



SPACEMON SM1




Headphone amplification with depth, detail and precision, coupled with a fresh, inter-galactic design – plug into the SpaceMon for a sonic journey you'll never forget!

Producers, mixers, engineers, musicians and music lovers alike will greatly appreciate the detail, depth and expansive sound of the SpaceMon headphone amplifier– bringing sources to life with unsurpassed precision and clarity via any set of headphones available. Whether you're making forensic changes to a mix, using it as a reference tool for mic choices/placement, or simply listening to music with a fidelity that you've never experienced before, the SpaceMon delivers every time. With high grade connectors suitable for a variety of sources and its space age robust and compact construction, the SpaceMon is the ideal choice for those who really care about sound, but also want portability and/or a small footprint on their desk.



User manual



<div style="text-align: center;">  <div style="background-color: black; color: white; padding: 5px; margin: 5px 0;">CAUTION</div> <p>RISK OF ELECTRIC SHOCK DO NOT OPEN RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR</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. AVIS: POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTICLE A LA PLUIE OU A L'HUMIDITE</p> </div>	<div style="display: flex; flex-direction: column; align-items: center;">   </div> <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 avertir l'utilisateur de la présence à l'intérieur du coffret de 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 avertir les utilisateurs de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.</p>
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Important Safety Instructions

1. Read this manual thoroughly before using this unit.
2. Keep this manual for future reference.
3. Take notice of and comply with all warnings included in the user's manual or indicated on the appliance.
4. Follow all instructions included in this manual.
5. Do not expose this unit to rain or moisture. Avoid having water or other liquids spilled on this unit.
6. When cleaning the cabinet or other parts of this appliance, use only a dry or slightly damp soft cloth.
7. Do not block any ventilation openings or interfere with the proper ventilation of this unit. Install in accordance with the manufacturer's instructions.
8. Do not use or store near any heat sources such as radiators, heat registers, stoves, or other heat-producing appliances.
9. Do not interfere with the safety purpose 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. These are designated for your safety. If the provided plug does not fit into your outlet, consult an electrician.
10. Protect the power cord from being walked on or otherwise damaged by items placed on or against them. Particular attention should be given to the plugs, receptacles, and the point where the cord exits the appliance.
11. To avoid the risk of electrical shock, do not touch any exposed wiring while the unit is in operation.
12. Only use attachments/accessories specified by the manufacturer.
13. Unplug this unit and all connected electrical equipment during lightning storms or when left unused for a long period of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the appliance has been damaged in any way or fails to operate normally.

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

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Introduction

Firstly, congratulations on your purchase of the ICON Pro Audio SpaceMon headphone amplifier! In these pages, you'll find a detailed description of the features of the SpaceMon, as well as instructions for its setup and use in addition to a full list of specifications.

Please register the product on our website at the link below

www.iconproaudio.com/registration

As with most electronic devices, we strongly recommend you retain the original packaging. In the unlikely event that the product is returned for servicing, the original packaging (or reasonable equivalent) is required. With proper care and adequate air circulation, your SpaceMon will operate flawlessly for many years to come.

We trust that this product will provide years of excellent service and in the unlikely event that your product does not perform to the highest standard, every effort will be made to address the issue.

What's in the package?

- SpaceMon Headphone amplifier
- 24V Power adapter



Register your ICON Pro Audio product to your personal account

1. Check the 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". If you see any other message, please contact our after-sales service team

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

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 manuals in different languages and bundled software etc. for download.

Features

If you take audio seriously, whether you are an 'audiophile' who appreciates depth and detail in recordings and broadcasts, or whether you are a producer, mixer, engineer or musician who demands the very best in audio quality, the SpaceMon is likely to find a space on your desk or in your backpack.

Durable, portable and professional are bywords for the SpaceMon. In permanent residence in your studio or 'on the go' at various locations, the SpaceMon offers superior fidelity and versatility.

Designed to make the very best of any headphone set, the SpaceMon takes its inspiration from a well known mixing desk headphone amplifier and its subsequent incarnation as a single unit. The SpaceMon combines the original's exceptional audio quality with clear, neutral tones, enhanced with a touch of warmth resulting in a fatigue free listening experience.

Its modern, space age design incorporates a highly robust, metal chassis complete with a high grade, electroplated finish.

The SpaceMon is a dedicated 24 Volt reference-quality headphone amplifier with +4 dB left and right, ¼ inch/XLR combo jacks for balanced signals, left and right unbalanced RCA inputs, and a 3.5mm stereo input at the rear of the amplifier.

This provides plenty of I/O options - from connecting audio interfaces and mixing consoles to CD players, phones and cameras.

The clarity and precise sound of the SpaceMon can be extremely useful in identifying elements of a mix and enabling the user to make fully informed decisions and forensic changes to the sound. Equally, it can be used as a reference tool in mic choices/placement tasks, such is the sonic detail inherent in the SpaceMon device. Additionally, it is extremely useful for recording musicians - the more detail and depth you can hear, the better and more nuanced the performance!

The three buttons at the front of the device make it easy to choose between the various sources, with the selected button illuminating clearly.

The SpaceMon is an accurate and impactful premium headphone amplifier with extremely high quality components and pristine sound quality. As suitable for the sound professional as it is for the music lover who demands the best possible sound when listening to their favourite bands and artists, the SpaceMon is set to become your first and last headphone amplifier. Once you've heard it, you won't want another!

Features Pt.2

- 24V reference quality headphone amplifier
- Expansive, extremely detailed sound quality enables you to maximize your headphone experience
- Dedicated Power adapter
- Extremely versatile connectivity (connect to audio interfaces, mixing consoles, CD players, phones etc.)
- High grade balanced left and right XLR/1/4 inch (6.35mm) TRS combo inputs - (+4dBu)
- High grade unbalanced left and right lotus RCA inputs (-10dBV)
- Stereo 1/8 inch (3.5mm) connector calibrated for phones, cameras etc.
- 1/4 inch (6.35mm) high grade TRS headphone jack connector
- Three buttons to choose between sources (illuminated when chosen)
- Precision potentiometer facilitates exacting level control
- High dynamic range (117dBA)
- Output impedance close to zero, (.01 Ohm at 1kHz) providing excellent signal conversion quality for headphones.
- Capable of driving any headphone set available, supporting impedance levels up to 600 ohms
- Rugged construction with all metal body
- Extremely high grade, electroplated finish

Please take care when using the SpaceMon. Its powerful amplification and generous headroom means that the volume can be turned up **very** loud.

Always be aware of ear safety and take regular 'ear breaks'.

The World Health Organization (WHO) suggests you should listen to your headphones at a maximum volume level of 85 decibels (dB) for a maximum 8 hours. Scientists recommend a listening range of between 60- 80 dB.

If you listen at or above these levels, it should be for a short time (10 minutes), otherwise you risk permanent damage to your hearing.

Connecting Your SpaceMon

Plug in your sources to the SpaceMon.

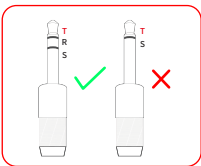
Source A

Left + Right Neutrik XLR/1/4 inch (6.35mm) +4dBu line (XLR or TRS) inputs

Connect devices such as audio interfaces, digital to analog convertors and mix consoles.



Always use a TRS cable (balanced), **NOT** a TS cable (unbalanced and susceptible to interference)



Neutrik XLR/1/4 inch (6.35mm) combo inputs

or



Use: 1/4 inch (6.35mm) jack

or

XLR

Source B

Left and Right RCA inputs (-10dBV)

Connect devices such as CD Players, recording devices, pre-amplified turntables and cameras.



RCA inputs

Use: RCA "lotus" connectors

Source C

Stereo 1/8inch (3.5mm) input

Connect devices such as phones, laptops, MP3 players and cameras.



1/8 inch (3.5mm) connectors



Use: 1/8 inch (3.5mm) TRS or TRRS connectors

Once you have connected your sources, choose which source you would like to hear via the buttons at the front of the device.



- A: 1/4 inch (6.35mm)/XLR balanced combo inputs (L+R) B: RCA unbalanced inputs (L+R) C: 3.5mm stereo input

Front panel



1. Neutrik Headphone connector

This high quality Neutrik 1/4 inch (6.35mm) TRS headphone connector should be used to connect a pair of headphones of at least good or very good quality.

2. Input selection buttons

Press the corresponding input selection knob to choose between your connected sources.

3. Volume knob

This high quality potentiometer accurately facilitates precise level control.

We advise turning the SpaceMon on WITHOUT headphones connected and to remove them BEFORE turning the unit off. This is to take the burden off of the amplifier and provide the utmost protection for the device and its longevity. ALWAYS ensure the volume is low or zero before connecting and wearing headphones.

Rear Panel



1. Power switch

Switches on the headphone amplifier. The device does not have a memory of the last input selection before powering off, so will revert to input selection 'A' once turned on.

2. Power supply input

Connect the supplied 24V power adapter here. The adapter's cable is attached to the unit using a Mini-XLR connector to enable a secure connection.

3. 3.5mm Input (A)

3.5mm stereo input designed for signals from mobile devices and other similar devices.

4. L+R RCA Inputs (B)

Left and right RCA inputs - calibrated for unbalanced -10dBV signals.

5. L+R Neutrik XLR/1/4 inch (6.35mm) combo line inputs (C)

Suitable for XLR or 1/4 inch (6.35mm) TRS cables. These high quality combination inputs are calibrated for +4dBu, balanced signals.

Specifications

DNR.....117dB
THD+N.....-100dB
OUTPUT Level.....+16dBu
INPUT Level.....+22dBu
OUTPUT Impedance.....0.01Ω

MAXIMUM INPUT LEVELS

XLR I/P: +22.8 dBu @ 1 kHz (A)
RCA I/P: +14.7 dBu @ 1 kHz (B)
3.5mm I/P: +3.3 dBu @ 1 kHz (C)

OUTPUT POWER

(As per typical headphone set)
16 Ohm typical Load: 1.933 VAC RMS @ 1 kHz = 230mW RMS
150 Ohm typical Load: 5.108 VAC RMS @ 1 kHz = 175mW RMS

OUTPUT IMPEDANCE

.08 Ohm @ 1 kHz, 16-150 Ohm load, 0 dBu input

FREQUENCY RESPONSE

+/- .2 dB from 10 Hz to 120 kHz

NOISE

(As per typical headphone set)
XLR Input: -101.9 dBV (A)
RCA Input: -100.9 dBV (B)
3.5mm Input: -88.8 dBV (C)

DIMENSIONS

Length: 181mm
Height: 50mm
Width: 197.3mm

WEIGHT

1.015kg

POWER SUPPLY

24VDC @ 0.25Amp (6 watt) minimum. Use with supplied power adapter.

Services

If your SpaceMon needs servicing, follow these instructions.

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

1. FAQ
2. Download
3. Product Registration
4. Video Tutorials

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> and then sign in to submit a ticket. Once you have submitted an inquiry ticket, our support team will assist you to resolve the problem with your ICON Pro Audio 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. 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.
3. 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 the **United States** please visit our help centre - <https://support.iconproaudio.com> and submit a ticket to the technical support team.

If you are located in **Europe**, please email the support team and wait for a response before sending the product to:
Sound Service GmbH
European Headquarters
Moriz-Seeler-Straße 3 D-12489 Berlin
Telephone: +49 (0)30 707 130-0
Fax: +49 (0)30 707 130-189
E-Mail: service@sound-service.eu

If you are located in **Hong Kong** please email the support team and wait for a response before sending 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.
Tel: (852) 2398 2286
Fax: (852) 2789 3947
Email: info.asia@icon-global.com



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