

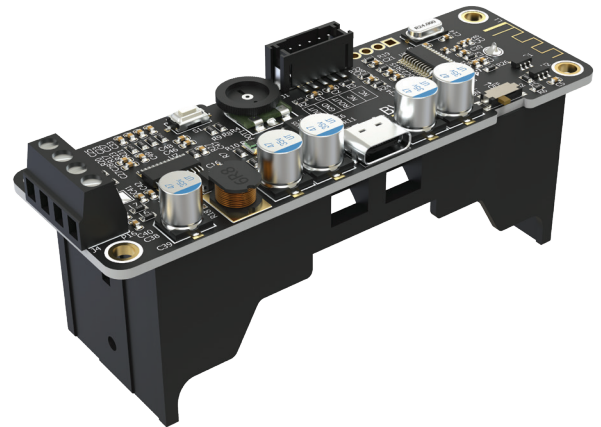
BVS26B

2x6W Bluetooth v5.0 Stereo Amplifier Board with 26650 Battery Socket

The BVS26B is a compact audio amplifier board that is capable of delivering stereo sound with a total output power of 2 x 6 watts.

Features:

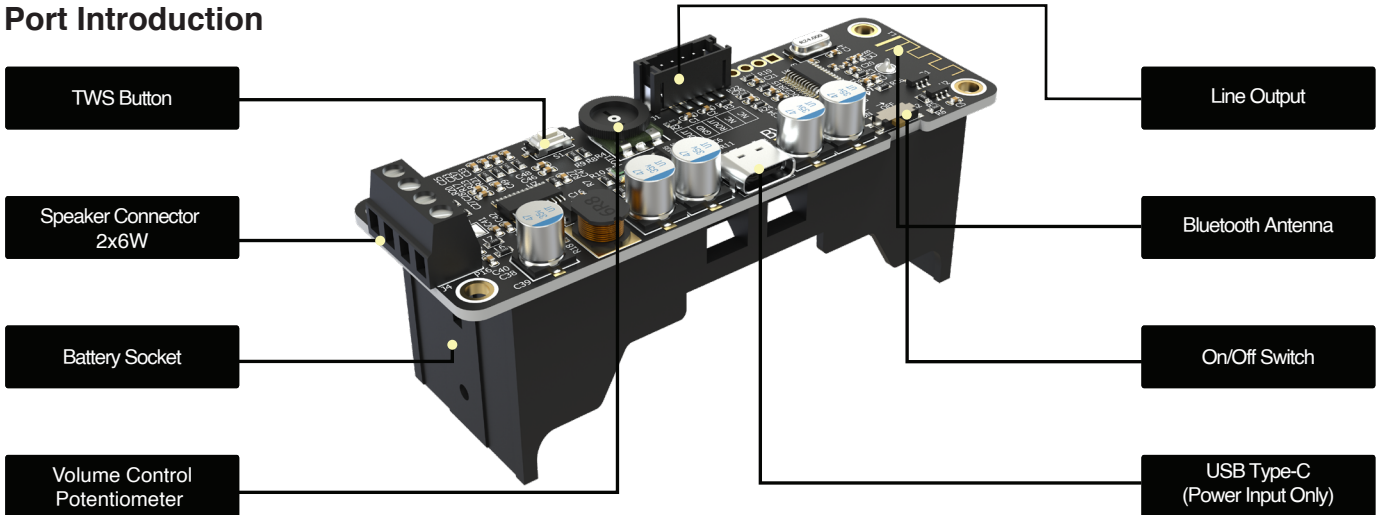
- Compact size and light weight.
- Supporting TWS mode.
- 12+ hours of portable playtime.



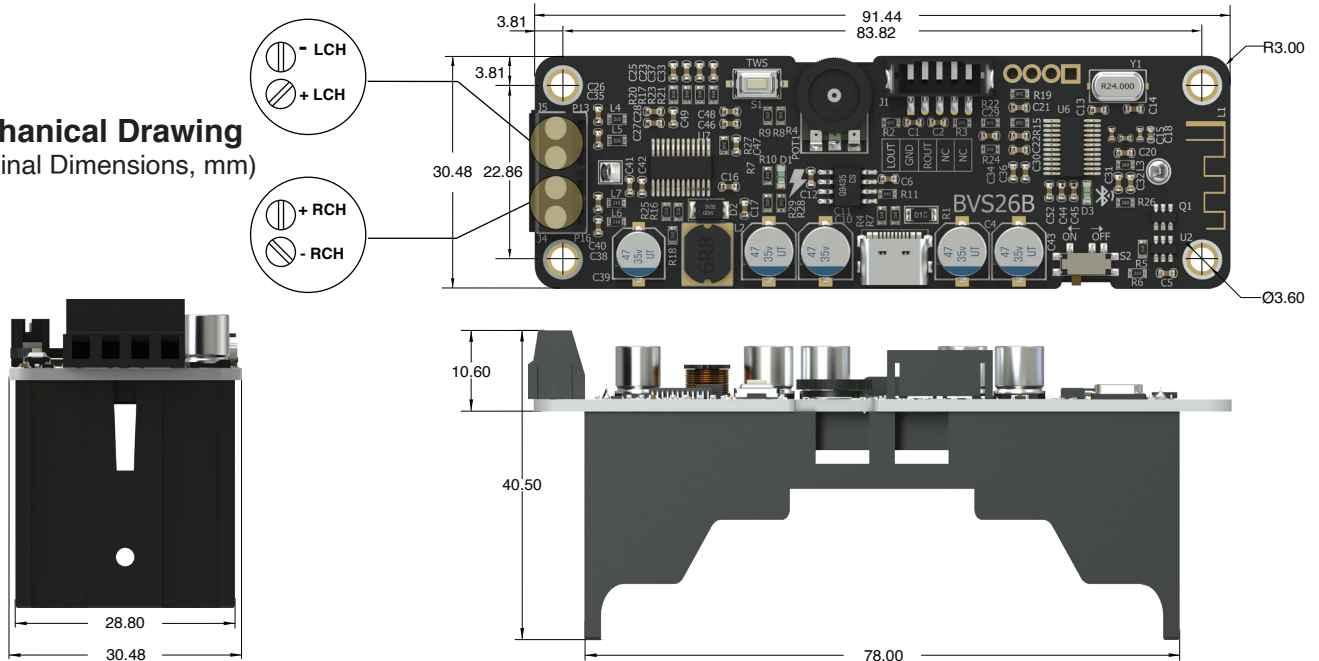
Parameters:	
Bluetooth Version	v5.0
Bluetooth Name	BVS26B
Supply Voltage	USB Type-C 5V
Audio Input Source	Bluetooth

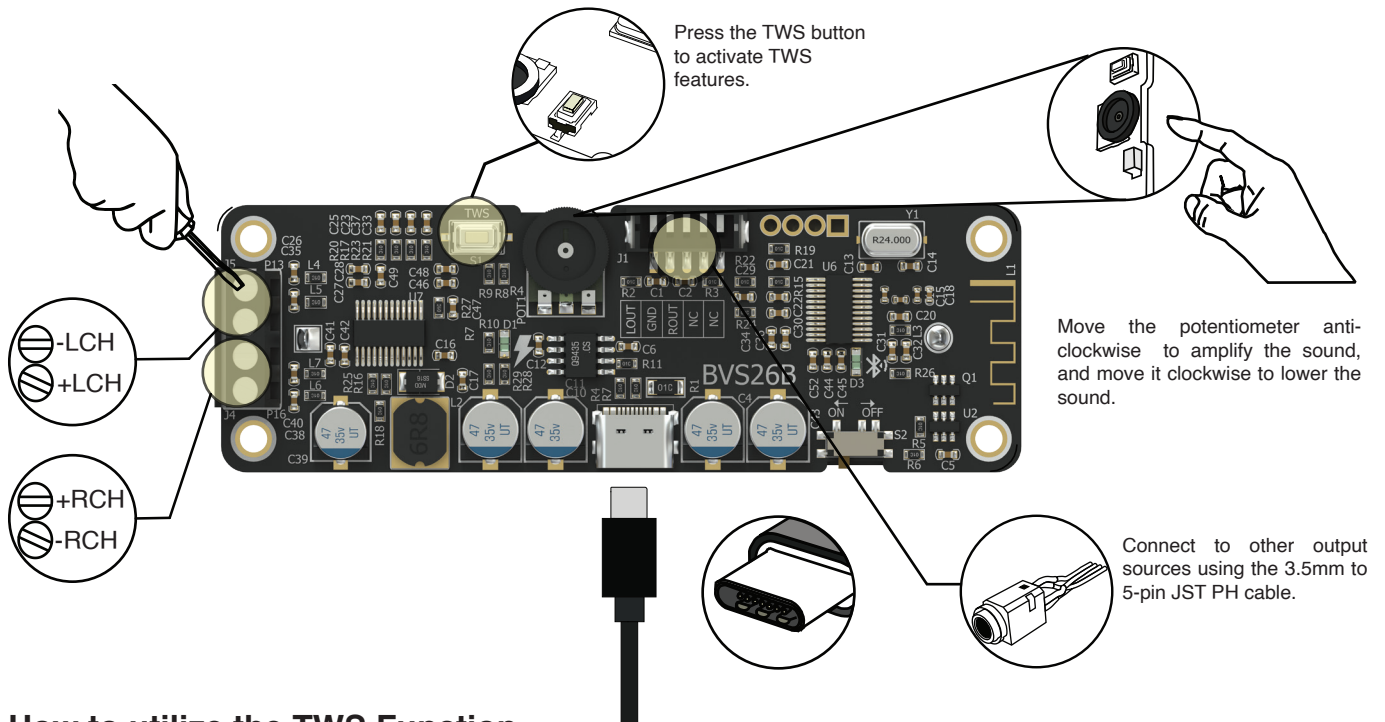
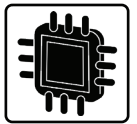
Parameters:	
Output Channel	2.0CH
Output Power	6W per Channel
Product Size	91.44 (w) x 30.48 (d) x 40.50 (h) mm
Net Weight	26.5g (Battery not included)

Port Introduction



Mechanical Drawing (Nominal Dimensions, mm)





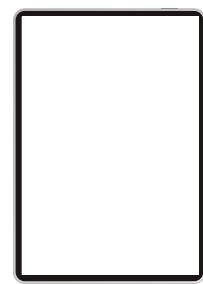
How to utilize the TWS Function

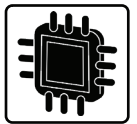
1. Obtain two BVS26B audio amplifier boards.
2. Turn on both amplifier boards simultaneously. The LED blue light on each board will blink, and you'll hear a sound indicating successful power-on.
3. Simultaneously press the TWS button on both BVS26B boards until you hear a different sound.
4. Release your finger from the TWS button after hearing the sound to activate TWS mode.
5. Observe the BVS26B boards to ensure certainty. One board's blue LED light will blink, while the other will remain lit.
6. On your mobile phone, open Bluetooth settings and connect to one of the BVS26B boards.



Audio Source Device(s)

- Smartphone, laptop, personal computer, tablet and etc.





Suggested Speaker

 SUFR4004 4 Ohm 4 Watt ø 1.50 inch	 SUFR7302 8 Ohm 2 Watt 2.75 inch x 1.25 inch	 SUPB5005 4 Ohm 5 Watt 2.00 inch x 2.00 inch	 SUPB5015 12 Ohm 15 Watt ø 2.00 inch
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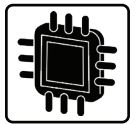
Audio and Electrical Performance

BVS26B Electrical Performance Parameters







Parameters	Conditions	Min.	Typ.	Max.	Unit
Operating Voltage	The board can only function when a battery is installed. The USB Type-C connector is solely for charging purposes and does not support data communication.	5	5	5.5	V
Charging Current	The board can only operate when a battery is installed. The USB Type-C connector is exclusively for charging, with no support for data communication. It is recommended to use a Type-C adapter with a current rating exceeding 1A, as a PC Type-A port may not supply sufficient current.	-	1.09	-	A
Switching Frequency	-	4	21	21	kHz
Power Consumption (The BVS26B audio amplifier cannot operate without the installation of a battery.)	Volume set to output peak voltage $V_{p-p}=6$, $V_{rms}=2.12V$, producing 1.12W into a 4-ohm load. The 'Moon River' song was used to test battery life, with the battery fully charged before the three test cycles. Volume set to output peak voltage $V_{p-p}=6$, $V_{rms}=2.12V$, producing 1.12W into a 4-ohm load. The 'Moon River' song was used to test battery life, with the battery fully charged before the three test cycles.	-	12	-	W
Playtime	Playtime may vary depending on usage. If used at high volume with heavy music (full consumption), the playtime may be shorter.	4.5	12	18	hours

BVS26B Audio Performance Parameters

Parameters	Conditions	Min.	Typ.	Max.	Units	
Output Noise Level	BT & NO BT Connected @ A-weighting	Left	-	4	-	uV
		Right	-	4	-	uV
SNR	-	-	-	-	dB	
THD + N	-	-	-	-	%	
DC Offset	-	-	5	-	mV	


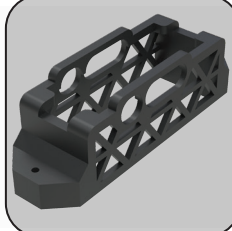
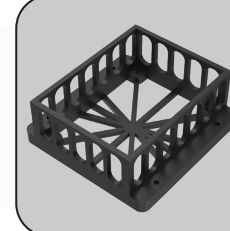
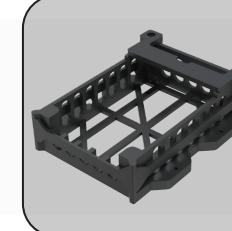


BVS Series Product Overview

 BVS25 Output Power 2x5W Power Supply USB Type-C DC 5V BT V5.0 BT TWS PC UI N	 BVS26B Output Power 2x6W Power Supply USB Type-C DC 5V/Battery BT V5.0 BT TWS PC UI N	 BVS250T Output Power 2x50W Power Supply DC 12-19V BT V5.0 PC UI Y	 BVS255TB Output Power 2x50W Power Supply DC 12-19V BT V5.0 PC UI N	 BVS2150 Output Power 2x150W Power Supply DC 15-36V BT V5.0 PC UI Y	 BVS2300 Output Power 2x300W + 2x300W Power Supply DC 15-48V BT V5.0 PC UI Y
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BVS Series Product Accessories

Product accessories can be downloaded on our website. We provide STL files for the purpose of 3D printing. If you have a 3D printer, you can continue to print them on your own. Alternatively, if you don't have a printer, you can send the STL file we provided to a store that offers 3D printing services.

				
BVS25	BVS26B	BVS250T	BVS2150	BVS2300

Warranty Terms and Product Usage Restrictions

Berrybak products come with a one-year warranty starting from the date of purchase. Customers are responsible for the cost of returning the goods to the seller, and by making a purchase, you agree to this condition. Due to the nature of DIY products, visible damage or use on screw holes or tinning of solder pads directly invalidates the warranty. Damage caused by the use of incorrect power sources, such as exceeding the specified voltage range or reverse polarity, is not covered under warranty. All Berrybak products undergo thorough testing before shipment. We do not accept bulk returns after a bulk purchase. If you are unsure of the quantity you need, please purchase the appropriate quantity as needed. All Berrybak products are intended for DIY use only and do not support any industrial applications. The rated operating temperature range is 0-40°C. Please refrain from using Berrybak products in industrial or any special industrial environments. If you require products tested for industrial operating temperature ranges, we recommend seeking products clearly labeled to support operating ranges such as -20-65°C or -40-85°C.

Designed by:

BerryBak™

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(Please use phone calls or email instead of WhatsApp or iMessage.)

To view our products and purchase, please check the Taobao or Aliexpress website by searching for the product name (example: BVS25).

Bulk Purchase Rights

All rights for bulk purchase are limited to the quantity acquired. For industrial customers seeking quantities below 100 units are welcome to make continuous purchases. Additionally, we offer the option to unlock special price rates, providing cost-effective solutions tailored to your needs. For distributors can follow our distribution pricing arrangement. You can request to gain a better understanding of the terms and conditions associated with our special price rates and distribution pricing by reaching out to our customer support at:

service@berrybak.com.

Retail Purchases: Retail purchases can exclusively be made through our official website platforms only at **Berrybak Audio Store (All Express)**. The listed prices visible on the platform are the retail prices and subject to change.

Customization for 500 Units or More: For purchases meeting the minimum quantity of 500 units, customers can have their brand logo placed on the PCB or panel. However, please note that Berrybak does not provide customization services such as changing PCB dimensions or adding/removing ports. We offer customization with options like adding your brand logo with silkscreen, offering various surface finishing options, and adjusting panel thickness.

Pricing Information: We offer a three-tier pricing structure: the retail price for single units, discounted rates for purchase above 100 Units, and further discounts for purchase above 500 units contact us for specific pricing details customized to your needs. If your purchase doesn't meet our standard pricing requirements, you can request a custom quote by reaching out to our email at:

service@berrybak.com.

Origin and Design Location

All Berrybak products are designed, manufactured, assembled, and shipped from Malaysia. The products' country of origin is Malaysia. We do not provide any services for sales, shipping, or manufacturing from other regions.