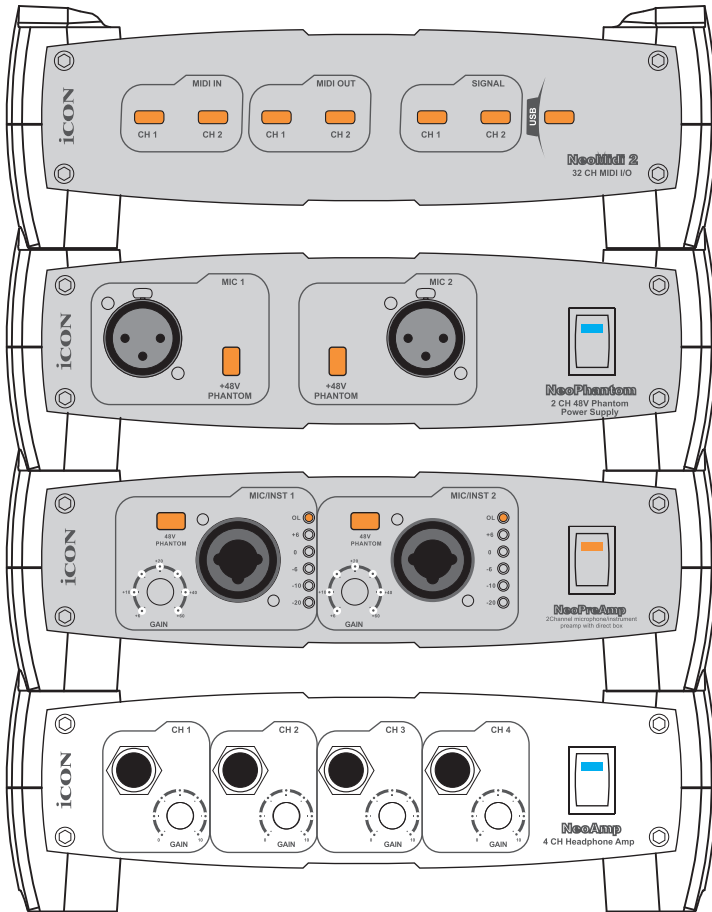






NeoAmp

4 CHANNEL STEREO HEADPHONE AMP



Owner's Manual

	<div style="background-color: black; color: white; padding: 2px;">CAUTION</div> <p>RISK OF ELECTRIC SHOCK DO NOT OPEN RISQUE DE CHOC ELECTRIQUE NE PAS OUVRI</p> <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED PERSONNEL</p> <p>ATTENTION: POUR EVITER LES RISQUES DE CHOC ELECTRIQUE: NE PAS ENLEVER LE COUVERCLE. AUCUN ENTRETIEN DE PIECES INTERIEURES PAR L'USAGER. CONFIER L'ENTRETIEN AU PERSONNEL QUALIFIE.</p> <p>AVIS: POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTICLE A LA PLUIE OU A L'HYMIDITE</p>			<p>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 electric shock to persons. Le symbol clair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence d'un voltage dangereux non isolé d'ampleur suffisante.</p>
				<p>exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour alerter les utilisateurs de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.</p>

Important Safety Instructions

1. Read all manufacturer's warnings and instructions
2. Do not use this apparatus near water.
3. Clean only with dry cloth.
4. Do not block any ventilation openings and do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
5. Do not defeat the safety function of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
6. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
7. Only use attachments/accessories specified by the manufacturer.
8. Unplug this apparatus during lightning storms or when unused for long periods of time.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING: To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture

Contents

Introduction	
What's in the package.....	1
Register your ICON ProAudio product to your personal account	2
NeoAmp Features	3
Front Panel Layout.....	4
Rear Panel Layout	5
Operating the NeoAmp	6-7
NeoAmp Connections	8
Stacking the NeoAMP	9
Specifications	10
Services	11

Introduction

Thank you for purchasing the ICON NeoAmp 4 Channel Stereo Headphone Amp. We sincerely trust this product will provide years of satisfactory service, but if anything is not to your complete satisfaction, we will endeavor to make things right.

In these pages, you'll find a detailed description of the features of the NeoAmp, step-by-step instructions for its setup and use, and full specifications.

Please register the product on our website at the below link www.iconproaudio.com/registration:

You'll also find a warranty card enclosed---please don't forget to fill it out and mail it so that you can receive online technical support at: www.iconproaudio.com. And so we can send you updated information about these and other ICON products in the future. As with most electronic devices, we strongly recommend you retain the original packaging. In the unlikely event the product must be returned for servicing, the original packaging (or reasonable equivalent) is required.

With proper care , your NeoAmp will operate without any trouble for many years. We recommend that you record your serial number in the space provided below for future reference.

NeoAmp

What's in the package?

- NeoAmp 4 Channel Stereo Headphone Amp
- Users' Manual
- 18VAC Power Supply

Register your ICON ProAudio product to your personal account

1. Check serial number of your device

Please go to [http:// iconproaudio.com/registration](http://iconproaudio.com/registration) or scan the QR code below.



Input your device's serial number and the other information on the screen. Click "Submit".

A message will pop up showing your device information such as model name and its serial number - Click "Register this device to my account" or if you see any other message, please contact our after-sales service team

2. Log in to your personal account page for existing user or sign up for new user

Existing user: Please log into your personal user page by inputting your user name and password.

New user: Please click "Sign Up" and fill in all the information.

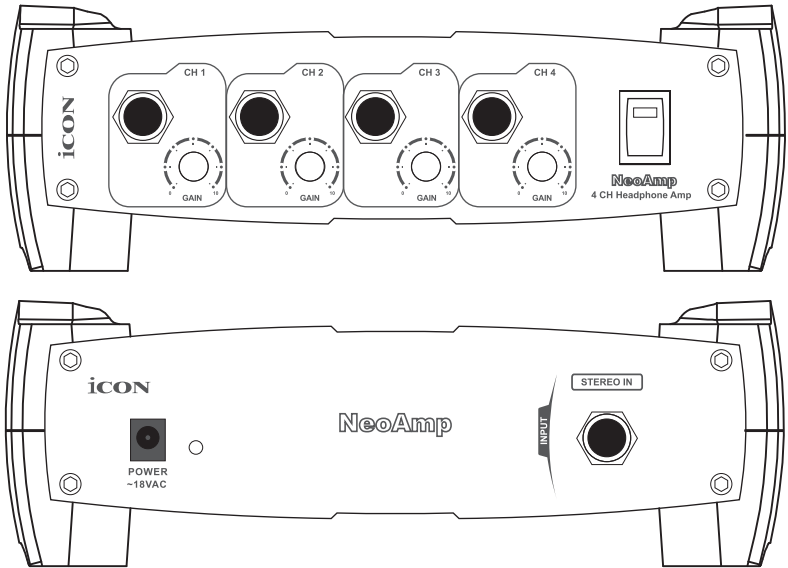
3. Download all useful materials

All your registered devices under your account will show on the page. Each product will be listed along with all its available files such as drivers, firmware, user manual in different languages and bundled software etc. for download.

Please make sure you have download the necessary files such as driver before you begin device installation.

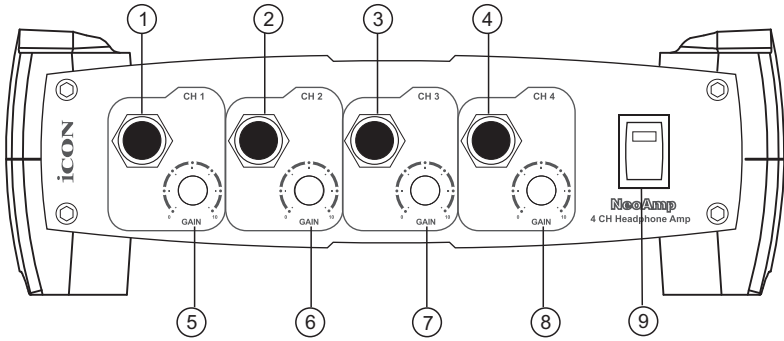
Features

NeoAmp



- Four channel stereo headphone amplifier
- Maximum output power on each channel regardless of different headphone impedances
- Four 1/4-inch stereo headphone outputs
- Individual volume control for each headphone output
- Stereo 1/4 inch input connector
- Rugged aluminum extrusion chassis
- Large rubber bumper feet
- 18 Volt AC adapter included
- Three year extended warranty

Front Panel Layout

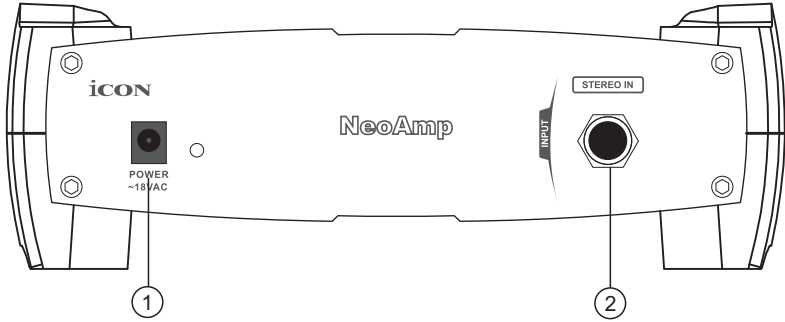


NeoAmp

- ① **HEADPHONE 1**
1/4" output for connecting headphone 1.
- ② **HEADPHONE 2**
1/4" output for connecting headphone 2.
- ③ **HEADPHONE 3**
1/4" output for connecting headphone 3.
- ④ **HEADPHONE 4**
1/4" output for connecting headphone 4.
- ⑤ **LEVEL 1**
Control knob used to adjust the output level of Headphone 1.
- ⑥ **LEVEL 2**
Control knob used to adjust the output level of Headphone 2.
- ⑦ **LEVEL 3**
Control knob used to adjust the output level of Headphone 3.
- ⑧ **LEVEL 4**
Control knob used to adjust the output level of Headphone 4.
- ⑨ **POWER SWITCH**
When power Switch is on, the red LED will lit.

Rear Panel Layout

NeoAmp



- ① **AC POWER ADAPTER INPUT**
Connect the supplied power adapter here.
- ② **STEREO INPUT**
1/4" TRS (TIP/RING/SLEEVE) connector to input main stereo signal.

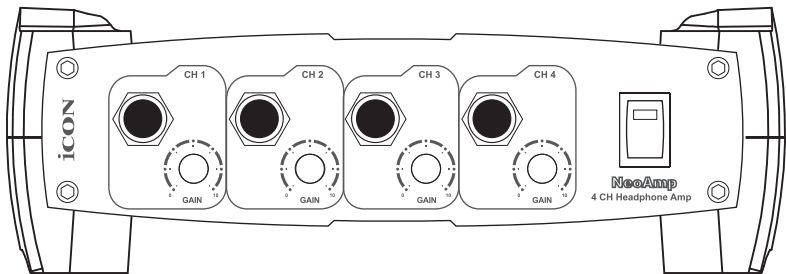
Operating the NeoAmp

The basic procedure for setting up and using your NeoAmp is simple and takes only a few minutes. Remove all packing materials (save them in case of need for future service) and check to make sure that you have the supplied AC power adapter.

IMPORTANT NOTE: Before you connect your headphones, be sure to double check all level controls are turned all the way down (fully counter clockwise position). The NeoAmp is small, but powerful. It can generate loud signal levels into the connected headphones. We recommend that you exercise extreme caution and care for your ears. They're your most important tool, and instrument. Always start with the level controls all the way off and slowly raise the signal to a comfortable listening level.

Connect the output from the device you want monitored to the STEREO INPUT jacks on the NeoAmp Rear panel.

Set the controls to the following positions:



Turn the four headphone channel LEVEL knobs to their minimum (fully counterclockwise) setting.

Plug the NeoAmp power adapter into a wall outlet.

Apply a signal, like the output of a mixer playing a CD, to the NeoAmp's STEREO INPUT jack.

Connect a set of headphones to Channel 1 and slowly turn the channel's LEVEL knob clockwise until you hear the desired level.

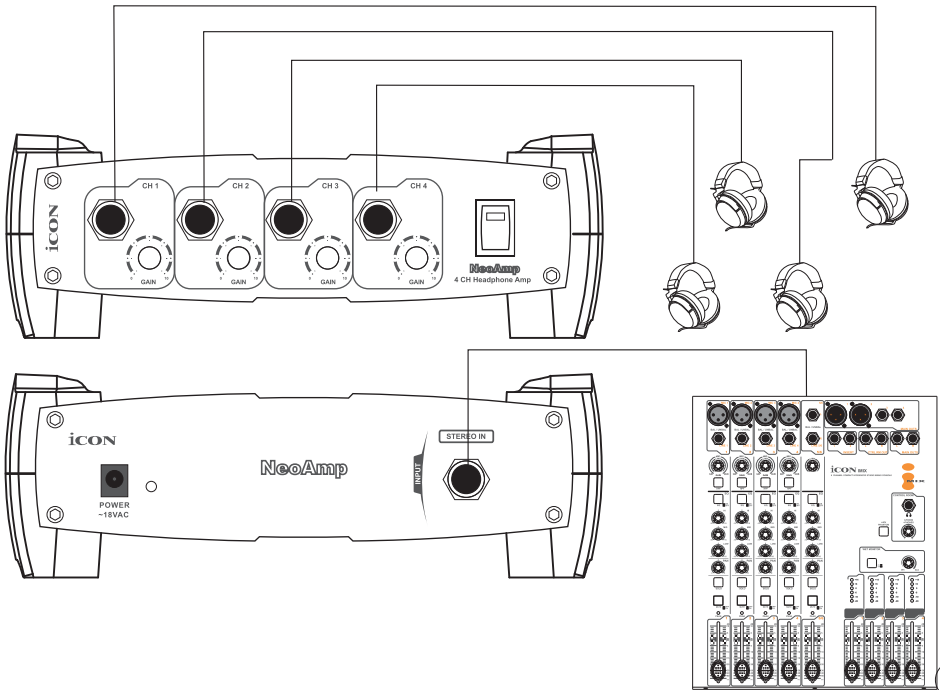
Operating the NeoAmp

Repeat the previous step for all Channels that have headphones connected, making sure to start the LEVEL knob completely counterclockwise and then slowly raising it until the desired level is achieved. If you have connected different models of headphones to the various Channel Headphone jacks, you may find that some require more gain than others to achieve the same volume. This kind of disparity will occur if the various headphones have different impedances. The lower the impedance, the louder the headphone will sound compared to another higher impedance headphone at the same VOLUME setting. Another factor affecting headphone loudness is called sensitivity. This is generally measured by determining the decibel (dB) level generated by 1 mW of power input. The higher the dB rating, the louder the headphone. See the Reference chart on page 7 of this manual for more details.

Typical Set-up

The diagram below shows a typical set-up for a small band using the NeoAmp headphone amplifier with a stereo mixers for a sophisticated personal headphone monitoring system.

Typical hook-up for four headphones with independent level control



NeoAmp Connections

HEADPHONE IMPEDANCE AND SENSITIVITY RATINGS

Virtually all headphones that terminate in a stereo 1/4" plug can be used with the NeoAmp Headphone Amplifier. This chart provides a partial listing of some of the more popular models, along with their impedance and sensitivity ratings. As described on page 6 of this manual, headphones with lower impedances (or higher sensitivity) will sound louder as compared to other higher impedance (or lower sensitivity) headphones at the same channel volume setting. ICON has no connection with any of these manufacturers, nor do we endorse any particular models for use with the NeoAmp. This is simply a reference listing for your convenience. For more information about any of these headphones, contact the manufacturer directly.

ICON HEADPHONES

Model	Impedance	Sensitivity / mW
HP240	60 ohm	98 dB
HP280	140 ohm	98 dB
HP430	200 ohm	99 dB

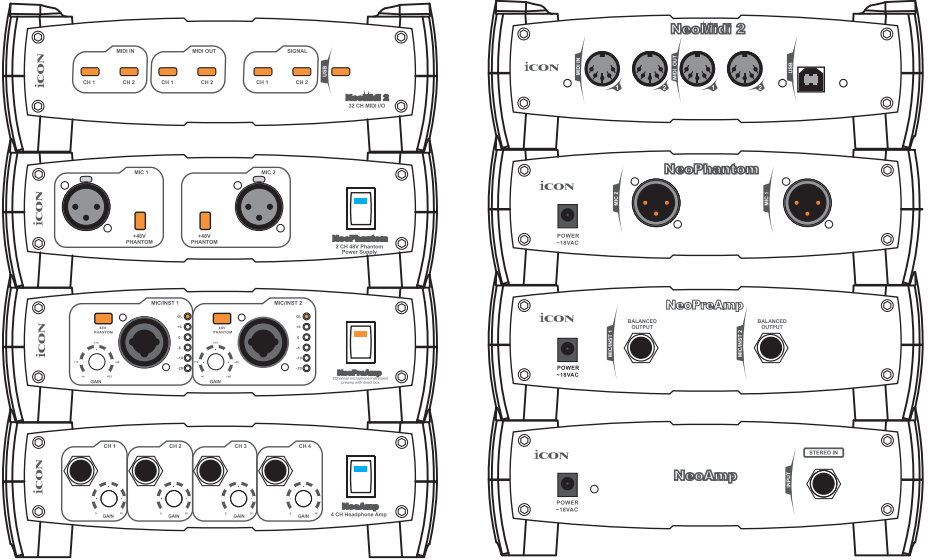
OTHER MANUFACTURER'S HEADPHONES

Manufacturer	Model	Impedance	Sensitivity /mW
AKG	K-141	600 ohm	98 dB
AKG	K-240	600 ohm	88 dB
Beyer	DT-150	250 ohm	114 dB
Beyer	DT-801	250 ohm	114 dB
Fostex	T-10	50 ohm	91 dB
Fostex	T-20	50 ohm	96 dB
Fostex	T-40	50 ohm	98 dB
Sennheiser	HD-450 (original)	70 ohm	94 dB
Sennheiser	HD-450 series II	60 ohm	94 dB
Sony	MDR-7502	45 ohm	100 dB
Sony	MDR-7504	45 ohm	103 dB
Sony	MDR-7506	63 ohm	106 dB

Stacking NeoAmp

Stacking the NeoAmp

You can stack one NeoAmp or any other ICON Neo Series gears on top of each other by simply lining up the bumpers.



Specifications

Input Impedance:	100K ohm unbalanced
Max Input Level:	+19 dBV
Input Connectors:	Stereo 1/4" TRS Phonejack
Outputs:	4 Stereo 1/4" TRS Phonejack
Output Impedance:	100 ohm each output
Max Gain:	20 dB/Channel
S/N Ratio:	> 90 dB
THD:	< 0.05%
IMD (SMPTE):	< 0.05%
Power:	18VAC adapter
Dimensions:	7.87"L x 4.88"W x 2" H (200Lx124Wx51H mm)
Weight:	1.12Kg

Services

If your NeoAmp needs servicing, follow these instructions.

NeoAmp

Check our online Help Center at <http://support.iconproaudio.com/hc/en-us>, for information, knowledge, and downloads such as:

1. FAQ
2. Download
3. Learn More
4. Forum

Very often you will find solutions on these pages. If you don't find a solution, create a support ticket at our online Help Center at the link below, and our technical support team will assist you as soon as we can.

Navigate to <http://support.iconproaudio.com/hc/en-us> and then sign in to submit a ticket.

As soon as you have submitted an inquiry ticket, our support team will assist you to resolve the problem with your ICON ProAudio device as soon as possible.

To send defective products for service:

1. Ensure the problem is not related to operation error or external system devices.
2. Keep this owner's manual. We don't need it to repair the unit.
3. Pack the unit in its original packaging including end card and box. This is very important. If you have lost the packaging, please make sure you have packed the unit properly. ICON is not responsible for any damage that occurs due to non-factory packing.
4. Ship to the ICON tech support center or the local return authorization. See our service centers and distributor service points at the link below:

If you are located in US

Send the product to:

North America

Mixware, LLC –U.S. Distributor

11070 Fleetwood Street –Unit F.

Sun Valley, CA 91352; USA

Tel.: (818) 578 4030

Contact: www.mixware.net/help

If you are located in Europe

Send the product to:

Sound Service GmbH European
Headquarter Moriz-Seeler-Straße

3D-12489 Berlin

Telephone: +49 (0)30 707 130-0

Fax: +49 (0)30 707 130-189

E-Mail: info@sound-service.eu

If you are located in Hong Kong

Send the product to:

ASIA OFFICE:

Unit F, 15/F., Fu Cheung Centre,

No. 5-7 Wong Chuk Yueng

Street, Fotan, Sha Tin, N.T., Hong Kong.

5. For additional update information please visit our website at:

www.iconproaudio.com.



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