

## How to Use

1. Connect your bass shakers to the speakers output of BSA-600. If you just want to connect one bass shaker, please connect it to the correct jacks directly according to the mark shows on the back panel.
2. Connect the audio source device to the RCA input of BSA-600 via high-quality cable.
3. Connect the power cord to the AC 100-240V in and then plug the power cable to the wall socket, and turn on the power switch on the back panel, the power indicator will be steady on and the display screen will show the volume value, that means BSA-600 has been turned on.
4. If the power indicator is flashing, please short press the VOL knob to turn it on and the power indicator will be steady on and the display screen will also show the volume value, and then rotate the knob to adjust the volume, the cutoff frequency and the balance knobs also can be adjusted according to your requirements.
5. Connect the wired remote to the BSA-600, and the cable is 5m long enough for you to control power on/off and mute/volume adjustment from the distance.
6. BSA-600 is designed with USB 5V charging output, convenient to provide power supply for your other device such as phone, tablet etc.

## FAQ

- Q: Why are all cables connected but there is no sound?
- A: 1. Please check the power switch is ON and the power indicator and display screen are on or not. If the power indicator is flashing, please short press the VOL knob to turn it on.

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2. Please check the power output mode is correctly selected and the speaker jacks are correctly connected.
3. If all is fine, please check whether the audio source is muted, paused or the volume is too small.

Q: Why is the sound distorted?

A: Maybe the amplitude of input signal is too large. If the volume of audio source and the BSA-600 both are turned to maximum, it is easy to cause distortion. Please turn down the volume of audio source or BSA-600.

Q: Why there is no sound or very little sound after the amplifier is connected to the speaker?

- A: 1. Please check the audio source has been turned on and the volume is not at the minimum.
2. Please confirm whether the speaker and amplifier match ( For example, the speaker is fixed resistance or fixed voltage, the power of speaker is too much over the power of the amplifier etc).

Q: What are the reasons and troubleshooting methods for the unbalanced volume between the left and right speakers?

- A: 1. For a normal power amplifier, the volume on the left and right sides should be consistent. If there is an imbalance, please check it from the sound source, input cable, volume potentiometer, speaker cables, speakers (whether the placement of the speakers is symmetrical) etc.
2. BSA-600 with balance adjustment, please adjust the knob until you feel both channel is balanced.

Q: Why can't the BSA-600 turn on automatically again even if there is a signal after it is shut down manually in AUTO mode?

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A: When the BSA-600 is in AUTO mode, it will automatically enter standby mode when there is no signal for 10 minutes. The signal detection circuit will continue to work, it will trigger automatic startup once there is a signal input. Manual shutdown will close all circuits and the BSA-600 will enter low power consumption mode. Even if there is a signal, BSA-600 cannot be turned on automatically, it can only be turned on manually.

Q: Why is there a thumping sound when switching on/off?

A: Please confirm the on-off sequence is correct, normally it follows the order of signal transmission when turn on: audio source → preamp / DAC → amplifier → speaker. (The sequence is reversed when switching off. As the internal capacitors will be discharged for a while after shutdown. If turn off the preamp firstly and then turn off amplifier, impact sound will be easily caused which may damage the amplifier or speaker in severe cases).

## Warning

1. Please do not open the shell without permission, improper operation may cause a risk of electric shock.
2. Please don't operate BSA-600 in a high temperature or humidity environment.

## Contact Information

- Website: [www.doukaudio.com](http://www.doukaudio.com)
- Email: [nobsound@doukaudio.com](mailto:nobsound@doukaudio.com)
- WeChat/Whatsapp: +86-17704028602
- Address: Room 1329, Wang Cheng Building, Long Guan East Road, Long Hua District, Shen Zhen, Guang Dong, China, 518000

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Nobsound

**DOUK AUDIO**  
MAKE HI-FI AFFORDABLE

BSA-600

## Introduction

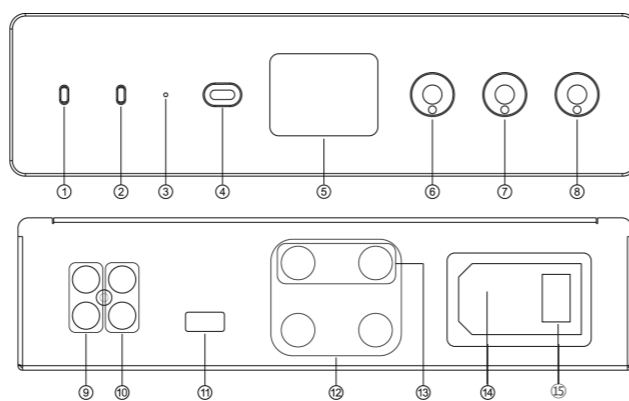
BSA-600 bass shaker and subwoofer amplifier is designed by Douk Audio, specifically to power tactile transducers but works equally as well as a dedicated subwoofer amplifier. BSA-600 adopts TPA3255 chip, the max. output power reaches 115WPC(4Ω/stereo and 230WPC(2Ω/ mono), also with a group of RCA output to connect other amplifiers or speakers and USB 5V charging output to power your other devices. With cutoff frequency and balance knobs, let you freely adjust the desired crossover point and output, making it easy to control over your set-up. BSA-600 also comes with a wired remote, convenient to adjust the volume externally from the amp.

## Warm Tips

1. If the power indicator is flashing after press the power switch on the back panel, please short press the VOL knob to turn it on and the power indicator will be steady on and the display screen will also show the volume value, that means the BSA-600 has been turned on.
2. The RCA input can be full-frequency signal or low frequency signal, the kind of RCA output signal depends on what the RCA input.
3. The banana speaker jacks only output low frequency and drive subwoofers or bass shakers, cannot power full-frequency speakers.
4. The RCA input and RCA output is in parallel, the RCA output without any.

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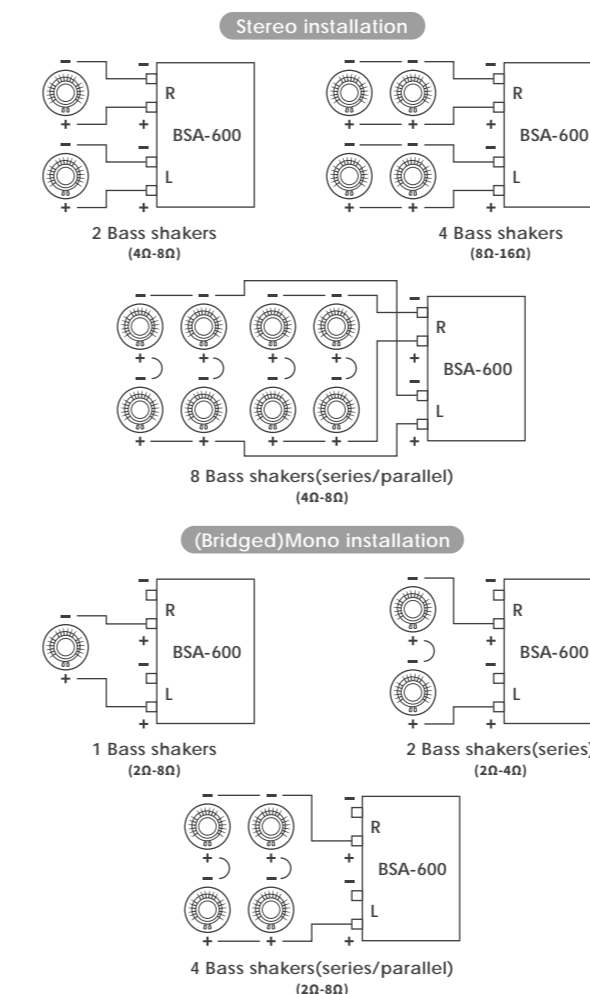
## Introduction of Front/Back Panel



- ① Mono/Stereo Switch
- ② Auto standby on/off if no signal input (AUTO: auto standby ON, ON: auto power on when connected to power supply)
- ③ Power indicator (Standby / Mute: flash Power on: steady on)
- ④ Wired remote interface (Short press: turn on / mute Long press: turn off Rotate: adjust the volume)
- ⑤ Display screen
- ⑥ Function knob ( Short press: turn on / mute Long press: turn off Rotate: adjust the volume)
- ⑦ Cutoff frequency adjustment knob
- ⑧ Balance adjustment knob
- ⑨ RCA input (White: left channel Red: right channel)
- ⑩ RCA output
- ⑪ USB 5V output
- ⑫ Banana speaker jacks (Red: positive Black: negative)
- ⑬ Speaker jacks (in mono mode)
- ⑭ Power interface (AC 100-240V)
- ⑮ Power switch

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## Bass Shaker Wiring Guide



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## Parameters

Brand	Douk Audio
Model	BSA-600
Audio input	Stereo RCA
Audio output	Banana speaker jacks / Stereo RCA
Max. output power	Stereo: 115W*2 (4Ω) Mono: 230W*1 (2Ω)
Matched speaker impedance	2-8Ω
Range of cutoff frequency	50-200Hz
Input sensitivity	0.22mV@50Hz
The time of entering standby if no signal input	After 10 minutes
The lowest drive level to power on	>15mV at 1KHz
Gain	40dB
Distortion	0.1%
S/N Ratio	>105dB
Output voltage of USB	DC5V/1A
Overheat protection	Display OL -- Overheat is relieved and it will recover after 10 seconds
Overcurrent protection	Display OC -- Overcurrent is relieved and it will recover after 10 seconds
Working voltage	AC 100-240V
External wired remote	Supported (5m / 16.4 ft)
Net weight	2.34kg/5.16lb
Package weight	3.0kg/6.61lb
Dimensions(W*D*H)	242*214*65mm / 9.53*8.43*2.56in
Package dimensions(W*D*H)	345*265*90mm / 13.58*10.43*3.54in

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