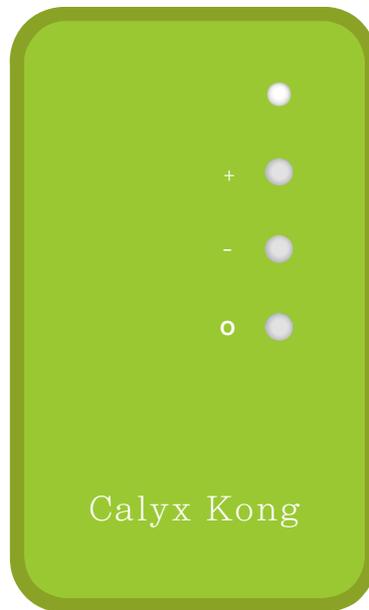


# User's Manual



Calyx Kong

Headphone Amplifier  
for Music lovers like you

[www.calyxamp.com](http://www.calyxamp.com)

※ This manual may have some differences depending on the version of the product.

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# 1. Introduction

Music is the most important messenger of human emotion as well as a meaning of its expression since human beings appeared on this earth. Music created by amazing inspiration of many gifted composers makes people moved and our normal lives enriched.

The absolute sound and real music performed in real space like concert halls are the most important experience that makes people get to the musical essence. Besides, audio products re-producing music are a way of modern civilization making our lives better.

Since 1999, the year of establishment, **Digital & Analog Co., Ltd.** (as known as **D&A**) has been providing class-D I.C.s to various audio OEM companies. And **D&A** started to make its own high-end audio products since 2008 and as a result, we succeeded to build audio products with excellent measured performance which any other amplifiers were not able to reach so far. **Calyx** is the by-product of such an effort based on **D&A**'s many experiences like designing, manufacturing and selling of class-D ICs and supporting its customers to make their audio products using **D&A**'s I.C.s. **Calyx** has been tested subjectively as well as objectively under a lot of test circumstances.

A great Chinese poet 'Bai Ju Yi' of the Tang Dynasty expressed sound as followings in on of his book; "A poem has passion as its root, words as its buds, sound as its flower and meanings as its fruits" So we named our products as **Calyx**, in the meaning of corolla of music described as flower by the renowned poet.

**Calyx** will enrich your life as a strong support of musical flower. This coincides exactly with our slogan;

**"Technology making the world affluent."**

**Calyx** is high-end products, which you can be proud of possessing it.

**Digital & Analog Co., Ltd.** has developed class-D amplification technology with many patents on the technology.

From now on, we provide high-end audio products to music lovers like you

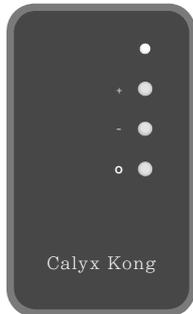
Thanks and enjoy the music.

Seungmok Yi

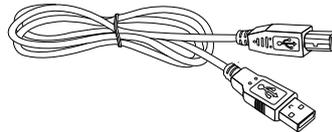
CEO/President

## 2. Unpacking

You will find in Calyx 500 Box :



<Calyx Amp>



<A-B Type USB Cable>



<Warranty>

If, when you open the Calyx 500 Box, the item is damaged or missed, please contact your dealer.

## 3. Cautions

Please take a moment to read these notes before installing your Calyx Amp, as they will enable you to get the best performance and prolong the life of the unit.

As our engineers are striving for the constant research and development to develop the quality of products, shape or structure of our model can be changed without previous notice.

※ We advise you follow all instructions, heed all warnings and keep the instructions for future reference.

<p>Never touch the unit with wet hands.</p> <ul style="list-style-type: none"> <li>▶ This can result electric shock..</li> </ul> <p>Do not put any objects on top of the unit.</p> <ul style="list-style-type: none"> <li>▶ If the objects fall, it may cause harm to the user.</li> </ul> <p>Do not expose the unit to direct sun radiation or other heat sources.</p> <ul style="list-style-type: none"> <li>▶ This could lead to overheating and malfunction of the unit.</li> </ul> <p>Do not expose the unit to rain or moisture.</p> <ul style="list-style-type: none"> <li>▶ This can result electric shock..</li> </ul>	<p>To clean the unit, please follow next instructions.</p> <ul style="list-style-type: none"> <li>▶ Wipe its case with a dry, lint-free cloth. Do not use any cleaning fluids containing alcohol, ammonia or abrasives. Do not spray an aerosol at or near the amplifier.</li> </ul> <p>Do not listen to loud music for a long time.</p> <ul style="list-style-type: none"> <li>▶ This may cause harm to user's hearing ability</li> </ul> <p>Never attempt to repair, disassemble or reconstruct the unit.</p> <ul style="list-style-type: none"> <li>▶ This could damage the unit.</li> </ul>
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※ If the product needs to repair, please contact the calyx service center.

## 4. Installation



### 1. USB Terminal

Connect the USB cable from the PC to USB terminal at the front plate of the amplifier.

### 2. Headphone Terminal

Connect the headphone (or the active speaker) to headphone terminal at the rear plate of the amplifier.

### 3. LED

If the amp is installed normally, the led will lights up on the top plate of the Calyx Kong.

### 4. Button

'+' button : volume up

'-' button : volume down

'o' button : mute / un-mute

※ Calyx Kong supports plug and play.

Operating System : Microsoft Windows 98SE (The button does not work this version) / Microsoft Windows Me (The button does not work this version) / Microsoft Windows XP / Microsoft Windows Vista / Apple Computer MAC OS 9.1 or later version / Apple Computer MAC OS x10.0 or later English version / Apple Computer MAC OS x10.1 or later Japanese version (For the Mac OS X 10.0 Japanese edition, plug and play does not work appropriately for USB audio devices.)

## 5. Trouble-Shooting

Problem	Check
There is no light	<ul style="list-style-type: none"> <li>▶ Check that the USB cable is properly connected.</li> <li>▶ If the driver is corrupted, uninstall the driver from the device manager, and then reconnect the USB cable.</li> <li>▶ If the driver is corrupted, scan your PC to check the virus.</li> </ul>
There is no sound	<ul style="list-style-type: none"> <li>▶ Check that the volume level is set to minimum.</li> <li>▶ Check that your PC is not in mute mode.</li> <li>▶ Check that the USB cable is properly connected.</li> <li>▶ Check that your headphone (or active speaker) is properly connected.</li> <li>▶ Check that your headphone (or active speaker) operates normally.</li> </ul>

※ For more frequently asked questions (FAQ's), technical advice and information on getting the most out of your Calyx Kong, please visit the Support section on Calyx Amp's website: [www.calyxamp.com](http://www.calyxamp.com)

## 6. Specifications

### ◎ Function

- USB - DAC
- Volume Control
- Preamp for Active Speakers

### ◎ Specifications

- THD+N < 0.01%, 1kHz, >10kΩ
- THD+N < 0.02%, 1kHz, 32Ω
- SNR -98dB @ 1kHz, 32Ω
- Channel Separation -70dB @ 1kHz, 32Ω
- Dynamic Range 98dB, 32Ω
- Bandwidth limit = 140kHz @ -3dB, 32Ω
- Volume Control = 0 ~ -64dB

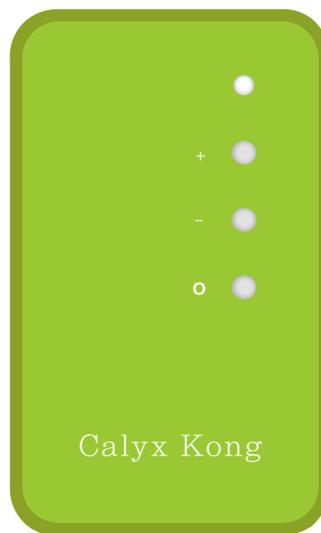
### ◎ Dimension

- Net Dimension : 52mm X 86mm X 22mm (Width X Depth X Height)
- Net Weight : 167g

## 7. Warranty

Product	Headphone Amplifier	Model	Calyx Kong
Purchase Date	/ /	Warranty Period	1 year
Purchased From			
User's Name			
Street Address			
City		State	
Zip Code		E-mail	
Telephone		Mobile	
Serial Number			
<p>Concerning products which have gone out of production, we will continue to supply the spare parts required for repairs during a period of 3 years after production stop, counting from the month and year when the production stop occurs.</p>			
<p>Read through the warranty conditions carefully.</p> <p>To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the Digital &amp; Analog authorized service facility specified.</p> <ol style="list-style-type: none"> <li>For a period of one year from the original date of purchase of the product, Digital &amp; Analog will repair or replace with new or refurbished product or parts, any product or parts determined to be defective without charge.</li> <li>In the following cases, the purchaser must pay the service charge to repair the product. <ol style="list-style-type: none"> <li>After the warranty period has expired</li> <li>Although the warranty period has not expired, the purchaser must pay the service charge in the following cases. <ul style="list-style-type: none"> <li>This warranty does not cover damage which occurs from unauthorized repair, alteration of any kind.</li> <li>This Warranty does not cover damage due to improper maintenance or improper installation</li> <li>This Warranty does not cover the product that was not purchased from authorized dealer.</li> <li>The factory-applied serial number has been altered or removed from this product</li> </ul> </li> </ol> </li> <li>If you want the service, please enclose warranty certificate and dated purchase receipt.</li> <li>We don't republish the warranty. Keep your warranty carefully.</li> <li>This Limited Warranty is valid only in the United States.</li> </ol> <p>Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.</p>			

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