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IK Multimedia MON-PRECISION-500-IN

IK Multimedia iLoud Precision 5 Studio Monitor User Manual

Model: MON-PRECISION-500-IN

INTRODUCTION

Welcome to the user manual for your IK Multimedia iLoud Precision 5 Linear Phase Studio Monitor. This manual provides essential information for setting up, operating, and maintaining your studio monitor to ensure optimal performance and longevity. The iLoud Precision 5 is designed to deliver high-quality, accurate sound reproduction for professional audio environments, featuring built-in room calibration and ultra-low bass extension.

PACKAGE CONTENTS

Upon unboxing your iLoud Precision 5, please verify that all the following components are included:

- iLoud Precision 5 monitor
- Power cord
- ARC microphone and clamp
- USB-B to USB-A cable (2.5 m/8.2 ft)
- Kit of 4 iLoud isolation pods



Image: The iLoud Precision 5 studio monitor shown with its included ARC measurement microphone.

PRODUCT OVERVIEW

Key Features

- **High-Quality Sound & Power Output:** 135W RMS total power with a 5" ultralight coated paper mid-woofer and 1.5" chambered dome tweeter delivers clear, detailed sound from 46 Hz to 30 kHz (+/-1 dB), ensuring exceptional audio performance.
- **Audiophile-Class Amplifiers & Advanced DSP:** Custom-designed Class-D amplifiers provide ultra-low distortion, while a 96 kHz DSP system ensures precise sound reproduction, room optimization, and seamless phase coherence.
- **Room Calibration & Remote Software Control:** Built-in ARC (Automatic Room Calibration) with a high-precision mic fine-tunes acoustics. X-MONITOR software for macOS/Windows offers remote control of voice selection, calibration, and LF, HF, and mid-range adjustments.
- **High SPL & Compact Design:** Peak SPLs of 115.3 dB and continuous SPL of 101.6 dB ensure clarity at any

volume. Handcrafted in Italy, its compact, high-performance design meets professional studio standards.

Component Identification



Image: Front view of the iLoud Precision 5 studio monitor, showcasing the tweeter and woofer.



Image: Rear panel of the iLoud Precision 5, detailing input connections, power switch, USB port, and various acoustic controls.



Image: Close-up view of the iLoud Precision 5's isolation pods, designed to minimize vibrations and improve sound clarity.

SETUP

Placement

For optimal sound reproduction, position your iLoud Precision 5 monitors equidistant from your listening position, forming an equilateral triangle. Ensure they are placed on stable surfaces, ideally using the included isolation pods to decouple them from your desk or stands. Avoid placing them directly against walls or in corners, which can negatively impact bass response.



Image: Side view of the iLoud Precision 5, illustrating its compact design suitable for various studio setups.

Connections

1. Connect the power cord to the monitor's AC input and then to a power outlet.
2. Use XLR cables to connect your audio interface or mixer's outputs to the iLoud Precision 5's XLR inputs.
3. Connect the supplied USB-B to USB-A cable from the monitor's USB port to your computer for X-MONITOR software control and firmware updates.
4. Plug the ARC measurement microphone into the dedicated ARC MIC IN port on the rear panel.

Initial Power On & Calibration

After making all connections, switch on the power. It is highly recommended to perform the ARC room calibration for the most accurate sound. Install the X-MONITOR software on your macOS or Windows computer. Follow the on-screen instructions within the X-MONITOR software to guide you through the ARC calibration process using the included microphone. This process will analyze your room's acoustics and apply corrective EQ to the monitors for a flat frequency response at your listening position.



Image: The X-MONITOR software interface displayed on a computer screen, showing room calibration graphs and control options for the iLoud Precision monitors.

OPERATING

Basic Operation

- **Power On/Off:** Use the power switch on the rear panel to turn the monitor on or off.
- **Level Control:** Adjust the input sensitivity using the LEVEL knob on the rear panel. Start with a lower setting and gradually increase to a comfortable listening volume.
- **Acoustic Controls:** The rear panel features switches for LF Extension, LF, HF, and Mid-range adjustments. These allow for fine-tuning the monitor's response to your room and personal preference, even after ARC calibration.
- **CAL/PRESET:** Toggle between calibrated (ARC) and flat/preset modes.

Using X-MONITOR Software

The X-MONITOR software provides comprehensive control over your iLoud Precision monitors. It allows you to:

- Perform and manage ARC room calibrations.
- Select different voice emulations (e.g., NS-10, bookshelf speakers) to check your mixes on various playback systems.
- Adjust LF, HF, and mid-range EQ settings with greater precision than the physical switches.
- Update firmware for your monitors.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the monitor. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the rear bass reflex port and any ventilation openings are clear of obstructions to prevent overheating.
- **Storage:** If storing the monitors for an extended period, keep them in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Regularly check for and install firmware updates via the X-MONITOR software to ensure

optimal performance and access to new features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound	Power off; incorrect input connection; low volume; audio source issue.	Ensure power is on; check XLR cable connections; increase LEVEL knob; verify audio source is playing.
Distorted sound	Input signal too high; faulty cable; damaged speaker.	Reduce input level from audio source; try a different cable; contact support if speaker is damaged.
ARC calibration fails	Microphone not connected; software issue; noisy environment.	Ensure ARC mic is securely connected; restart X-MONITOR software; perform calibration in a quiet environment.
Monitor not recognized by X-MONITOR	USB cable issue; driver not installed; monitor not powered on.	Check USB cable connection; ensure monitor is powered on; reinstall X-MONITOR software and drivers.

SPECIFICATIONS

Feature	Detail
Model Name	iLoud Precision 5
Speaker Type	Monitor
Subwoofer Diameter	5 Inches
Tweeter Diameter	1.5 Inches
Speaker Maximum Output Power	135 Watts RMS
Connectivity Technology	XLR, USB
Product Dimensions (D x W x H)	10.04"D x 6.96"W x 11.96"H
Item Weight	14.3 pounds (6.5 Kilograms)
Included Components	MEMS measurement microphone, 4 isolation pods, USB-B to USB-A cable
Manufacturer	IK Multimedia
Model Number	MON-PRECISION-500-IN



Image: Diagram showing the dimensions of the iLoud Precision 5 studio monitor: 10.04 inches deep, 6.96 inches wide, and 11.96 inches high.

WARRANTY AND SUPPORT

The IK Multimedia iLoud Precision 5 Studio Monitor comes with a **Limited Warranty**. For specific terms and conditions, please refer to the warranty card included in your product packaging or visit the official IK Multimedia website. For technical support, product registration, or further inquiries, please visit the IK Multimedia support page or contact their customer service directly. Keep your purchase receipt and product serial number (located on the rear panel) handy when seeking support.

Official Website: www.ikmultimedia.com

Related Documents - MON-PRECISION-500-IN

<p>ARC X</p> <p>USER MANUAL VERSION 1.0.0</p> 	<p>IK Multimedia ARC X User Manual: Room Correction and Monitor Management Software</p> <p>Comprehensive user manual for IK Multimedia's ARC X software, detailing room correction, monitor management, calibration, and plug-in usage for optimal audio environments. Learn to achieve accurate sound in any studio.</p>
<p>iLoud Precision MKII</p> <p>使用说明书</p> 	<p>iLoud Precision MKII</p> <p>iLoud Precision MKII</p>
<p>iLoud Precision MKII Mounting Bracket</p> <p>USER MANUAL</p> 	<p>iLoud Precision MKII Mounting Bracket User Manual - IK Multimedia</p> <p>User manual for the IK Multimedia iLoud Precision MKII Mounting Bracket, providing detailed instructions for installation, safety precautions, technical specifications, and support resources.</p>
<p>iLoud Micro Monitor</p> <p>Studio reference monitor USER MANUAL</p> 	<p>IK Multimedia iLoud Micro Monitor User Manual</p> <p>User manual for the IK Multimedia iLoud Micro Monitor, a compact studio reference monitor system. Learn about installation, setup, control panel features, acoustic adjustments, troubleshooting, and specifications.</p>
<p>iLoud Micro Monitor Pro</p> <p>USER MANUAL</p> 	<p>IK Multimedia iLoud Micro Monitor Pro User Manual</p> <p>Explore the IK Multimedia iLoud Micro Monitor Pro, a compact and portable professional studio monitor. This user manual covers setup, features like ARC calibration and X-MONITOR software, and troubleshooting for audio engineers.</p>
<p>ARC Studio</p> <p>Advanced Room Correction System USER MANUAL</p> 	<p>ARC Studio User Manual: Advanced Room Correction System</p> <p>User manual for the IK Multimedia ARC Studio, an advanced room correction system. Details features, installation, setup, specifications, and support resources.</p>

iLoud Precision

High Resolution linear phase
studio monitors

USER MANUAL

Model: iLoud Precision 5



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