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Professional Room Correction System

INTRODUCTION

The IK Multimedia ARC X is a professional room correction system designed to improve the accuracy of your monitoring environment. This manual provides essential information for setting up, operating, and maintaining your ARC X system to achieve optimal audio performance.

The ARC X system measures the spatial characteristics of your room and applies intelligent, phase-free correction to ensure a professional monitoring environment. After calibration, the system allows for further tuning to suit specific production purposes, from a thorough neutral orientation to a more musical sound field.

PACKAGE CONTENTS

Verify that all components are present in your ARC X package:

- ARC X Software License
- Measurement Microphone
- USB Cable (if applicable, for connecting the audio interface to the computer)
- Quick Start Guide (this manual serves as a detailed guide)



Image: IK Multimedia ARC X system components. This image displays the main product packaging, which typically includes the software and measurement microphone.

SETUP

1. Software Installation

1. Visit the official IK Multimedia website to download the latest ARC X software.
2. Follow the on-screen instructions to install the software on your computer.
3. Register your product using the provided license key.

2. Microphone Connection

1. Connect the measurement microphone to an available XLR input on your audio interface.
2. Ensure phantom power (+48V) is enabled for the microphone input on your audio interface.
3. Connect your audio interface to your computer using a USB cable or other appropriate connection.

3. Speaker Placement

For accurate room correction, ensure your studio monitors are placed symmetrically and at an equilateral triangle with your listening position. Refer to standard studio monitor placement guidelines for optimal results in your studio environment.

OPERATING INSTRUCTIONS

1. Launching ARC X Software

Open the ARC X application from your computer's applications folder or desktop shortcut.

2. Calibration Process

1. In the ARC X software, select your audio interface as the input and output device.
2. Follow the on-screen prompts to begin the measurement process. The software will guide you through placing the microphone at various positions within your listening area.
3. The software will emit test tones through your speakers and record them via the measurement microphone.
4. Once all measurements are complete, the ARC X software will calculate and generate a room correction profile.

3. Applying Correction

The generated correction profile can be loaded into the ARC X plugin within your Digital Audio Workstation (DAW) or used with compatible hardware for zero-latency correction. Ensure the ARC X plugin is the last insert on your master bus in your DAW for accurate monitoring.

The system improves the accuracy of all monitors and speakers. ARC X and ARC Studio combine for more flexible monitor system optimization.

4. Tuning and Voicing

ARC X allows for further tuning beyond the initial calibration. You can adjust the sound field from a neutral orientation to a more musical sound, depending on your production needs. Explore the various voicing options and profiles within the software to find your preferred sound.

Intuitive switching between profiles, voicing, and calibration contents is available within the ARC X interface.

MAINTENANCE

Software Updates

Regularly check the IK Multimedia website for software updates. Updates often include performance improvements, bug fixes, and new features. Keeping your software up-to-date ensures optimal functionality.

Microphone Care

- Store the measurement microphone in its protective case when not in use to prevent dust and damage.
- Avoid dropping the microphone or exposing it to extreme temperatures or humidity.
- Clean the microphone body with a soft, dry cloth. Do not use liquid cleaners on the microphone capsule.

TROUBLESHOOTING

No Sound During Calibration

- **Check Audio Interface Settings:** Ensure your audio interface is correctly selected in the ARC X software and your computer's sound settings.
- **Phantom Power:** Verify that +48V phantom power is enabled for the microphone input on your audio interface.
- **Cable Connections:** Confirm all audio cables are securely connected.
- **Speaker Power:** Ensure your studio monitors are powered on and their volume is set appropriately.

Inaccurate Correction Results

- **Microphone Placement:** Ensure the microphone was placed accurately at all specified measurement points during calibration.
- **Room Acoustics:** While ARC X corrects for room anomalies, extreme acoustic issues (e.g., excessive reflections, standing waves) may require physical room treatment for best results.

- **Recalibrate:** If you have moved speakers or changed your listening position, perform a new calibration.

Software Crashing or Freezing

- **System Requirements:** Verify your computer meets the minimum system requirements for ARC X.
- **Updates:** Ensure your ARC X software and audio interface drivers are up-to-date.
- **Reinstall:** As a last resort, try uninstalling and reinstalling the ARC X software.

SPECIFICATIONS

Feature	Detail
Item Model Number	ARC X
Item Weight	4.2 ounces (119 grams)
Package Dimensions	6.22 x 6.22 x 2.05 inches (15.8 x 15.8 x 5.2 cm)
Correction Type	Intelligent, phase-free room correction
Compatibility	Software plugin for DAWs, compatible with hardware for zero-latency correction

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official IK Multimedia website. Product registration may be required to activate your warranty.

For technical support, software downloads, and frequently asked questions, please visit the IK Multimedia support page: www.ikmultimedia.com/support

You can also contact IK Multimedia customer service directly through their website for personalized assistance.

