damaged in any way, such as:
 - A• power-supply cord or plug is damaged
 - B• liquid has been spilled in
 - C• has been exposed to rain or moisture
 - D• has been dropped
 - E• objects have fallen into the apparatus
 - F• does not operate normally
12. Note: When the printed circuit board is going through electric static treatment, correct ESD safety precaution and grounding should be assured.
13. **Note: Before connecting the apparatus to main AC, please select the supply voltage in accordance with the wall voltage in your country to prevent damage. Refer to Installation and Setting (Page 8) for selecting.**
14. **Warning: Do not disassemble or remodel the product, as these actions may lead to electrical shock or damage. The guarantee on the product will become null if the product is ever disassembled.**

Operation and Features

Front Panel Description



① → 1-12 single-zone broadcast buttons

② → 1-12 single-zone LED indicators

③ → Programmable group button

✧ Simply press the group button and you can broadcast to preset groups.

✧ Preset groups:

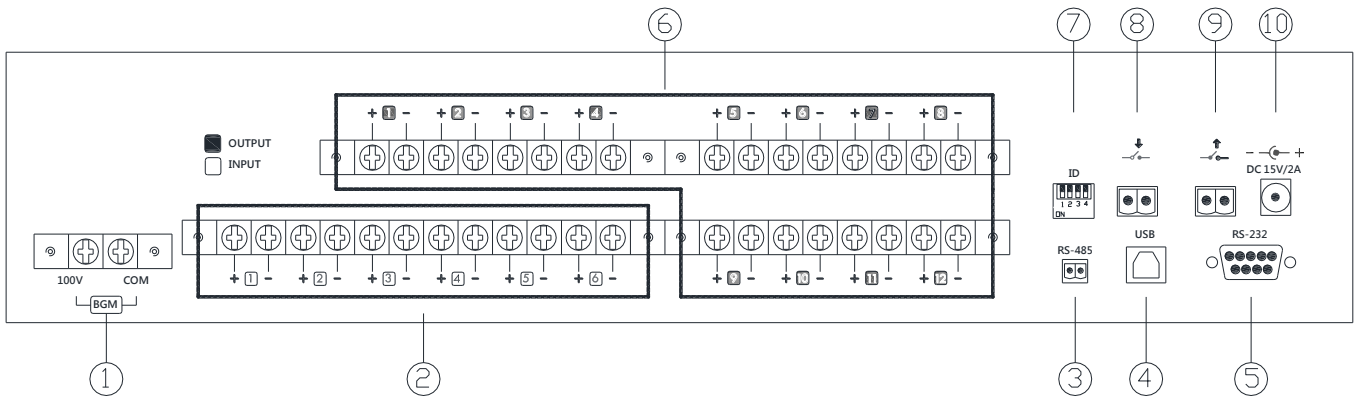
Press the single zones that you want to added in the group button (LED is on), and then press the group button for three seconds, flashing LED means setting is saved.

✧ Repeat instructions above to change setting. Reprogram the memory is not essential.

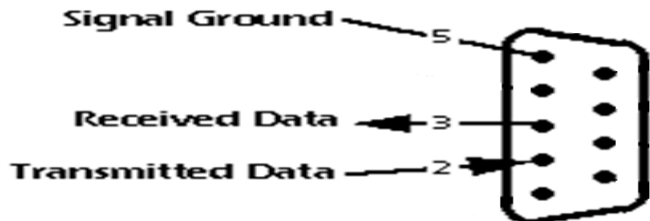
④ → Group broadcast LED indicator

⑤ → All-zone broadcast LED indicator

Rear Panel Description



- ① → BGM background music amplifier (COM/100V) input terminal
- ② → 1-6 groups of speaker circuit input terminal (1 input corresponds to 2 outputs)
- ③ → RS-485 communication port for other controller expansion
- ④ → USB 2.0: USB port (connects to PC for BXB graphical control software)
- ⑤ → RS-232 communication port for other control systems
 - 2nd foot: Transmitted Data (Tx)
 - 3rd foot: Received Data (Rx)
 - 5th foot: Signal Ground (G)
- ⑥ → 1-12 groups of speaker circuit output terminal (2 outputs correspond to 1 input)
- ⑦ → ID: DIP switch identity code (for expanders)
- ⑧ → External dry contact: all zone broadcast activates when contacted.
- ⑨ → Dry contact: contacted when WMP-1206 is activated (to activate amplifier).
- ⑩ → WMP-1206 working voltage: DC12V ~ DC15V (MAX)



Connection

❖ Sound amplifies to 100V high voltage through power amplifiers, and transmits to WMP1206. Last, it is outputted to speakers that broadcaster prefer. Dry contacts are triggered when the zone is activated, they would turn on power amplifiers.

