

OWNER'S MANUAL

PROFESSIONAL LOUDSPEAKER SYSTEM

B2 POWER Plsatic Series



B2-108 POWER
B2-110 POWER
B2-112 POWER
B2-115 POWER

Manufacturer: WIND FORCE ELECTRONIC MANUFACTURING CO.,LTD

Guangzhou Wind Force Electronic Manufacturing Co.,Ltd
Building1,Lifeng Industrial Zone,Zhongsheng Road,Zhongcun Town,Panyu District,Guangzhou,China
P.C. 511495

Tel: 020-66606029 FAX: 020-66618678

E-mail: windforce@biema.com service@biema.com



OWNER'S MANUAL

The information furnished in this manual does not include all of the details of design, production, or variations of the equipment. Not does it cover every possible situation that may arise during installation, operation or maintenance. If you need special assistance beyond the scope of this manual, please contact our Technical Support Group.

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

TO PREVENT ELECTRIC SHOCK DO NOT REMOVE COVER OR BACK. NO USER SERVICEABLE PARTS INSIDE REFERS SERVICING TO QUALIFIED SERVICE PERSONNEL.

MAGNETIC FIELD

CAUTION! Do not locate sensitive high-gain equipment such as amplifiers or tape decks directly above or below the unit. Because this amplifier has a high power density, it has a strong magnetic field, which can induce hum into unshielded devices that are located nearby. The field is strongest just above and below the unit.

If an equipment rack is used, we recommend locating the amplifier(s) in the bottom of the rack and the amplifier or other sensitive equipment at the top.

WATCH FOR THESE SYMBOLS:



The lightning bolt triangle is used to alert the user to risk of electric shock.



The exclamation point triangle is used to alert the user to important operating or maintenance instructions.



WARNING

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE!

1.INTRODUCTION

Biema B2 are a series of active speakers newly-launched in 2015. There are total five kinds of sizes. The 8" and 10" cabinets are not only stylish but also very compact, which can easy decorate any kinds of sound venues. The 12" and 15" cabinets are far more high power than traditional plastics speakers, which can complete with corresponding wooden cabinets in the same sizes. All speakers feature broad directivity, stunning mid and high sound reproduction, rich voice reinforcement and rugged quality. Its durability and quality, flexibility and scalability provide a variety of solutions for those small sound reinforcement venues such as Speech and vocals, music playback in entertainment, institutional venues especially when ease of use and portability are important factors or even live sound reinforcement. Bluetooth, USB, SD or MMC inputs, FM, record function with digital display and remote controller, different version optional

Biema
PROFESSIONAL SOUND SYSTEM

SERIES B2 PROFESSIONAL PLASTIC SPEAKER

SERIES B2 PROFESSIONAL PLASTIC SPEAKER

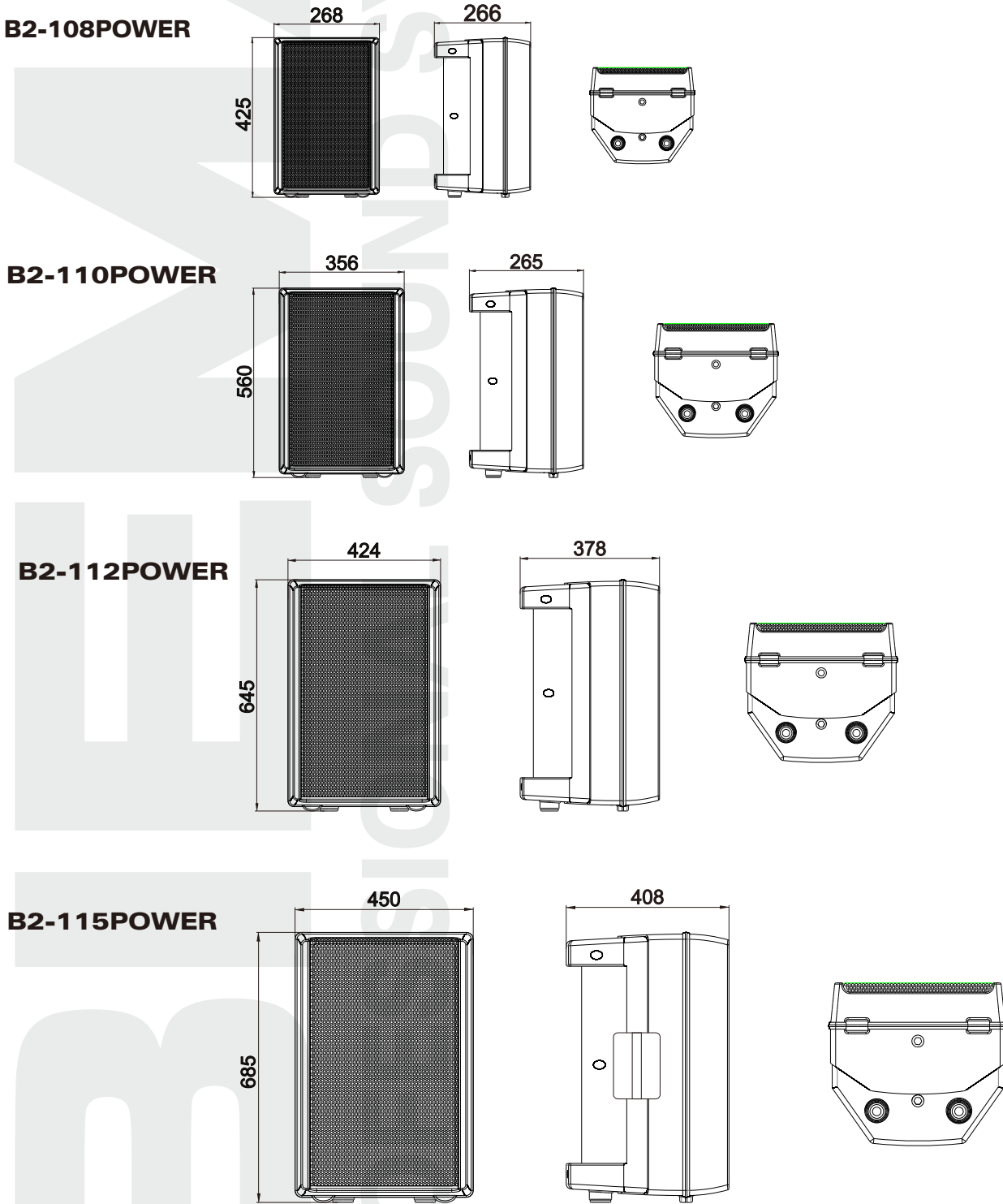
Specifications:

MODEL	B2-108 POWER	B2-110 POWER
Frequency response	80Hz-18KHz	75Hz-18KHz
Driver	BML-T801;BMH-A2S	BML-T1001; BMH-A3S
Directivity angle	H100°xV60°	H90°xV60°
Impdeance	4 ohm	4 ohm
AES power	200W	300W
Sensitivity	94db(1w/1m)	95dB
Maximum SPL	117dB(continuous); 123dB(peak)	120dB(continuous); 126dB(peak)
Connection	Servo-balanced	Servo-balanced
XLR connector	Servo-balanced	Servo-balanced
Input impedance	20K ohm	20K ohm
Sensitivity(line)	-4dB to +18 dB	-4dB to +18 dB
Limiter	Opto-controlled	Opto-controlled
Mains voltage	180-260V 50Hz	180-260V 50Hz
Fuse	180-260V T5A	180-260V T5A
Mains connection	Standard IEC connector	Standard IEC connector
Product/shipping dimensions(WxDxH)	266x268x425(330x310x485) mm	356x265x560(410x400x620) mm
N.W/G.W	6.0kg / 7.8kg	14.0kg /16.0kg

MODEL	B2-112 POWER	B2-115 POWER
Frequency response	65Hz-18KHz	60Hz-18KHz
Driver	BML-T1206; BMH-A4S	BML-T1506; BMH-A5S
Directivity angle	H80°xV40°	H80°xV40°
Impdeance	4 ohm	4 ohm
AES power	400W	450W
Sensitivity	97dB	98dB
Maximum SPL	123dB(continuous); 129dB(peak)	125dB(continuous); 131dB(peak)
Connection	Servo-balanced	Servo-balanced
XLR connector	Servo-balanced	Servo-balanced
Input impedance	20K ohm	20K ohm
Sensitivity(line)	-4dB to +18 dB	-4dB to +18 dB
Limiter	Opto-controlled	Opto-controlled
Mains voltage	180-260V 50Hz	180-260V 50Hz
Fuse	180-260V T10A	180-260V T10A
Mains connection	Standard IEC connector	Standard IEC connector
Product/shipping dimensions(WxDxH)	424x378x645(475x415x705)mm	450x408x685(500x450x730)mm
N.W/G.W	20.0kg /24.0kg	28.0kg / 31.5kg

Technical parameter's are subject to change without notice!

2.B2 Series Plastic Speaker Configuration



SERIES B2 PROFESSIONAL PLASTIC SPEAKER

3. (B2-108POWER/B2-110POWER)Control elements

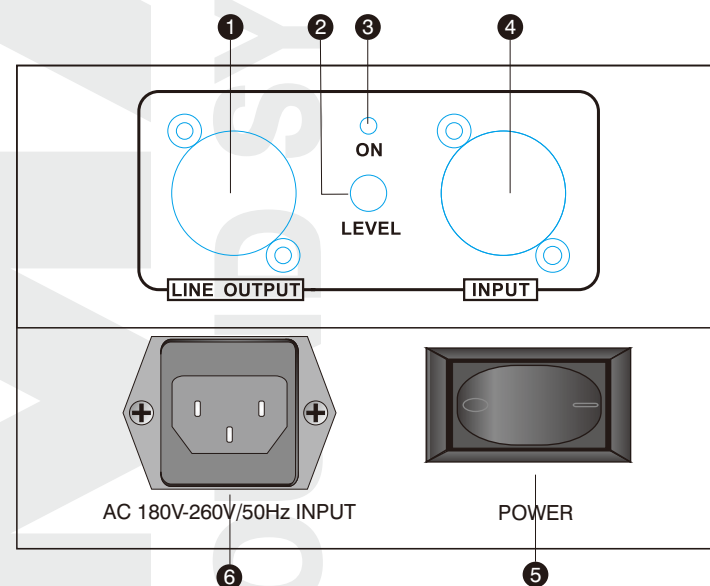


fig 1.1: Rear panel control and connecting elements of the B2-108POWER /B2-110 POWER

- ❶ Link output: The output is for linking. It can directly connect to the signal input of another speaker.
- ❷ Volume control: The knob is to adjust the master volume of the speaker.
- ❸ Line input LED: The LINE LED lights up when there is a line input.
- ❹ Signal input: Accepts balanced input. You can connect the signal by this jack.
- ❺ Power switch: The switch is for turning on and off the speaker.
- ❻ FUSE HOLDER/ MAIN CONNECTOR: Please make sure that the indicated voltage is complied with your local power supply before you attempt to connect and operate the speaker. Blown fuses may only be replaced by fuses of the same type and rating.

*The picture is only for reference.
Please make the object as the standard.

SERIES B2 PROFESSIONAL PLASTIC SPEAKER

4. (B2-112POWER/B2-115POWER)Control elements

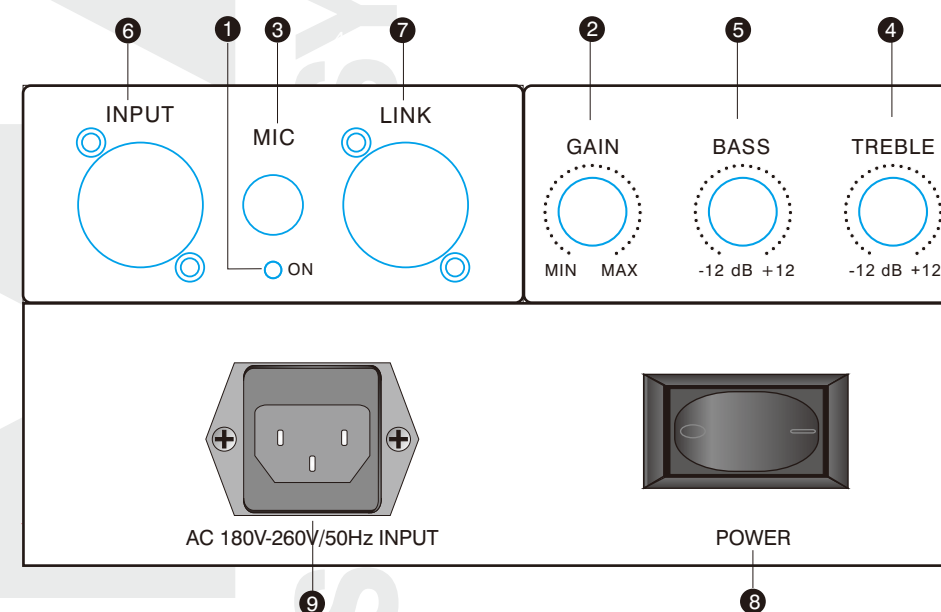


fig 1.2: Rear panel control and connecting elements of the B2-112 POWER /B2-115 POWER

- ❶ Line input LED: The LINE LED lights up when there is a line input.
- ❷ Volume control: The knob is to adjust the master volume of the speaker.
- ❸ Microphone input.
- ❹ Hi level control: The knob is to adjust the hi-frequency level.
- ❺ Low level control: The knob is to adjust the low-frequency level.
- ❻ Signal input: Accepts balanced input. You can connect the signal by this jack.
- ❼ Link output: The output is for linking. It can directly connect to the signal input of another speaker.
- ❽ Power switch: The switch is for turning on and off the speaker.
- ❾ FUSE HOLDER/ MAIN CONNECTOR: Please make sure that the indicated voltage is complied with your local power supply before you attempt to connect and operate the speaker. Blown fuses may only be replaced by fuses of the same type and rating.