

BIT & BEAT BLUE AMP Op.5, No.1

ALL-IN-ONE INTEGRATED AMPLIFIER

INSTRUCTION BOOK

Perform perfect power supply with Toroidal Transformer

Attain driving capacity and a wider range of play with high-speed rectification and regulatory compliance techniques

Hi-Fi Integrated Amplifier

Application of drive amplifier constructed with independent discrete circuit record dynamic, detailed expression, silent and complete background sound

All-In-One Audio

Customized extend module (Available for purchase) can accommodate up to nine input modules which are BALANCE (Line Input), UNBALANCE (Line Input), AES/EBU (Digital Input), I2S (Digital Input), BNC (Digital Input), Bluetooth Receiver, PHONO EQ, USB DDC, DAC at one time but they can be easily swapped in and out as your system changes.

- Please be sure to read the "USER MANUAL" before using and then use accurately.
- The information contained in this USER MANUAL is subject to change without prior notice in order to improve the performance of the product.

CONTENTS

01	Product Introduction / Features / Components
02	Product Structure
03~05	Product Usage
06	Product Specifications
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Product Introduction

BLUEAMP Op.5, No.1 is a high-end integrated amplifier with a new sense of excellence that enables a user to build an optimal matching system at a reasonable cost by directly selecting and configuring the functions appropriate for the user's audio environment.

Features

BLUEAMP Op.5, No.1 is advanced product which perform exceptional sound as functions below.

“Perform perfect power supply with Toroidal Transformer”
Attain driving capacity and a wider range of play
with high-speed rectification and regulatory compliance techniques

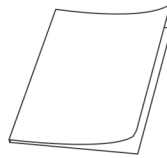
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Components



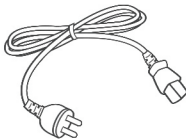
BLUEAMP Body



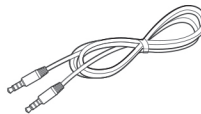
User's Manual



Remote control
(built-in battery)



Power cable (AC 220V)

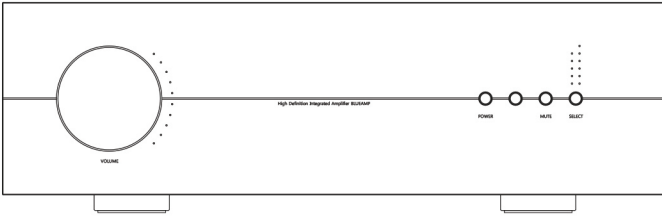


Link cable

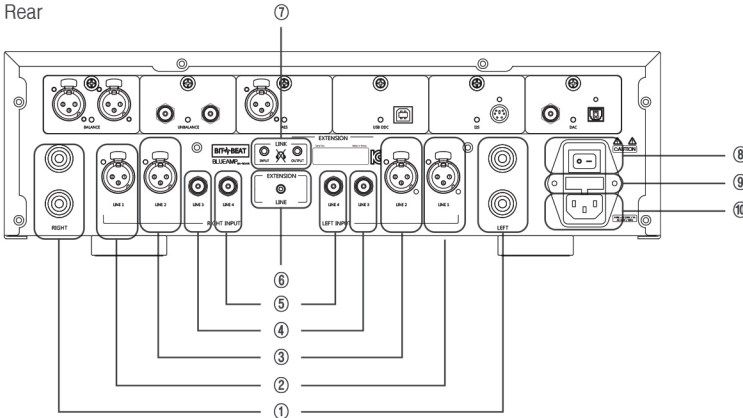
The image of this product manual is for user's understanding and may differ from the actual product and may be changed without prior notice.

Other ones than basic components can be purchased separately.

Front



Rear



Input	②	LINE Input 1 (BALANCE)	
	③	LINE Input 2 (BALANCE)	
	④	LINE Input 3 (UNBALANCE)	
	⑤	LINE Input 4 (UNBALANCE)	BLUE series connection terminal
Output	①	Speaker connection terminal	※ Never plug in any other company's products or earphones.
	⑦	BLUE LINK terminal	※ Please keep the power off if you are not using it for long time.
Power	⑧	Power switch	FUSE 250V 7A
	⑨	FUSE Holder	AC220V / 60Hz
	⑩	Power Input	



※ ⑥ When select switch is in LINE: Start to use in order of LINE1,2,3,4 <EXPANSION 1,2,3,4,5,6
 ⑥ When select switch is in EXPANSION: Start to use in order of EXPANSION 1,2,3,4,5,6 <LINE1,2,3,4>

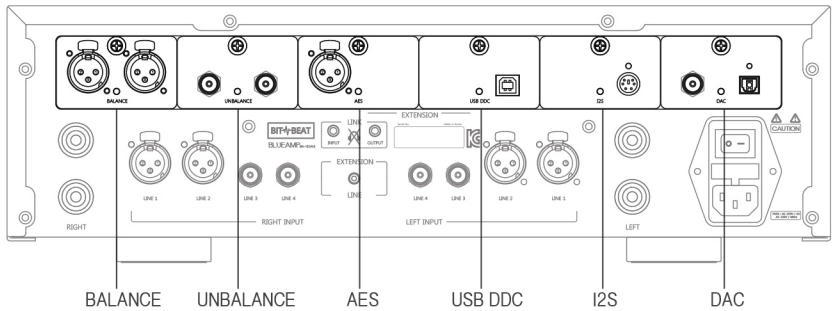
Product Usage

All-in-one Audio Function

Optional (sold separately) customized board has 9 boards for BALANCE (Line Input), UNBALANCE (Line Input), AES/EBU (Digital Input), I2S (Digital Input), BNC (Digital Input), Bluetooth Receiver, PHONO EQ, USB DDC and DAC, so you can configure it with the product you want. Up to 6 optional boards can be mounted. To use the digital input expansion board, a DAC expansion board should be installed.

Rear

[Example of optional features]



Analog	①	BALANCE	Line Input
	②	UNBALANCE	Line Input
	③	Bluetooth Receiver	Connect Computer or Smart device by Bluetooth receiver module
	④	PHONO EQ	PHONO Equalization Module
Digital	⑤	AES/EBU	Digital Input
	⑥	USB DDC	Native DSD 256 sound source play function by using computer USB socket
	⑦	I2S	Digital Input
	⑧	DAC (OPTICAL, COXIAL)	High resolution source (Maximum 384KHz/32bit) D/A convertor
	⑨	BNC	Digital Input

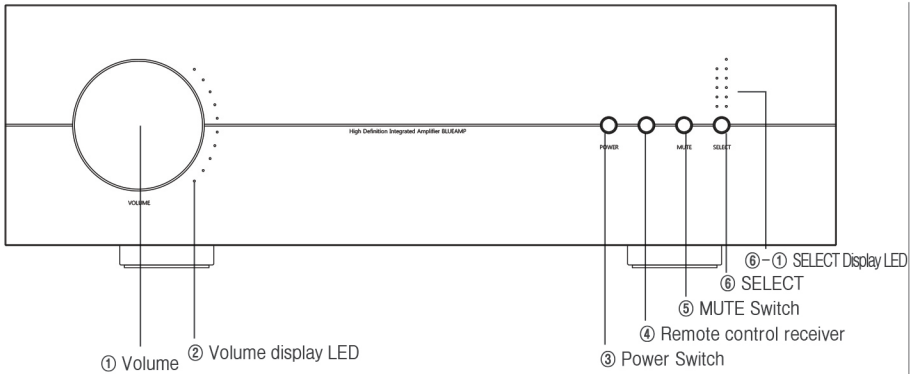
③ Extension module installation and removal

① Power OFF

② This will take approximately 1 minute.

*For extension module installation and removal be sure to turn off the power switch at the rear of the device and wait for more than a minute before proceeding. (Due to the large amount of capacitor fitted to the inside of AMP, a sufficient amount of time must elapse after the device is switched off

Front



① Volume Switch	Table 1
Volume Function	Turn clockwise to turn up the volume Turn counterclockwise to turn down the volume
SELECT(PUSH)	Without extend module, the green LED turns on in order of LINE 1~4
② Volume indicator LED(Power ON)	Default selection green LED ON
③ Power Switch	
Power ON	Hold for longer than 2 seconds
Power OFF	Hold for longer than 2 seconds
④ Remote control receiver	
⑤ MUTE Switch (Mute Function)	
Press once MUTE ON	Red LED will start blinking quickly : Muted
Press once more MUTE OFF	MUTE LED OFF
⑥ SELECT	Without extend module, the green LED turns on in order of LINE 1~4
⑥-① SELECT Display LED	Table 2 With rear extend module, the orange LED turns on in order of OPTION 1~6
	When rear No.6 switch is on LINE : the green LED turns on in order of LINE 1~4
	When rear No.6 switch is on EXTENSION : the orange LED turns on in order of OPTIONLINE 1~6 (However, only the number of extend module is active)

Volume Indicator LED indicate the level of volume, as displayed by the table below.

Volume Indicator LED	Stage	LED color	Volume
	① #1	Green	Mute(-112dB) / -111.5dB ~ -66.0dB
	② #2	Green	-65.0dB ~ -46.0dB
	③ #3	Green	-45.5dB ~ -36.5dB
	④ #4	Green	-36.0dB ~ -28.0dB
	⑤ #5	Green	-27.5dB ~ -20.5dB
	⑥ #6	Green	-20.0dB ~ -14.5dB
	⑦ #7	Green	-14.0dB ~ -9.5dB
	⑧ #8	Green	-9.0dB ~ -5.5dB
	⑨ #9	Green	-5.0dB ~ -2.5dB
	⑩ #10	Red	-2.0dB ~ 0dB

Table 1

Table 2 SELECT LED 표시

	①	②	③	④	⑤	⑥
	(However, Orange LED will be turn on only when the optional board is located)					
	TALK	Adjust volume to allow conversation				
		Red LED will begin blinking slowly				
	MUTE	Mute on/off				
		Red LED will begin blinking quickly				

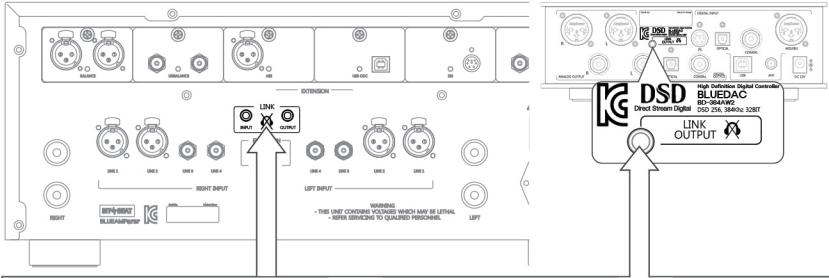
Product Usage

BLUE LINK Instructions

BLUE LINK? The function which can connect BLUE series products(BLUEDAC, BLUEAMP..) of BIT & BEAT

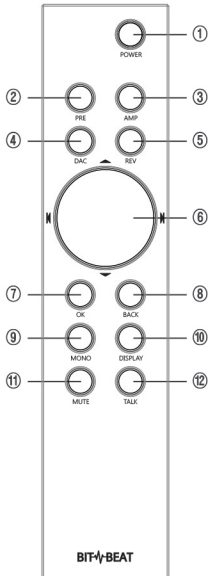
BIT & BEAT BLUEAMP Op.5, No.1

BIT & BEAT BLUEDAC Op.2, No.1



- ※ BLUE LINK output is incompatible with products of different company. Do not plug in earphones for communication between BLUE series products.
- ※ Plugging another products or earphone may cause problems or damage the device.
- ※ Support BLUEDAC 2.0 version or higher.

Remote control function description



① POWER Button

② PRE

③ AMP

④ DAC

⑤ REV

⑥ Volume Button

▲ Turn up the volume by 0.5dB

⏮ Select previous channel

▼ Turn down the volume by 0.5dB

⏭ Select following channel

⑦ OK

⑧ BACK

⑨ MONO

⑩ DISPLAY

⑪ MUTE(Mute Function)

Press once MUTE ON

Red LED will begin blinking quickly : Muted

Press once more MUTE OFF

MUTE LED OFF

⑫ TALK(Talk Function)

Press talk button to adjust volume which allow conversation,

Red LED will

begin blinking slowly. Press talk button again to return to the original volume



Sometimes the device fails to operate due to the user pressing incorrect button on the remote. Please select the device(PRE,AMP,DAC,REV) you are willing to operate.

Product Specifications

ITEM	SPECIFICATION	CONTENTS
Model name		BA-150AIS BLUEAMP Op.5, No.1
Dimension	W × H × D[mm]	442mm × 144mm × 430mm
Weight	kg	17.5kg
Input		LINE 1 (BALANCE) LINE 2 (UNBALANCE) LINE 3 (UNBALANCE) LINE 4 (UNBALANCE) LINE 5 (EXPANSION INPUT, MAX 6EA)
Output		RMS 150W×150W
Input Sensitivity / Output		1V _{rms} / 150W per CH
Frequency Characteristics		10Hz~100KHz +0dB/-0.1dB
THD+N		0.006%
S/N		100dB (A weighted)
GAIN		30dB
Input Impedance		BALANCE 80K Ω UNBALANCE 40K Ω
Output Impedance		4 Ω ~16 Ω
Power		AC220V / 60Hz(FUSE 250V 8A)
Power Consumption		Min 35W, Max 470W
Balanced Input Pin Assignment		PIN1.....Ground PIN2.....Hot(Positive) PIN3.....Cold(Negative)
Remarks		※ If fuse in use is replaced,, be sure to use a fuse to the rated voltage.



- * This device may be exposed to heat when used at high volume for long periods of time.
- * Avoid use in confined spaces or places where ventilation is not free, especially, please keep out of reach of infants and children.

Safety Precautions



These symbols are intended to alert the user for concerns and operations that may cause hazards.



WARNING: Violating instructions may cause serious injury or death.



CAUTION: Violating the marking may cause serious injury or damage



If there is a risk of electric shock



If there is a risk of fire



WARNING



- Use only accessories or components authorized by the seller or manufacturer.

Failure to do so may result in injury, overheating, or fire due to abnormal operation. The seller or the manufacturer can not be held responsible for any damage or malfunction of the product caused by user's arbitrary change or modification.



- This product is a one that generates a basic heat, so a heat may be detected when used for a long time.

- Install the product at a distance from the walls and peripherals to ensure proper ventilation.



- Use this device at normal room temperature.

- Avoid hot places like flames, stoves, and flammable materials.



- Avoid places with high humidity. It may cause electric shock or malfunction.

- In case of thunder or lightning, please unplug the power cord. It may cause damage to the product due to overcurrent.

- Unplug the power plug if foreign objects get into the product or it is damaged by accident such as falling.



CAUTION



- Do not handle this device with wet hands, as it is an electronic device that is supplied with power.



- Be careful not to drop the device or to be shocked when connecting external equipment. It may be damaged.

- Insert the power plug firmly. In case of shaking or unstable condition, it may cause fire or other accidents.



- Be careful that the power cord is not pressed against heavy objects such as furniture or caught by feet, and the damaged power cord should be replaced immediately.



- Do not place containers, lights or candles containing liquids such as vases, flower pot, or cups near the product.

- When cleaning the product, please use a dry towel. There is a risk of product variation.

! If you notice unusual odor or noise when using the product, stop using it and contact your dealer immediately for action.

Troubleshooting

This manual will help you solve the most common problems.

Power is not turned on.

+ Check if the power cord is properly connected.

No sound is heard.

+ Check if the cable is properly connected to the input and output terminals of the product.

+ Make sure the device connected to the input matches the selected number.

Sound quality is poor and distorted.

+ Are all the cables connected correctly? If necessary, turn off the power, disconnect the connector, and then reconnect it. Then turn the power on again.

! This product requires aging time on the nature of the device..

! If you have any questions about using the BLUEAMP device, please contact your dealer.

About the Product – Based on the consumer compensation regulations, a warranty for the product will be provided, as shown below.

Product name		Purchase Date		Serial No.	
Model name		Where to purchase		Sale price	



Consumer damage types		failures and defects in performance, functions that occurs naturally during normal use within retention period of the parts	Compensation details	
			Within the warranty period	After the warranty period
	If the product is in need of major repairs within 10 days after purchased		Product replacement or refund of the purchase price	
	If critical parts are in need of repairs within 1 month after purchased		Product replacement	—
	If the replaced product is in need of major repairs within a month after replaced		Refund of the purchase price	—
	When replacement of parts is not possible			
Repairs Available	If defects in the product are caused		Free repair	Paid repair
	After repairing, the same defects of a product are generated 4th times		Product replacement or refund of purchase price	—
	Failures of the various parts are repaired, but a failure is regenerated (5th times)			
Repair is not possible	When repair is not possible		Product replacement or refund of purchase price	—
	If a repair person lost the product for repair requested by the Consumer			
	Damage caused during transportation and installation process when purchasing products		Product replacement	—

****Refunds: Refund the purchase price (receipts to be submitted)**
 Please contact us for maintenance and repair at following phone number. If you send us brief information about a fault condition in case of a failure, it will be more convenient

The following failures will be treated at cost.

- Failure due to user negligence
- Connection to the power supply other than rated power
- Failure due to user negligence
- Deliberate disassembly and repair by the user
- Breakdown by natural disasters (fire, flood, earthquake, lightning, etc.)
- When supplies are replaced





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