

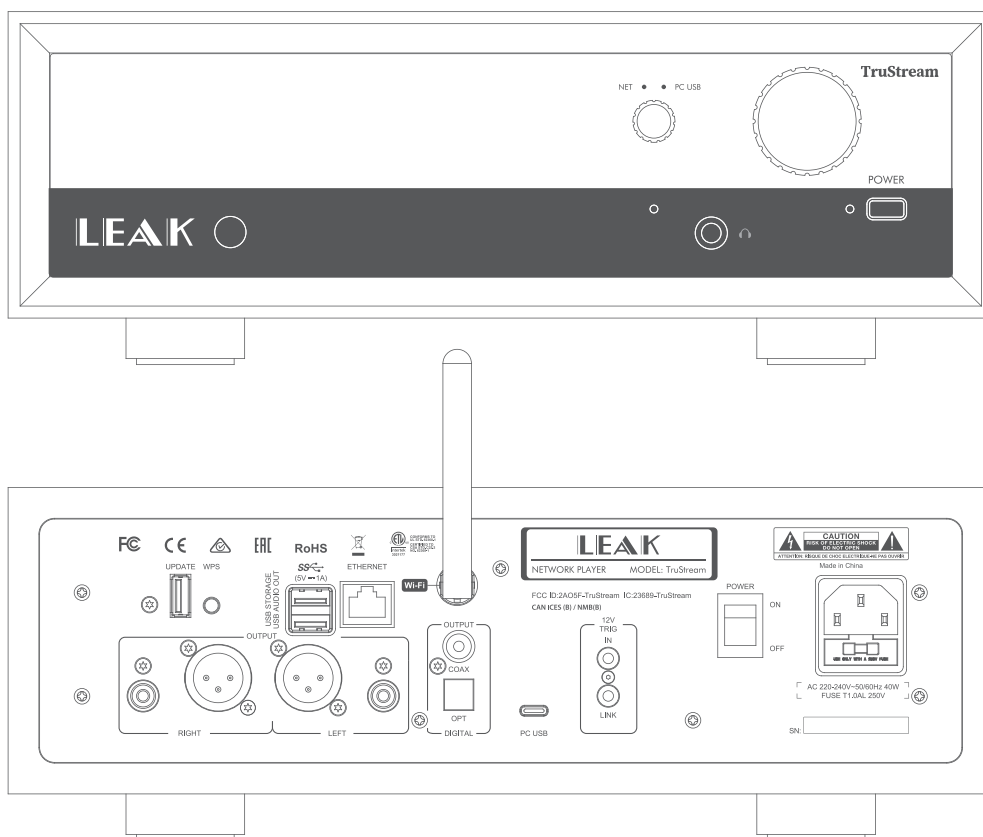
3 YEAR
WARRANTY



Scan the QR code using a smartphone device,
for product warranty registration online.

LEAK

User Manual



LEAK TruStream Network Player

IMPORTANT SAFETY INFORMATION



This lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

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

Read these instructions. Keep these instructions. Heed all warnings.

Follow all instructions:

Do not use this apparatus near water. Clean only with a dry cloth.

Do not block any ventilation openings. Install under the manufacturer’s instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding 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 the replacement of the obsolete outlet.

Protect the power cord from being stepped on or pinched, particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.

Unplug this apparatus during lightning storms or when unused for long periods of time.

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 spilt or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Do not install this equipment in a confined or built-in space such as a bookcase or similar unit, and keep well ventilated in an open space. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, tablecloths, curtains etc.

WARNING: Only use attachments/accessories specified or provided by the manufacturer (such as the exclusive supply adapter, battery etc.).

WARNING: Please refer to the information on the exterior panel of the enclosure for electrical and safety information before installing or operating the apparatus.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on the apparatus.

WARNING: For the terminals marked with the symbol of “⚡” may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made leads or cords.



Ground protection terminal. This product should be connected to a power outlet with ground protection.

Denmark: Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord.

Finland: Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan.

Norway: Apparatet må tilkoples jordnet stikkontakt.

Sweden: Apparaten skall anslutas till jordat uttag.

WARNING: No naked flame sources, such as lighted candles, should be placed on the apparatus.

WARNING: Attention should be drawn to environmental aspects of battery disposal.

WARNING: Use of the apparatus in tropical climates.

THE FUSE VALUES ARE:

220 – 240V (UK, China, etc.) T 1.0AL 250V Slow Blow

100 – 120V (USA, Japan, etc.) T 1.6AL 250V Slow Blow



FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

- RF Exposure Information
- The device has been evaluated to meet general RF exposure requirement.
- The device can be used in portable exposure condition, compliance with exposure requirements.

ISED Statement

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.



Being Roon Ready means that the LEAK TruStream uses Roon streaming technology, for an incredible user interface, simple setup, rock-solid daily reliability, and the highest levels of audio performance, without compromise.



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GETTING STARTED

Introduction

Thank you for choosing the LEAK TruStream. This network music player merges LEAK's signature heritage styling with modern digital performance. With seamless app control and high-resolution playback, the TruStream delivers a refined wireless hi-fi experience tailored for the discerning listener.

Please read this manual carefully to familiarise yourself with the features and proper operation of your LEAK TruStream. Retain it for future reference.

Features

- LEAK Streaming technology Powered by Silent Angel (IEEE 802.11 a / b / g / n / ac, 2.4 / 5GHz)
- Dedicated LEAK TruStream Streaming App (iOS and Android)
- Native support for Spotify Connect, TIDAL Connect, Qobuz Connect and TuneIn
- Roon Ready
- Airplay 2
- ESS Sabre ES9038Q2M 32-bit DAC
- Stream music from network shared storage (over SMB / CIFS)
- Play music from USB storage / flash drive / USB Hard disk (single-partition FAT32 or exFAT)
- RK3399 ARM® Cortex-A72 @ 2.0GHz ARM® Cortex-A53 @ 1.5GHz

Inputs

- Dual band Wi-Fi connection (802.11 a / b / g / n / ac)
- 1 x Ethernet 10 / 100 / 1000Base-T ethernet
- 2 x USB-A input for USB storage devices
- PC USB (USB Type-C)
- 1 x USB-A for MCU update

Outputs

- 1 x RCA (pair) analogue output
- 1 x XLR (pair) analogue output
- 1 x Optical digital output
- 1 x Coaxial digital output
- 2 x USB-A for USB audio outputs
- 1 x 6.3mm (1 / 4") Headphone output

Unpacking the Equipment

The carton should contain:

- One LEAK TruStream
- One IEC power cord for your region
- One remote handset
- One user's manual
- 2 x AAA batteries (Batteries may not be supplied depending on regional shipping regulations)

Consult the dealer from whom you purchased the equipment if any item is not present. Carefully unpack the unit and accessories. Take care not to damage the surface finish when undoing the protective polythene sleeve.

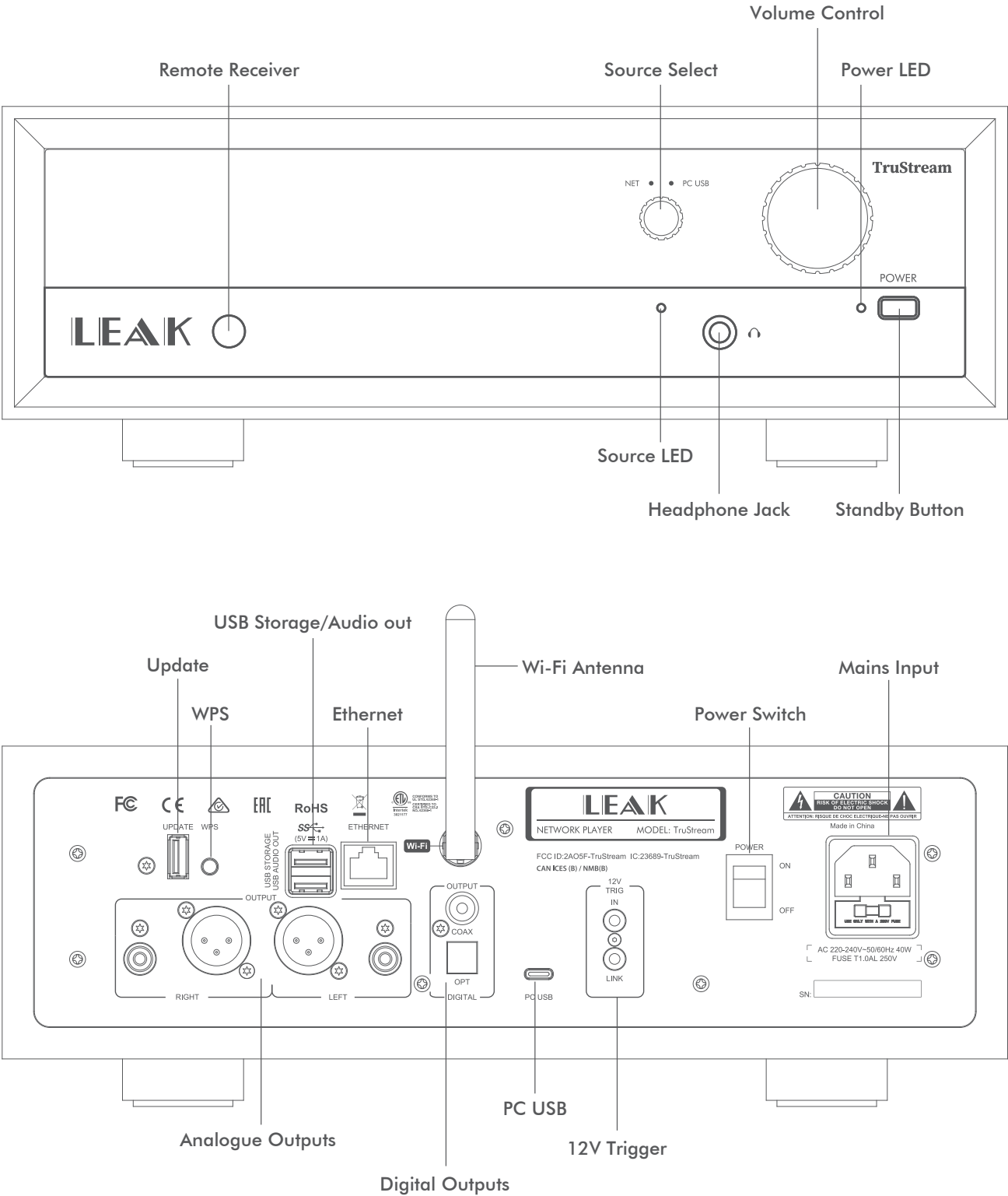
Retain the packing materials for future use. Retain the user manual and information concerning the date and place of purchase of your equipment for future reference. If you transfer the unit to a third party, please pass on this instruction manual along with the equipment.

Placement

Place the unit on a stable, level surface with adequate ventilation. Confirm that the local mains voltage matches the rating on the rear panel before connecting power. If in doubt, consult your dealer. If you move to an area that has a different mains voltage, seek advice from a LEAK-appointed dealer or a competent service technician.



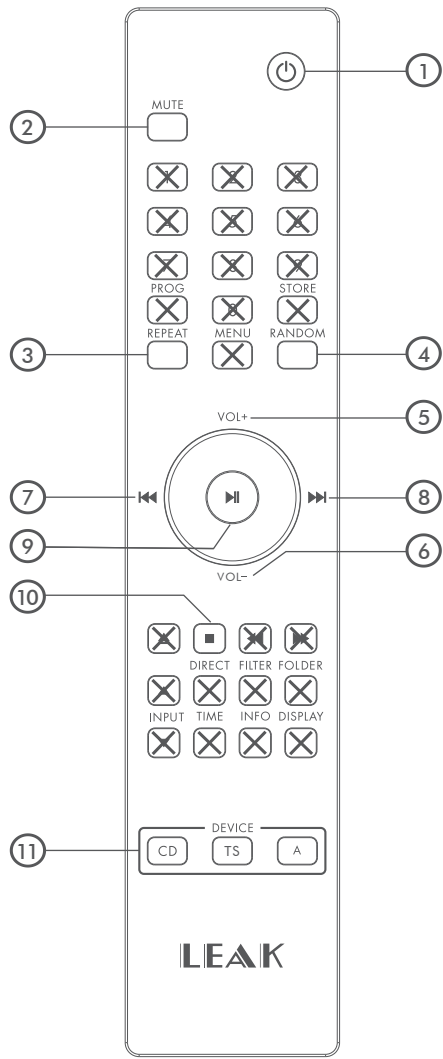
CONNECTORS





REMOTE HANDSET

NOTE : the handset buttons shown crossed out are for use with other LEAK units such as the LEAK CDT and are therefore not functional when used with the LEAK STEREO 230.



- | | |
|-------------|---|
| 1. Standby | Press to bring unit in / out of standby mode |
| 2. MUTE | Press to Mute / Unmute the sound |
| 3. REPEAT | Press to select repeat mode |
| 4. RANDOM | Press to select random mode |
| 5. VOL+ | Press to increase volume |
| 6. VOL- | Press to decrease volume |
| 7. ◀◀ | Press to select previous track |
| 8. ▶▶ | Press to select next track |
| 9. ▶ | Press to Play / Pause |
| 10. ■ | Press to stop playback |
| 11. CD/TS/A | Press to select LEAK CDT / TruStream / Stereo 130 & 230 |

NOTE:

Always use AAA batteries and replace them in sets - never mix old and new batteries.

Very weak batteries can leak and damage the handset. Replace them in good time! There is a risk of fire and burns if a battery is handled improperly. Do not disassemble, crush, puncture, short the contacts or dispose of the batteries in fire or water.

Do not attempt to open or service a battery. Discard used batteries in full accordance with recycling regulations in force in your area.



CONNECTION

Installation

Before making any connections to your Hi-Fi equipment, make sure that all units in the system are switched off and unplugged at the mains.

AC Power In

The power switch is on the rear panel. Before connecting the LEAK TruStream to the AC mains supply, check and make sure the voltage marked on the back matches your supply voltage.

Digital Outputs

The LEAK TruStream provides a single Coaxial and one Optical SPDIF output. Connect a suitable Digital Coaxial interconnect or Optical cable from the corresponding SPDIF output on the TruStream to the input of a DAC or a digital input on your chosen DAC or pre-amplifier.

Analogue Outputs

The LEAK TruStream features one pair of balanced (XLR) outputs and one pair of unbalanced (RCA) outputs. Balanced connections offer greater dynamic range and reduced noise. If your amplifier is equipped with balanced inputs, connect them to the corresponding balanced outputs using an XLR cable for each channel.

USB Storage / Audio Out

The LEAK TruStream features two USB-A 3.0 ports capable of playback from USB HDD devices. These ports also provide audio output. Connect a USB-A 3.0 port to a DAC or amplifier that supports PC USB input using a suitable USB cable. This allows the transmission of audio signals from the TruStream to your DAC or amplifier via USB audio out. The two USB-A 3.0 ports can support two USB HDD sources simultaneously, or one USB HDD source and one USB audio output at the same time.

Ethernet

LEAK TruStream offers one 10M/100M/1000M adaptive Ethernet port.

USB Update

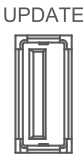
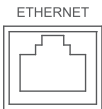
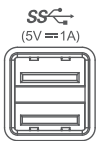
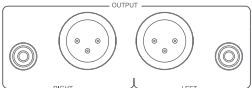
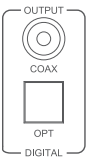
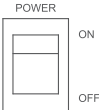
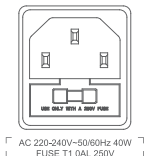
The LEAK TruStream is equipped with a USB-A port for firmware updates. Please follow the instructions provided in the update package to ensure your unit is upgraded to the latest firmware. The update package is available for download from the LEAK website at leak-hifi.co.uk.

PC USB Input

The LEAK TruStream features a single USB-C port, enabling streaming of audio from compatible PCs or Macs.

Headphone Output

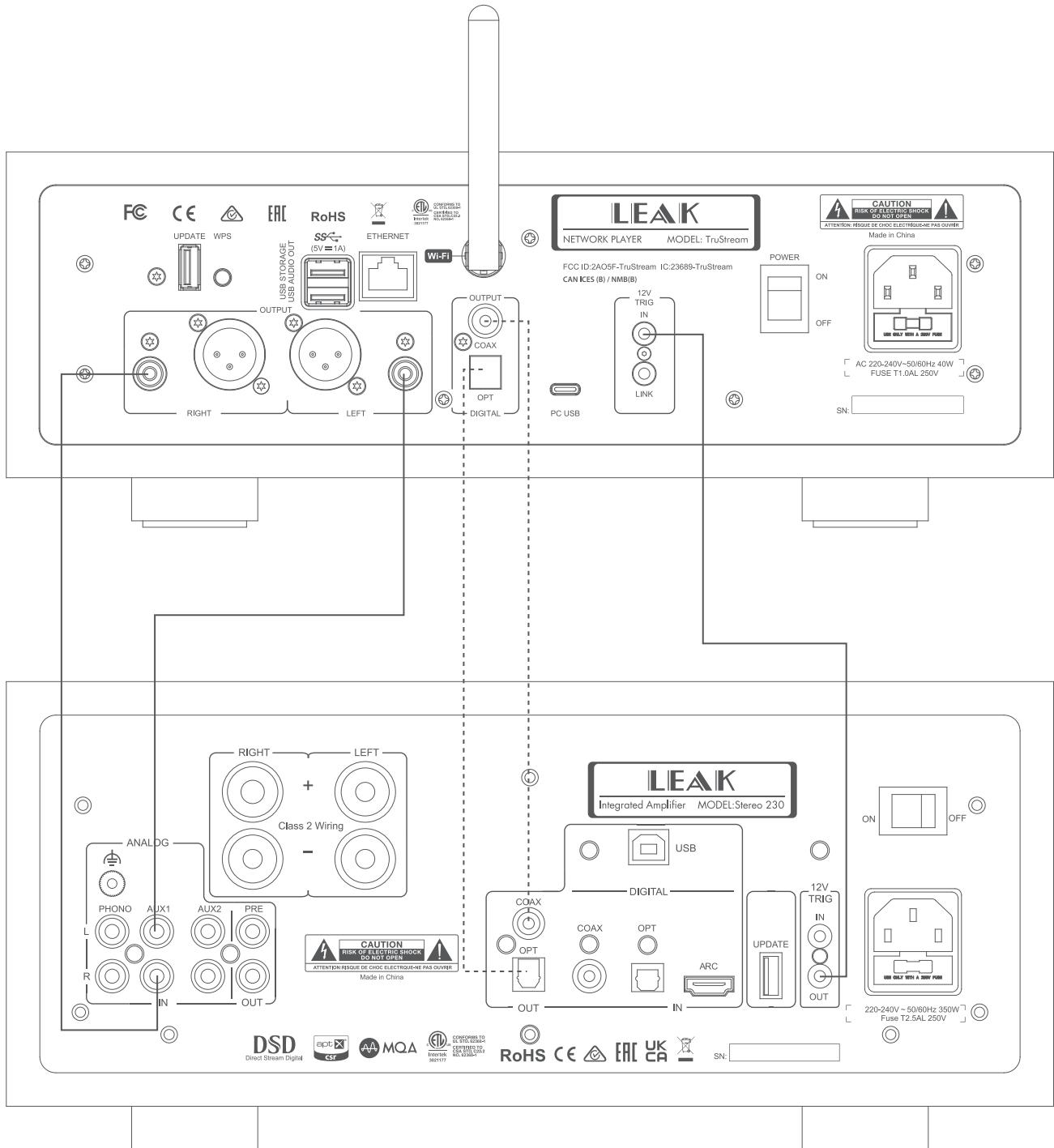
A stereo 6.3mm (1/4") jack is provided on the front panel for connecting headphones. When headphones are connected, the audio to the XLR and RCA outputs will be muted.





Connect the LEAK TruStream to LEAK Stereo 230 (or other integrated amplifier)

Use either RCA, XLR, COAX or OPT connection





SYSTEM OPERATION

Switching On and Off

The LEAK TruStream should be switched on prior to the amplification stage within your system. When switching off the system, ensure the amplifier is powered down before turning off the TruStream.

Standby Mode

The LEAK TruStream remains in standby mode following initial power-up. To activate the device, press the standby button; the power indicator LED will become brighter, and the source LED will turn solid white (indicating a Wi-Fi connection) or orange (indicating an Ethernet connection or PC USB mode) as the unit enters operational mode.

You may adjust the 'auto standby' function by pressing and holding the standby button on the front panel until the LED flashes. A brief press of the standby button then selects the desired auto standby duration, as detailed below:

20-Minute Auto-Standby (default)

The power LED flashes twice, indicating auto standby after 20 minutes of no signal input or operation. The TruStream will automatically enter standby mode if inactive for this period.

1-Hour Auto-Standby

The power LED flashes three times, indicating auto standby after 1 hour of inactivity.

Never Auto-Standby

The power LED flashes once, signifying that the device will not enter standby mode automatically.

Source Select

The input source can be selected by the rotary 'Source Select' switch on the front panel.

Source Indicator	LED indicator	Status
NET	WHITE	Streaming with Wi-Fi connection
NET	ORANGE	Streaming with Ethernet connection
PC USB	ORANGE	Streaming from PC USB connection

Volume Control

The LEAK TruStream volume level is displayed on the LEAK TruStream App, which allows direct control of the volume. Additionally, volume can be adjusted by turning the VOL knob on the front panel or by using the VOL+/- keys on the remote control. To mute or unmute the sound, press the VOL knob on the front panel or the mute button on the remote. The power LED will flash when the unit is muted.

Firmware Updates

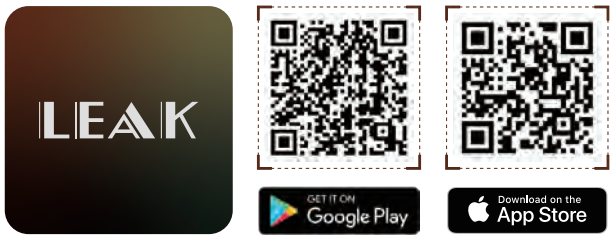
The unit periodically checks for firmware updates via over-the-air (OTA). When "New FW Available" appears after the "About" text in the LEAK TruStream App, tap to access the "About" section, then select "Upgrade Firmware" and await the completion of the firmware update.

For MCU firmware, please visit leak-hifi.co.uk to download the latest version. Carefully read the instructions included in the download folder before proceeding with the update.



Streaming Playback

Please download the LEAK TruStream app from the Apple App Store or Google Play on your smart device prior to using LEAK TruStream. Ensure that you allow LEAK TruStream to locate the local device.



Ethernet Connection

Connect the LEAK TruStream directly to your router’s RJ45 port using an Ethernet cable. Power on the device and select the NET source mode. The LEAK TruStream will enter operation mode after a few moments. Confirmation of a successful connection is indicated by the source LED turning solid orange.

Wi-Fi Connection Via WPS

Ensure that your wireless router supports WPS mode and is equipped with a WPS button. If supported, briefly press the WPS button located on the rear panel of the TruStream device; the source LED will then flash rapidly. Subsequently, press the WPS button on your router. After a few moments, the source LED will turn a steady white, indicating a successful connection.

If pairing is unsuccessful, repeat the process. Alternatively, some routers may require you to press the WPS button on the router first, followed by the WPS button on the TruStream.

Via AP (Access Point)

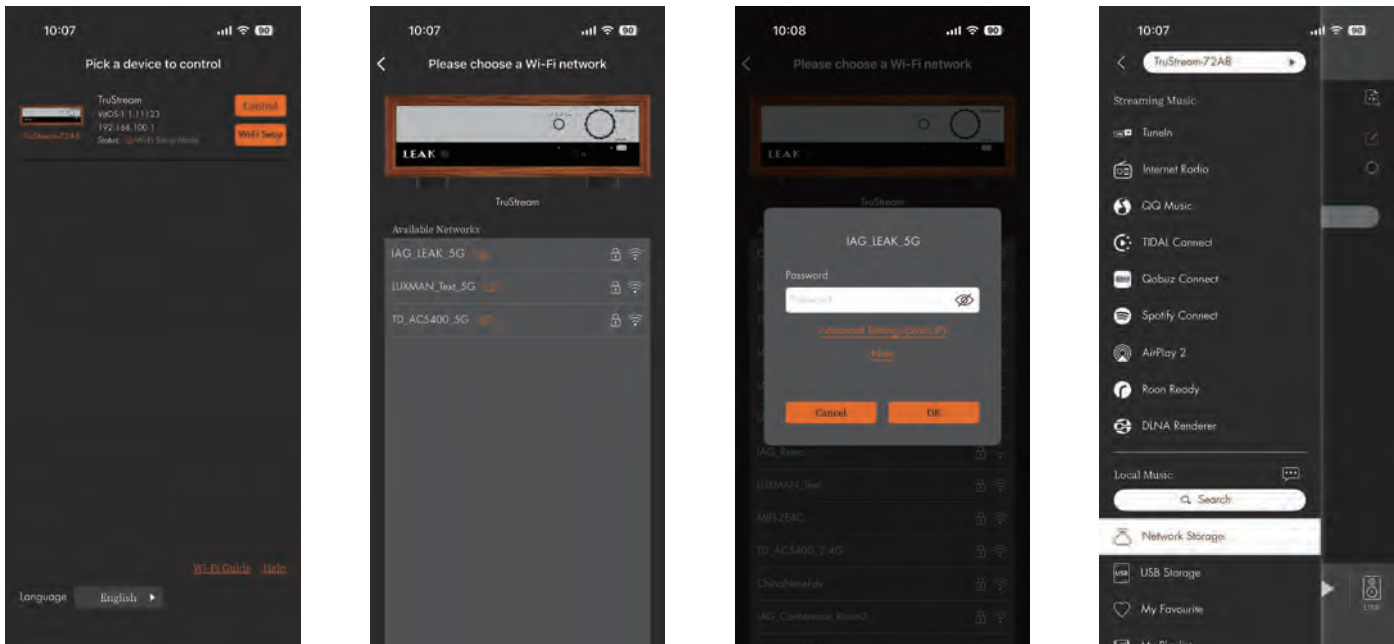
Download the LEAK TruStream App onto your device and ensure it is connected to the same Wi-Fi network you intend to use for streaming. Press and hold the WPS button located at the rear of the TruStream for six seconds, then release it. After a few moments, the source LED will flash rapidly and then display a breathing pattern, indicating that the Access Point (AP) mode is active.

Access your smartphone or tablet's Wi-Fi settings and locate the AP Hotspot named TruStream-XXXX. Connect to this network. Open the LEAK TruStream App, which will prompt you to set up a Wi-Fi connection for your TruStream device.

Tap on “Wi-Fi Setup”, which will display available Wi-Fi networks. Select your router’s Wi-Fi network (SSID), enter the password, and then press ‘Done’. The LEAK TruStream will connect to your network within a few moments and the device will be ready for use.

Alternatively, you can tap “Wi-Fi Guide” within the app and follow the step-by-step instructions to connect your LEAK TruStream to your Wi-Fi network.

Once connected to the internet, navigate to the sidebar options to enable services such as AirPlay 2, Tidal Connect, Spotify Connect, Qobuz Connect, DLNA Renderer, and Roon Ready. You may also log in to your TunesIn account for internet radio streaming.



Click Wi-Fi Setup

Pick your Wi-Fi

Entering Password

Ready to use

PLAYBACK FUNCTION

Play/Pause

Press the **▶||** button on the remote control, or use the transport controls in the TruStream App. Pause the music by pressing the **▶||** button during playback.

Previous/Next Track

Press the **◀◀** button or **▶▶** buttons on the remote control, or in the TruStream App to skip forward or skip backwards in your playlist or music source.

Playing from PC via USB USB Drivers



Download the Windows PC USB Driver from leak-hifi.co.uk. Comprehensive instructions and operational details are included with the PC USB driver download. Connect your computer to the LEAK TruStream using a USB-C cable. Select the PC USB input via the front panel Source knob. Once a file is playing, the digital inputs will automatically lock onto the digital signal. Playing via USB Storage

Insert your USB storage device containing supported music files into one of the two USB-A 3.0 ports, then access the USB drive through the TruStream App's sidebar option "USB Storage". You can connect up to two USB devices simultaneously.

Supported file formats include: FLAC, DSD, Apple Lossless (ALAC), WAV, AIFF, CUE, APE, MP3, WMA, AAC, OGG.



Drive Specifications

The LEAK TruStream is compatible with various USB drives, which should meet the following criteria:

Partitioning: Single partition only.

Formatting: FAT32 or exFAT.

Capacity: Up to 4TB.

Drive Types

Most standalone flash drives—including USB thumb drives, memory sticks, and pen drives—are compatible out of the box, typically formatted in FAT32. When reformatting, ensure that drives are single-partitioned and formatted as FAT32 or exFAT. Low-powered portable USB drives generally function correctly; however, some may require additional power, in which case the appropriate power supply should be used. Desktop USB disks with dedicated power supplies are broadly compatible, though issues may arise with SATA disk enclosures. Generally, adapters and enclosures containing SATA disks or SD, CF, or TF cards are not compatible.

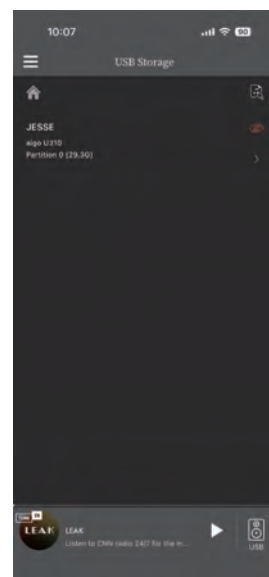
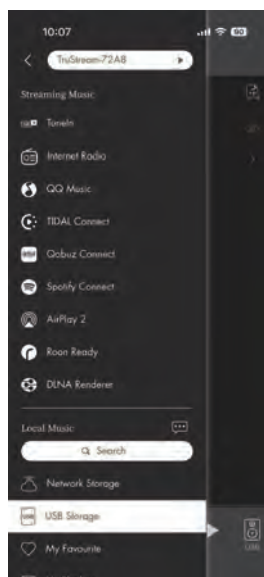
Playing via network

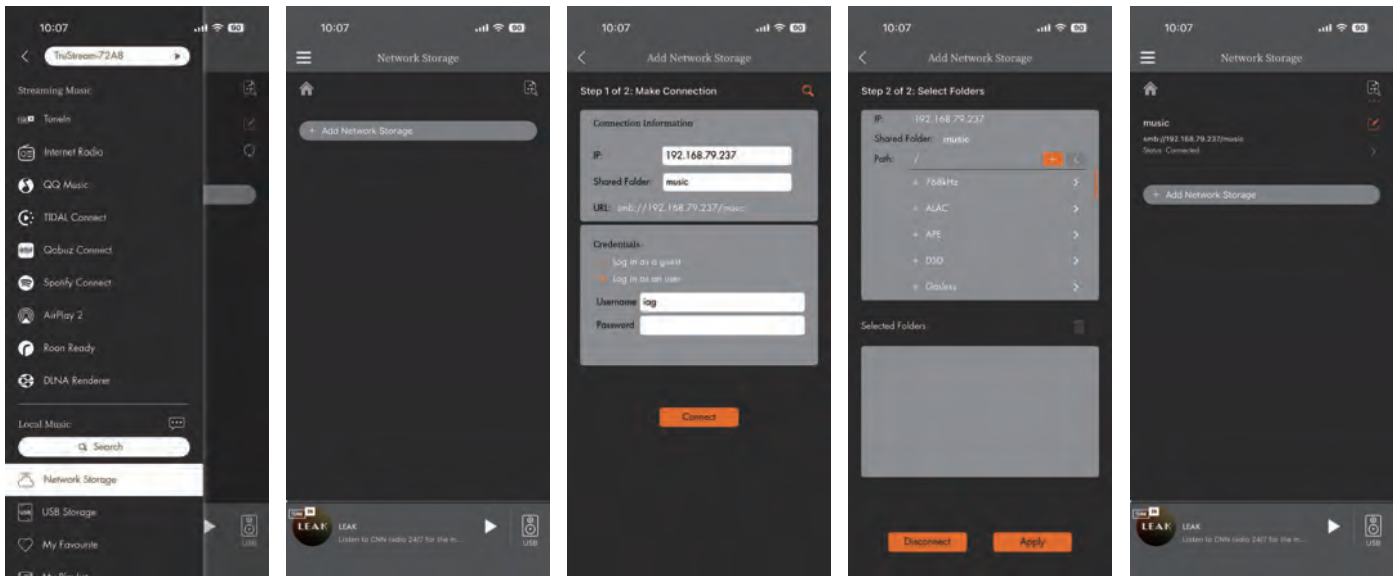
The LEAK TruStream supports local NAS and USB storage, as well as multiple streaming services, including UPnP.

NAS/Samba

Connect your NAS (formatted as FAT32, exFAT, or NTFS) to the same router as the LEAK TruStream. Supported file formats include: FLAC, DSD, ALAC, WAV, AIFF, CUE, APE, MP3, WMA, AAC, OGG.

- Select "Network Storage" on the sidebar
- Click "Add Network Storage"
- Click "Manual"
- Typing your NAS IP address and the folder you've saved tracks in.
- Log in as user and enter your NAS User name and Password then click Connect
- Select the sub-folder you want to add or just click "Apply" to add whole folder you've add in last step.
- You can now browse the NAS and select/play files.

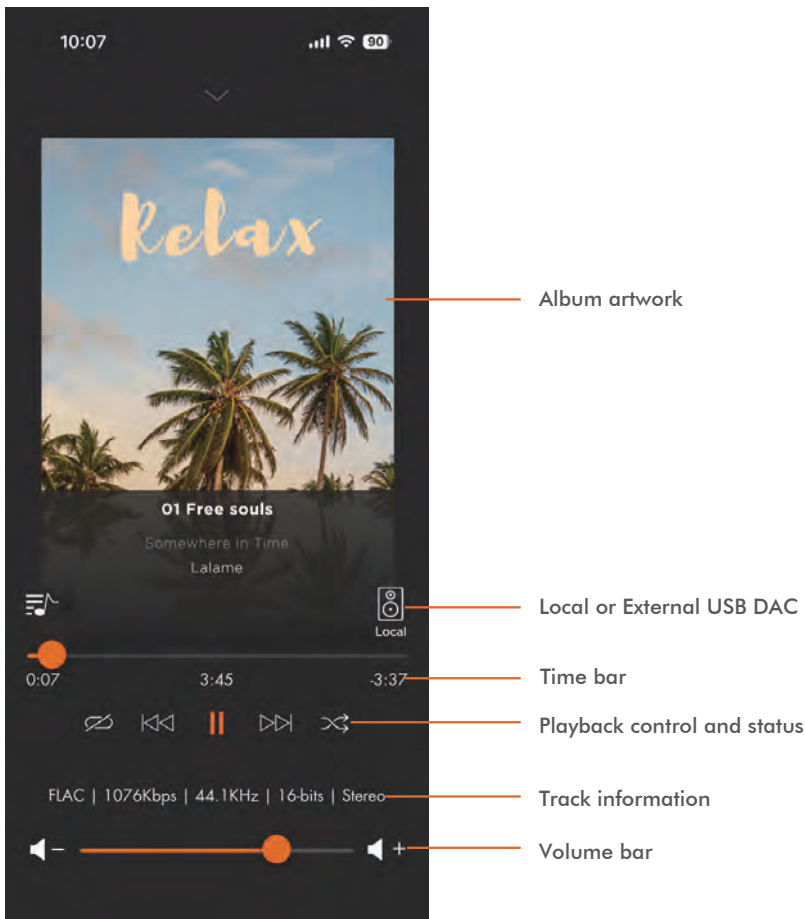




Music Streaming Platforms

The LEAK TruStream is compatible with Spotify Connect, Tidal Connect, Qobuz Connect, Qplay, Internet radio, and Tuneln. Users may stream directly through the official Spotify, Tidal, Qobuz, QQ Play, or Tuneln applications. Specifically, for Tuneln, users can log in to their account via the LEAK TruStream App and access their preferred content directly within the application.

Now Playing





WARRANTY COVERAGE

LEAK warrants its products, subject to the following terms and conditions below, to be free from defects in materials and workmanship.

Online Registration



Scan the QR code using a smartphone device, for product warranty registration online.

The three (3) year extended warranty is applicable to items purchased from Jan 1st 2021, onwards. Items purchased prior to this date are not eligible for this extended warranty service but are subject to statutory warranty claims and all applicable consumer rights.

To qualify for the extended 3 year warranty, you must register your product within ninety (90) calendar days from the date of purchase. Visit leak-hifi.co.uk/warranty-registration to complete your online registration. Items not registered online will have a Limited Warranty for one (1) year, or for the period of your country's statutory warranty, whichever is longer.

Warranty can only be offered to products registered with proof of purchase with date, model and details of the authorised dealer clearly stated on the receipt/invoice. Please keep the original receipt/invoice in case it is required for a warranty claim.

This Limited Warranty is non-transferable and is offered exclusively to the original owner.

This Limited Warranty is valid only in the original country of purchase.

Repairs or replacements are provided under this warranty are the exclusive remedy of the consumer. LEAK shall not be liable for any incidental or consequential damages for breach of any expenses or implied warranty with any product. Except to the extent prohibited by law, this warranty is exclusive and in lieu of all other warranties whatsoever, both expressed and implied, including but not limited to the warrant of merchantability and fitness for practical purpose.

This warranty provides benefits that are additional to and do not affect your statutory consumer rights.

This Limited Warranty offer is subject to correct information being submitted in your application. Incorrect dates or mismatched purchase receipt dates that are outside of the warranty terms will immediately invalidate any warranty claim.

*Please check with your dealer or local distributor for further information.

Exclusions

The following items are excluded from the LEAK warranty:

Normal wear and tear and cosmetic damage (including but not limited to any wear from reasonable use, environmental deterioration or neglect)

Products on which the serial number has been removed, altered or otherwise made illegible.

Products not purchased from an authorised LEAK dealer.

Products that were not new at the time of original purchase.

Products sold 'as is', 'as seen' or 'with faults'

Product not purchased from an Authorised Dealer/Distributor within the region of the claim (ie parallel imports or grey market products)

Accidental damage or faults caused by commercial use, acts of God, incorrect installation, incorrect connection, incorrect packaging, misuse or careless operation or handling which is not in accordance with the user instructions.

Equipment that has been operated in conjunction with unsuitable, inappropriate or faulty apparatus.



INSTALLATION - OPERATION - MAINTENANCE

- Repairs, alterations or modifications carried out by parties other than LEAK or its authorised service partners.
- Damage in transit that cannot be attributable to the fault of LEAK, the authorised distributor or dealer (ie. claims otherwise covered by transit insurance.)
- Faults relating to abnormal or inappropriate power supply voltage or power surges.
- Faults relating to extremities in temperature, exposure to heat, water or other liquids, insects, excessive moisture, sand, chemicals, battery leakage or any other contaminants.
- Any force majeure events, including but not limited to any acts of God, fire, lightning, typhoon, storm, earthquake, hurricane, natural disaster, tsunami, flood, war, riot, public disturbance.
- Any other causes beyond the reasonable control of either LEAK and its Authorised Distributor.
- Please note items purchased before 1st Jan 2021 are not eligible for the extended warranty claim.

How To Claim

- To obtain warranty service please contact the authorised dealer from which you purchased this product and present the limited warranty certificate offered upon registration of your product's extended warranty offer.
- Do not dispatch goods without the prior agreement of the dealer distributor or authorised service centre.
- If asked to return products for inspection and or repair, please pack carefully preferably in the original carton or packaging affording an equal degree of protection and returned via insured, trackable courier service.
- The authorised dealer or distributor will offer full return details and instructions. However, please note if unsuitable packaging is used the warranty may be deemed void due to improper action in return.
- LEAK or the authorised distributor, dealer or service centre may make a charge for the supply of new packaging for the return of the repaired item. Please note, insurance is recommended as goods are returned at the owner's risk. Authorised distributors or service centres cannot be held liable for loss or damage in transit, insurance and freight charges on the return journey will be paid for by LEAK, authorised dealer, distributor or service centre if corrective work proves to be necessary.
- In the event of 'no-fault found' or 'no repair necessary', the return shipping charge will be the responsibility of the owner.

Repairs

- All repairs will be carried out by the appointed distributor (or locally appointed service centre). Repairs handled or processed without authorisation or approval of the appointed representative will be excluded from this limited warranty. Please note, LEAK is not able to supply parts or replacement items to any other entity than the official distributor or authorised service centre.
- Other than the warranty and services set out in this warranty, to the fullest extent permitted by law, LEAK shall not be liable to you and/or any third party or entity whatsoever for:
 - Any loss, damages and/or malfunction caused to any product(s) which is/are connected to any of the products covered by this warranty.
 - Any damages, loss and liability, whether direct, indirect, incidental, consequential special, punitive or otherwise, howsoever caused by, arising out of or otherwise, in relation to the installation, delivery, use, service, repair, replacement and/or maintenance of the product;
 - Any damages, loss and liability under this warranty in respect of any act, omission, or negligence of any of their technicians, employees, agents, representatives or independent contractors relating to the actual or purported performance of any of the obligations under this warranty



Service Centre Address

Should a fault occur with your product, please pack it correctly using the original packing, so you can ship it safely. For technical support, servicing or product queries and information, please contact either your local retailer or the office below:

IAG Service Dept.

13/14 Glebe Road

Huntingdon

Cambridgeshire

PE29 7DL

UK

Tel: +44(0) 1480 452561

Email: support@iaguk.co.uk

For information on other authorised service centres worldwide contact LEAK International, UK.

A world wide distributors list is available on the LEAK website: www.leak-hifi.co.uk



INSTALLATION

SPECIFICATIONS

Model	TruStream
General description	Network Player
Design philosophy and core technology	ESS Sabre ES9038Q2M 32-bit DAC RK3399 ARM® Cortex-A72 @ 2.0GHz ARM® Cortex-A53 @ 1.5GHz Powered by Silent Angel Streaming technology (IEEE 802.11 a / b / g / n / ac, 2.4 / 5GHz) Native support for Spotify Connect, TIDAL Connect, Qobuz Connect and TuneIn Internet Radio Roon Ready Gapless Playback Music from network shared storage (over SMB / CIFS) USB storage / flash drive / USB hard disk (Single-partition FAT32, exFAT) iOS / Android LEAK TruStream App control
Inputs	1 x PC USB (USB Type-C) 1 x Ethernet 10 / 100 / 1000Base-T Ethernet 1 x USB-A for MCU Update 2 x USB-A for USB Storage
Outputs	1 x RCA (pair) analogue outputs 1 x XLR (pair) analogue outputs 1 x Optical digital output 1 x Coaxial digital output 2 x USB-A for USB Audio Out 1 x Headphone
Supported file formats	DSD Lossless: DSF (DSD), DIFF (DSD), DoP (DSD) PCM Lossless: FLAC, Apple Lossless (ALAC), WAV, AIFF, CUE, APE Compressed (lossy) Audio: MP3, WMA, AAC, OGG
Sampling Frequency	PCM: 44.1kHz-768kHz (705.6kHz/768kHz Fixed-point supported via App streaming) DSD: DSD64, DSD128, DSD256(DoP), DSD512(PC USB)
Digital Section	
Digital output intensity	500 +/- 50mVpp
Output impedance	75 ohms
Frequency response	-0.01dB (20Hz - 20kHz, ref.1kHz)
Max. Sampling Frequency	192kHz / 24-bit
Digital output	1 x Coaxial, 1 x Optical, USB Audio Out
D to A Converter	
Variable Output voltage (0dBFS, 1KHz)	0 – 2.05Vrms (RCA) 0 – 4.1Vrms (XLR)
DAC	ES9038Q2M



INSTALLATION - OPERATION - MAINTENANCE

Frequency Response	+/-0.5dB (20Hz - 20KHz, ref.1KHz)
Total Harmonic Distortion	<0.001% (1kHz @ 2.05Vrms)
Max. Sampling Frequency	768KHz / 32-bit
Signal-to-Noise Ratio (A-weighted)	116dB (RCA), >120dB (XLR)
Output Impedance	120ohm (RCA), 56ohm (XLR)

Headphone Amplifier

Total Harmonic Distortion (THD)	< 0.01% (1kHz, 50mW)
Output Impedance	2.35 ohm
Load Impedance	20-600 ohm

General

Standby Power Consumption	<0.5W
Net Weight	6.5kg
Gross Weight	8.5kg
Dimensions (mm) (W x H x D)	330 x 118 x 278mm
Carton Size (mm) (W x H x D)	475 x 260 x 455mm
Finish	Walnut
Power Requirements	220-240V - 50/ 60Hz
(depending on region)	100-120V - 50/ 60Hz
Standard Accessories	Power Cord, Remote Control, User Manual



Corrent disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsible to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



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