

# iLoud<sup>®</sup> Sub

**Ultra-compact Studio Subwoofer  
with ARC<sup>®</sup> Room Correction**

**USER MANUAL**



**IK MULTIMEDIA**

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## iLoud Sub

Thank you for purchasing iLoud Sub!

The iLoud Sub is the perfect companion for professional compact monitors like the iLoud Micro Monitor Pro and the iLoud MTM MKII, extending your setup into the low-frequency range with precision and transparency.

Ultra-compact yet ultra-powerful, the iLoud Sub delivers performance unique in its class. With linear-phase crossovers and perfectly time-coherent sound reproduction, it integrates seamlessly with connected speakers for a balanced, uncolored listening experience.

Designed for modern studios, the iLoud Sub offers USB audio input, analog input, and Bluetooth connectivity, making it easy to integrate into virtually any setup. Thanks to full ARC X compatibility, both the sub and connected monitors can be calibrated to the room via software, ensuring accurate, extended low-end response in any environment.

The native SUB voicing delivers flat, extended, and phase-coherent bass, while advanced ARC X controls provide further optimization to match your creative and acoustic needs.

## Register your iLoud Sub

By registering, you can access technical support, activate your warranty and receive free JamPoints™, which will be added to your account. JamPoints™ allows you to obtain discounts on future IK purchases. Registering also keeps you informed of the latest software updates and IK products.

Register at: [www.ikmultimedia.com/registration](http://www.ikmultimedia.com/registration)

## Support

For any questions you may have, please refer to the FAQ webpage at [ikmultimedia.com/faq](http://ikmultimedia.com/faq)

Here, you will find answers to the most asked questions.

To submit a Technical Support Form, go to: [ikmultimedia.com/support](http://ikmultimedia.com/support)

For other requests such as Product, Sales, or Web info, please go to [ikmultimedia.com/contact-us](http://ikmultimedia.com/contact-us)

## IK Product Manager

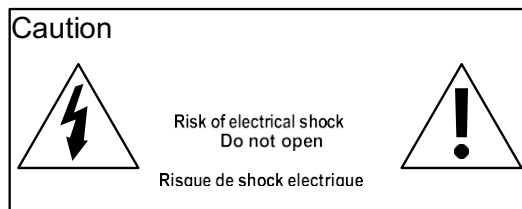
The IK Product Manager gives you one central location to manage all the latest IK Multimedia products. It's your central command for registration, downloads, installation, authorization, checking for updates, and much more.

- Register hardware and software in one location
- Download, install, and authorize software
- Simplified sounds download with pause/resume
- Authorize and de-authorize computers
- Update software, sounds and firmware
- Easily manage your entire IK collection

Download IK Product manager at: [ikmultimedia.com/pm](http://ikmultimedia.com/pm)

## Safety Instructions

Please read the following safety instructions before setting up your system. Keep the instructions for subsequent reference. Please heed the warnings and follow the instructions.



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.



1. **CAUTION:** The power supply cord is used as the main disconnect device, ensure that the socket-outlet is located/installed near the equipment and is easily accessible.

**ATTENTION:** Le cordon d'alimentation est utilisé comme interrupteur principal. La prise de courant doit être située ou installée à proximité de l'équipement et être facile d'accès.



2. To reduce the risk of fire or electric shock, do not expose this loudspeaker to rain or moisture.



3. No naked flame sources, such as lighted candles, should be placed on the loudspeaker.



4. To reduce the risk of fire or electric shock, do not open this speaker, no user serviceable parts inside.



5. Never replace any fuse with a value or type other than those specified. Never bypass any fuse.

6. Do not use this speaker near water. Never use this speaker in a humid environment.



7. Clean only with dry cloth.



8. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

9.   
Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
10.   
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 - type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
11.   
Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the loudspeaker.
12.   
Only use attachments/accessories specified by the manufacturer.
13.   
Unplug this speaker during lightning storms or when unused for a long period of time.
14.   
Always keep electric equipment out of the reach of children.
15. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
16.   
Refer all servicing to qualified service personnel. Servicing is required when the loudspeaker 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 speaker, the speaker has been exposed to rain or moisture, does not operate normally, or has been dropped.
17.   
Do not expose this speaker to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the speaker.
18.   
To completely disconnect the speaker from the AC mains, disconnect the power supply cord plug from the AC receptacle. The mains plug of the power supply cord shall remain readily operable.
19.   
The speaker should be connected to a mains socket outlet with a protective earthing connection.
20.   
Check that the specified voltage matches the voltage of the power supply you use. If not, do not connect the loudspeakers to a power source. Please contact your local dealer or national distributor.
21.   
Never use flammable or combustible chemicals for cleaning audio components.



22. Never expose this speaker to extremely high or low temperatures. Never operate this product in an explosive atmosphere. Rear panel may become too hot to touch, leave enough space for proper ventilation.



23. Assure free airflow behind the speaker to maintain sufficient cooling by keeping a distance of at least 10 centimeters (4") to the wall.



24. Always switch off your entire system before connecting or disconnecting any cables, or when cleaning any component



25. Always use fully checked cables. Defective cables can harm your speakers. They are a common source of any kind of noise, hum, crackling etc.



26. Avoid touching the speaker membranes.



27. Please note that the diaphragms build up a magnetic field. Please keep magnetically sensitive items at least 0.5m away from the speaker.



28. The equipment is capable of delivering sound pressure level considerably higher than 90dB, which may cause permanent hearing damage.

## Maintenance



Please switch the loudspeaker off before cleaning!



Please note that the diaphragms build up a magnetic field. Please keep magnetically sensitive items at least 0.5m away from the speaker.

3. Please make sure that no liquid get inside the cabinet. Do not spray any fluids on the speaker. Do not use a wet cloth for cleaning.



Do not use flammable or acidic chemicals for cleaning.



Do not touch the membranes of the loudspeakers.



We recommend using a lint-free, damp cloth for cleaning. The loudspeaker membranes may be dusted using a very soft

# System Description

The iLoud Sub is an highly compact active subwoofer that combines powerful low-frequency performance with advanced digital processing. Designed to integrate seamlessly with monitors such as the iLoud MTM MKII and iLoud Micro Monitor Pro, it extends the frequency response of the system while maintaining clarity and phase coherence.

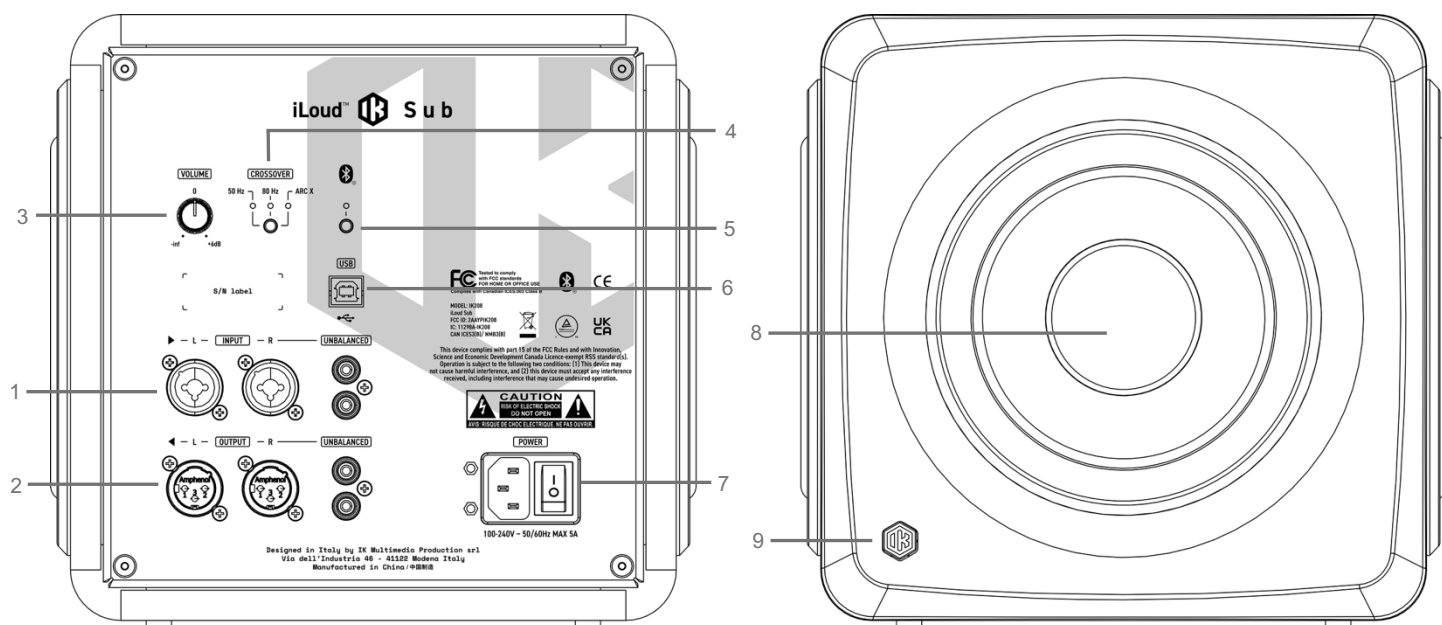
The unit is fully compatible with ARC X, enabling precise calibration of its own response as well as all monitors connected to the analog output. This ensures that the entire monitoring chain can be equalized to the acoustic environment with a single process.

Connectivity options include Bluetooth input, USB audio input (the device is recognized as a standard audio interface) and analog input/output, making the sub versatile for both modern digital studios and traditional setups.

Control and calibration are managed through the ARC X software for macOS and Windows. Target curves and correction filters are processed directly within the sub, ensuring efficient, high-resolution operation even in the lowest frequency ranges.

By combining compact size, powerful performance, and intelligent calibration, the iLoud Sub offers a unique solution for achieving accurate full-range monitoring in any studio.

# iLoud Sub



## iLoud Sub

1. 1.4" / XLR combo + RCA input
2. XLR + RCA output
3. Volume control
4. Crossover selection
5. Bluetooth activation
6. USB port
7. Power section
8. 6.5" Custom-made, high-performance aluminium woofer
9. Multi-color LED

## Features:

- Ultra-compact studio-quality subwoofer with automatic setup and alignment
- Built-in ARC room correction for both subwoofer and satellite speakers
- Smallest footprint in the category - fits anywhere
- 160 W RMS power, 200 W peak
- Frequency response: 25 - 150Hz @-6dB
- Max SPL at 40Hz: 106dB peak
- 6.5" high-performance aluminum woofer
- 2 x 6.5" aluminum passive radiators
- XLR and RCA analog inputs and outputs
- High quality Bluetooth® audio
- Digital audio input via USB-C
- Can be controlled by ARC X software (included)
- Auto standby
- Adds high end room correction to any studio monitor
- Perfect for small immersive setups
- Ideal match for iLoud Micro Monitors, Micro Monitor Pro and iLoud MTM MKII

## Box content:

- 1x iLoud Sub
- 1x Power cord
- 1x USB-B to USB-A cable
- ARC Microphone with clamp

**Dimension (H x W x D):** 24.4 cm/9.61" x 25 cm/9.84" x 28.3 cm/11.14"

**Weight:** 7.1 Kg/15.6 lbs

**Operating temperature:** 0 - 45 °C

**Operating altitude:** up to 2000m

## 1 - Installation and Setup

We recommend using high-quality audio cables to guarantee optimal performance. The speaker must also stand firmly on a solid surface. Please note that the loudspeaker will take a few days to achieve optimum sonic performance.

1. Ensure that the iLoud Sub's volume control is set to zero and that the ON/OFF switch on the rear panel is set to OFF.
2. Adjust the position of the speaker.
3. Connect the power cord.
4. Connect the audio input source to the input connector of iLoud Sub.
5. Connect the audio output to the top speakers.
6. Switch on the ON/OFF switch on the rear panel. After a short delay, the front LED will illuminate steady white.
7. Turn on your audio playback system (Mixing Console, Audio Interface, etc.).
8. Adjust the speaker response with the dedicated controls on the rear panel if needed.
9. You can perform a speaker calibration to perfectly fit your iLoud Sub and the connected loudspeakers into your acoustic environment (refer to the dedicated paragraph in this manual).

**Note:** Remember the “last on, first off” rule for powered speakers before plugging them in and turning them on. When powering up your system, ensure all the wires are connected, turn on your mixer/interface and any other outboard gear, and then turn on your iLoud Sub. When powering down, turn off your iLoud Sub first, followed by your mixer/interface and outboard gear.

## 2 - Control Panel

### 2.1 - Audio input

2x Combo XLR-1/4" balanced line input

2x RCA unbalanced input

These connectors connect a stereo analog audio source (e.g., mixer/audio interface bal/unbal line out).

### 2.2 - Audio output

2x XLR balanced line output

2x RCA unbalanced output

These connectors connect a stereo analog pair of speakers (e.g., iLoud Micro Monitor Pro, iLoud MTM MKII). The output audio signal is already crossovered and calibrated, if the system has been calibrated via ARC X software.

### 2.3 - Level

This control allows you to adjust the input level of the iLoud Sub from -inf dB to +6 dB.

### 2.4 - USB port

This USB type-B port is used for service purposes, such as firmware updates, factory checks, or remotely controlling the iLoud Sub via its control software and as Digital Audio input. Once the device is connected to the PC, iLoud Sub can be used as Audio interface with 44.1kHz, 48kHz, 88.2kHz and 96kHz sampling frequencies.

### 2.5 - Bluetooth

By pressing the Bluetooth button, the device becomes visible and can be paired with an external device. Once the connection is successfully established, an audible signal is emitted to confirm the pairing.

### 2.6 - Crossover selection

By pressing the Crossover button, the user can select a crossover frequency of 50 Hz, 80 Hz or choose to have the crossover managed by ARC X. If a crossover frequency is set manually and later modified by ARC X, it is necessary to recalibrate the system, as otherwise a phase misalignment may occur, impacting the overall system response.

### 2.7 - Power

Power switch: this switch allows you to power on and off your device.

Power AC: connect the (included) power cord to this AC socket.

*IMPORTANT: Before connecting or disconnecting the power cord, ensure the power switch is set to OFF.*

## 3 - ARC X Calibration

Thanks to the ARC X technology, iLoud Sub can be tailored to fit your listening space perfectly.

It can calibrate the entire system, including the connected top monitors, ensuring an optimal fit for your room.

For more information about the calibration procedure, please refer to the dedicated ARC X page:

[www.ikmultimedia.com/products/arcx](http://www.ikmultimedia.com/products/arcx)

## 4 - Factory Reset

Holding the CROSSOVER and BLUETOOTH buttons for ten seconds will reset the system's factory defaults. Then, all back LEDs will flash five times for one second, and the system will revert to its original factory state, including emptying the custom calibration curve.

## 5 - DFU Mode

By holding the CROSSOVER button while powering on the device, it will enter DFU mode and the front LED will turn solid blue. In this mode, it is possible to perform a firmware recovery using the ARC X software.

# Troubleshooting

### **I have connected my device to iLoud Sub, but no sound comes out**

Set up the volume with the volume control on iLoud Sub and/or your device's volume control.

### **Sound is distorted**

When noticeable distortion occurs on the iLoud Sub or connected speakers, please turn down the level of the speakers or the connected audio source.

# Warranty

Please visit:

[www.ikmultimedia.com/warranty](http://www.ikmultimedia.com/warranty) for the complete warranty policy.

# Support and more info

[www.ikmultimedia.com/support](http://www.ikmultimedia.com/support)

[www.ikmultimedia.com/products/iloudsub](http://www.ikmultimedia.com/products/iloudsub)

## Regulatory

iLoud Sub

Model Number: IK208



## FCC Warnings

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## IC WARNING

This radio transmitter has been approved by Innovation, Science and Economic Development Canada.

This Class B digital apparatus complies with Canadian standard ICES-003. This device complies with Innovation, Science and Economic Development Canada License exempt RSS standard(s). Operation is subject to the following two conditions.

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

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## Innovation, sciences et développement économique Canada

Le présent appareil est conforme aux CNR Innovation, sciences et développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

## AVIS RELATIFS À L'EXPOSITION RF

Cet équipement est conforme aux limites d'exposition au rayonnement ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

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