

# BAE BRITISH AUDIO ENGINEERING

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## 1073 INSTRUCTION MANUAL





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## SAFETY INSTRUCTIONS

### WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

### CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



**WARNING**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

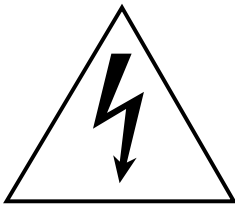
**AVIS**  
RISQUE DE CHOC ELECTRIQUE  
NE PAS OUVRIR



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



### For Service or Repair

**BAE**  
**7421 Laurel Canyon Blvd**  
**Unit 14**  
**North Hollywood CA 91605**  
**(818) 784-2046**  
**baeaudio.com**

1. Read instructions - All the safety and operating instructions should be read before operating the unit. The term "unit" hereforth includes the remote power supply.
2. Retain instructions - The safety and operating instructions should be retained for future reference
3. Head Warnings - All warnings pertaining to the unit and power supply should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Water and Moisture - The unit should not be used near water - for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, and the like.
6. Ventilation - The unit should be situated so that its location or position does not interfere with normal ventilation.
7. Heat - The unit should be situated away from heat sources such as power amplifiers and power conditioning filters.
8. Grounding - Precautions should be taken so that the safety grounding means are not defeated and the protective earth terminal/safety ground should be connected to a mains outlet with a protective earth/safety ground connection.
9. Power Cord Protection - Power supply cords, AC and 5 pin DC, should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs and the point where they exit from the power supply and unit.
10. Nonuse Period - The power cord of the appliance should be unplugged from the AC outlet when left unused for a long period of time.
11. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through the openings such as the ventilation slots.
12. Servicing - The user should not attempt to service or modify the unit unless qualified to do so and under the guidance of BAE service personnel.

# WARRANTY

## **Congratulations on Purchasing Your BAE Unit!**

BAE are manufactures of high end Microphone Pre-Amp/EQ's staying faithful to vintage designs of the 1970's and before. With a penchant for high quality transformers like Carnhill (St Ives) and Jensen, everything is as close to the vintage philosophy as possible. Not only that but we insist doing everything hand-wired and soldered using discreet electronics and not economized on a circuit board.

## **One Year Warranty**

In order to activate your warranty, please submit a copy of your sales receipt including the serial number to one of the following:

**Mail:**  
7421 Laurel Canyon Blvd. Unit 14  
North Hollywood, CA 91607

**Fax:**  
(818) 784-0750

**Email:**  
gear@baeaudio.com

During the warranty period, BAE will at no cost to the customer (minus any shipping) repair the unit to full operating specifications. The warranty does not include units damaged or rendered defective as a result of accident or misuse.

**Disclaimer: All sales are subject to verification. BAE reserves the right to suspend warranty coverage for any product that has been sold under MAP/list Price or purchased from an unauthorized seller.**

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**IN ORDER TO EXTEND YOUR WARRANTY TO 5 YEARS, PLEASE COPY AND RETURN THE FORM BELOW BY MAIL.**

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Date:

Model:

Serial Number:

Dealer:

Price Paid:

Name:

Address:

City:

State:

Postal Code:

Country:

Phone Number:

Email Address:

How did you hear about us?

## SPECIFICATIONS



### Frequency Response

10Hz to -3dB at 55kHz

### 3 Band Equaliser

**HF:** +/-16dB fixed frequency shelving at 12kHz

**LF:** +/-16dB shelving with selectable frequencies of 35Hz, 60Hz, 110Hz & 220Hz

**MF:** +/-18dB peaking, fixed 'Q' with, selectable centre frequencies of 0.36kHz, 0.7kHz, 1.6kHz, 3.2kHz, 4.8kHz & 7.2kHz

### High Pass Filter

50Hz, 80Hz, 160Hz & 300Hz

### Mic Input Impedance

≈1200/300 Ω

### Line Input Impedance

10k Ω

### DI Input Impedance

≈150k Ω

### Output Impedance

65 Ω

### Common Mode Rejection Ratio

100dB min @ 60Hz

### Maximum Output Level

+27.4 dBu @ 600Ω

### Power Requirements

115/230 VAC, 28W

### Gain dB

0 to 80 dB

### Equivalent Input Noise

-110 dBu; Unweighted 300kHz Bandwidth

### Weight (Module/Rackmount)

6 LBS / 2.72 KG

10 / 4.54 KG

### Dimensions in Inches (Module/Rackmount)

1.75W x 8.75L x 7.75D

19W x 1.75L x 9D

# SETUP

## INTRODUCTION

Congratulations on purchasing the BAE 1073. The BAE® 1073 was engineered to fulfill the critical need for a high performance audio pre-amplifier/equaliser and is emblematic of the years of experience BAE has had in professional audio. We recommend that you spend a few minutes reviewing this manual to learn about the operation and functionality of your unit.

## UNPACKING

Prior to unpacking your BAE 1073, carefully inspect the packing material for any damage. Once you have determined that the packing material has not been compromised, carefully unpack the unit and inspect it for obvious damage. BAE takes great care in designing the packaging to withstand most expected impacts during shipping. If any damage is discovered during the inspection process, contact your BAE dealer so the issue can be immediately addressed.

## FEATURES

The BAE 1073 is available as a 10 series module or as a rackmount unit. The BAE 1073 is as authentic as you can get to the original 1073, featuring the same St Ives (Carnhill) transformers as the vintage modules, Elma switches and Canford wire.

The BAE 1073 looks identical to the original vintage module and will happily retrofit in vintage Neve 80 Series consoles because the entire product is engineered in exactly the same way as the originals: The same chassis construction, connectors, printed circuit board layouts, hand-wired looms, and circuitry.

## 24V PSU

The rackmount version comes with a power supply which is convertible to 230, 240, 100 and 220VAC. The remote power supply includes a four-foot cable capable of four times the current needed by the preamp for optimum sound quality.



## BASIC OPERATION

### OUTPUT KNOB

The output knob (grey) should be fully clockwise to achieve the highest headroom and cleanest signal path.

### ATTENUATE KNOB

Use the Attenuate knob to get in between the 5db steps of the gain knob.

### GAIN KNOB

Adjust the Red Gain knob in 5 db increments. The left side is for line and the right side is for mic.

### THREE BAND EQUALISER

*High Frequency Smooth* +/-16dB fixed frequency shelving at 12kHz.

*Mid Frequency Smooth* +/-18dB peaking, fixed 'Q' with, selectable centre frequencies of 0.36kHz, 0.7kHz, 1.6kHz, 3.2kHz, 4.8kHz & 7.2kHz.

*Low Frequency Smooth* +/-16dB shelving with selectable frequencies of 35Hz, 60Hz, 110Hz & 220Hz.

### HIGH PASS FILTER

High pass filter 18dB per octave slope, switchable between 50Hz, 80Hz, 160Hz & 300Hz.

### EQ BUTTON

The EQ button switches the equaliser in or out of circuit.

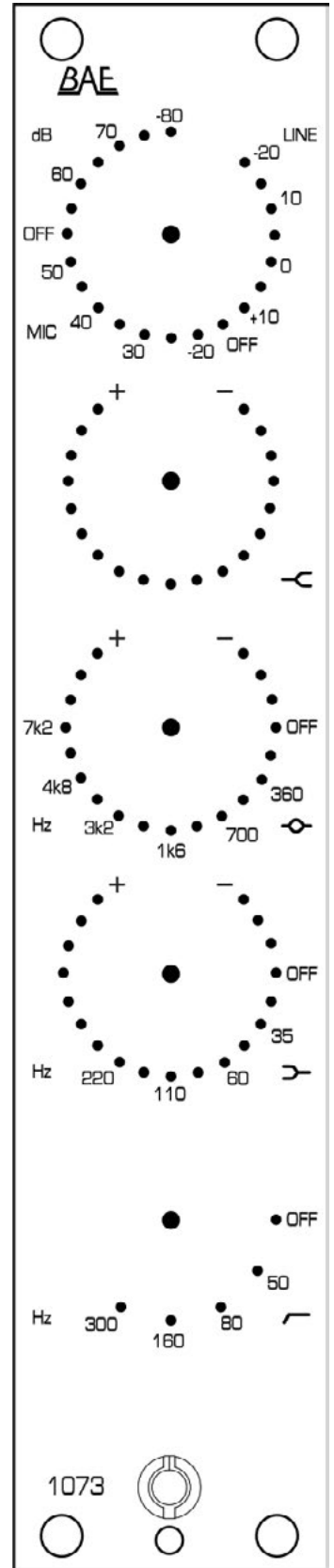
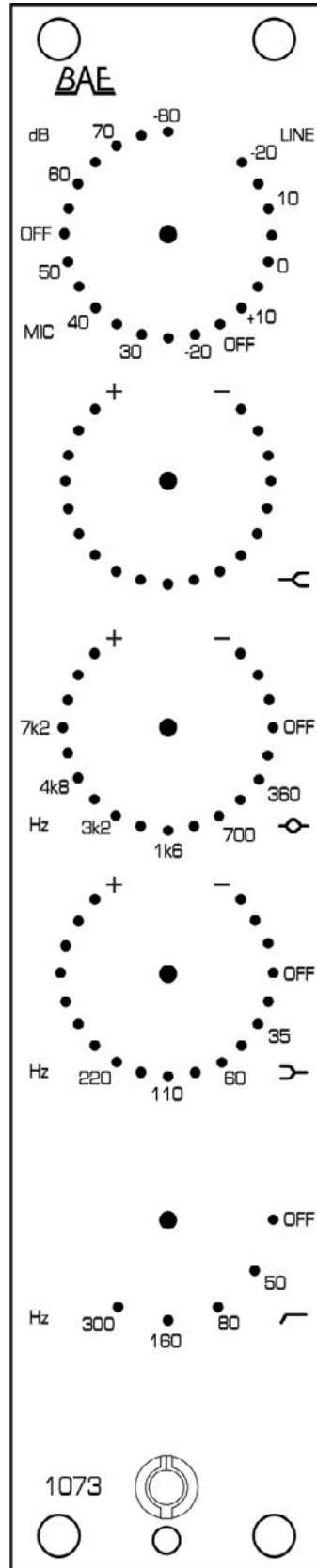
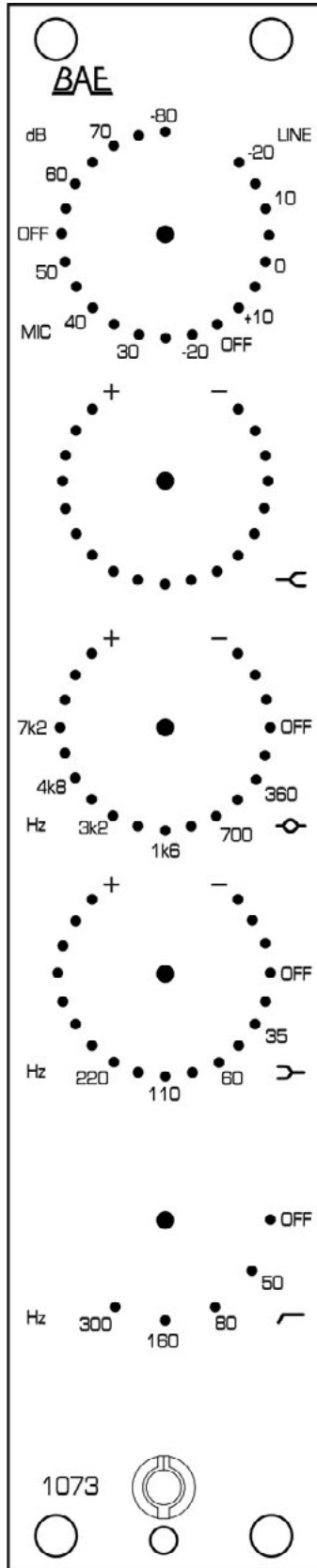
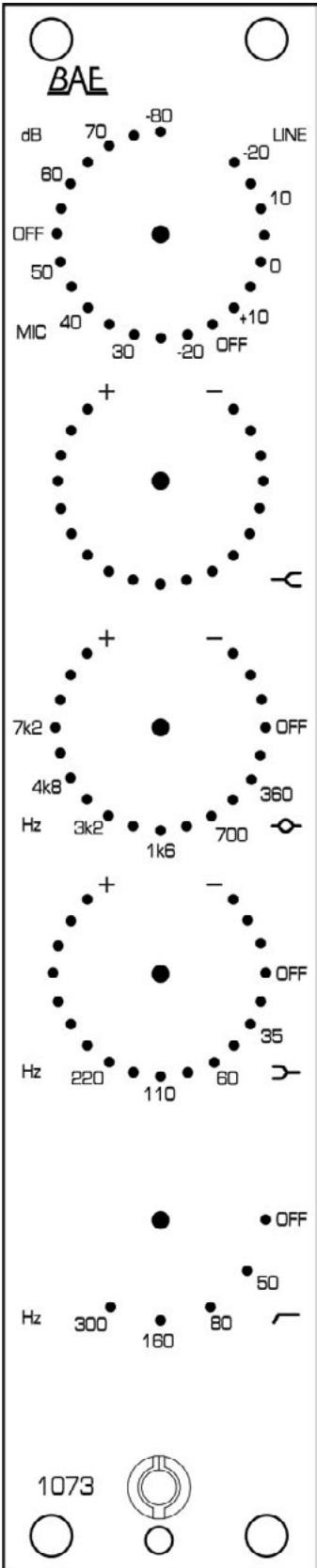
### PHASE BUTTON

The phase button gives 180° phase change at balanced output.

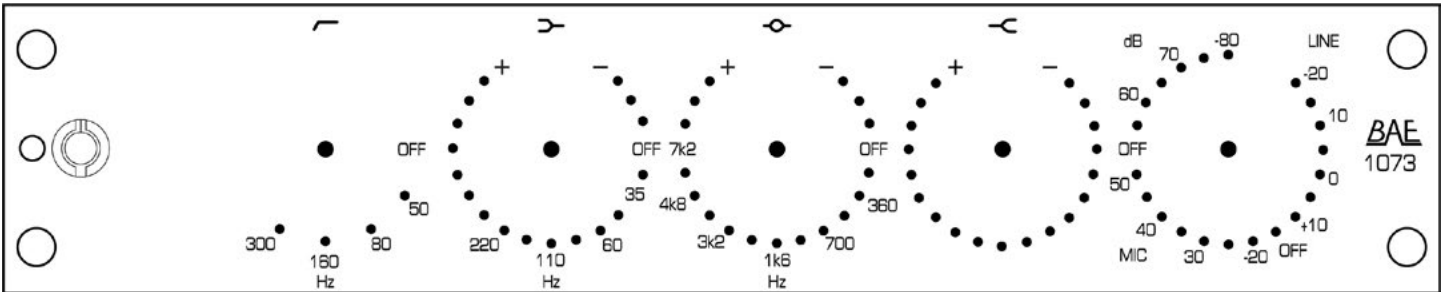
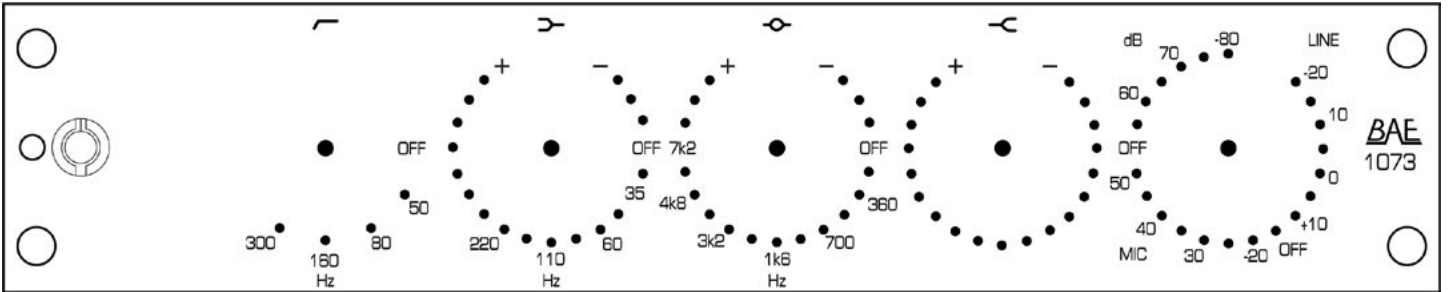
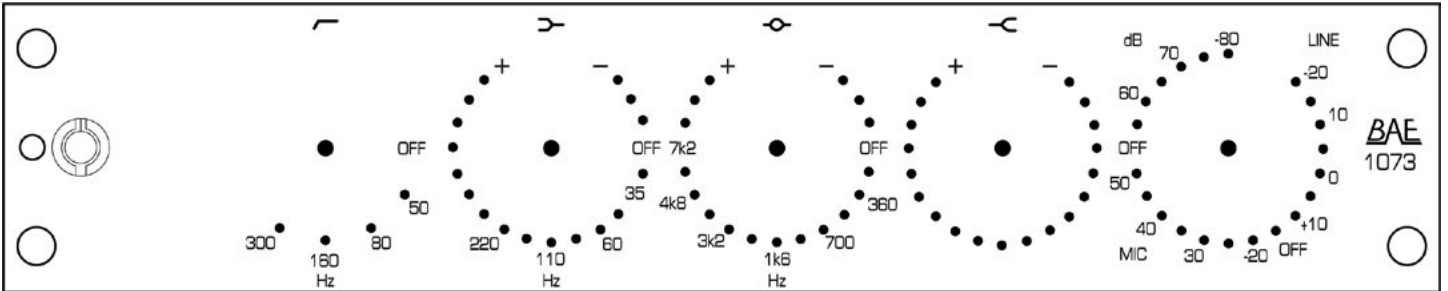
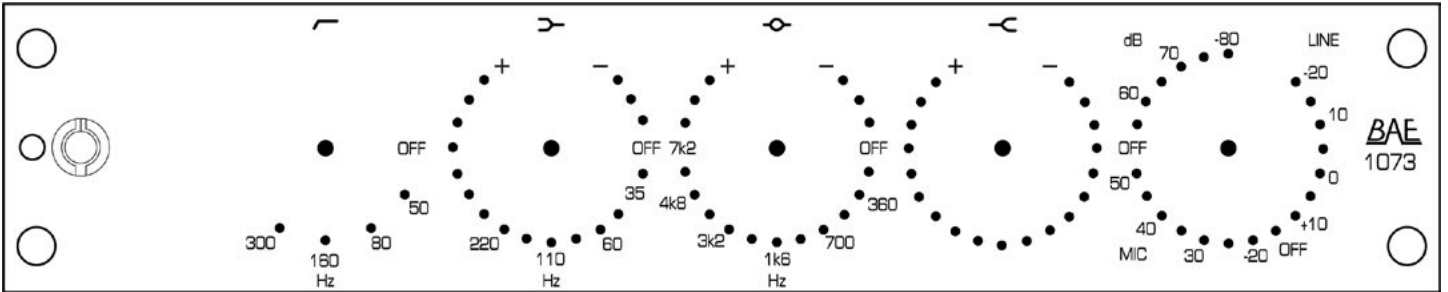
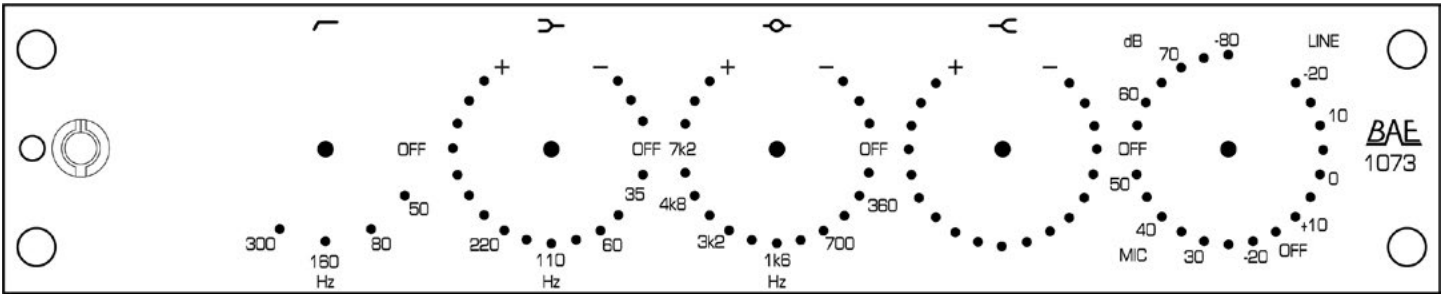




# RECALL SHEETS



# RECALL SHEETS



# NOTES

