CCA Castor Pro

CCA KZ Castor Pro Tunable In-Ear Monitor User Manual

1. Introduction

This manual provides detailed instructions for the proper use, setup, operation, and maintenance of your CCA KZ Castor Pro Tunable In-Ear Monitors. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



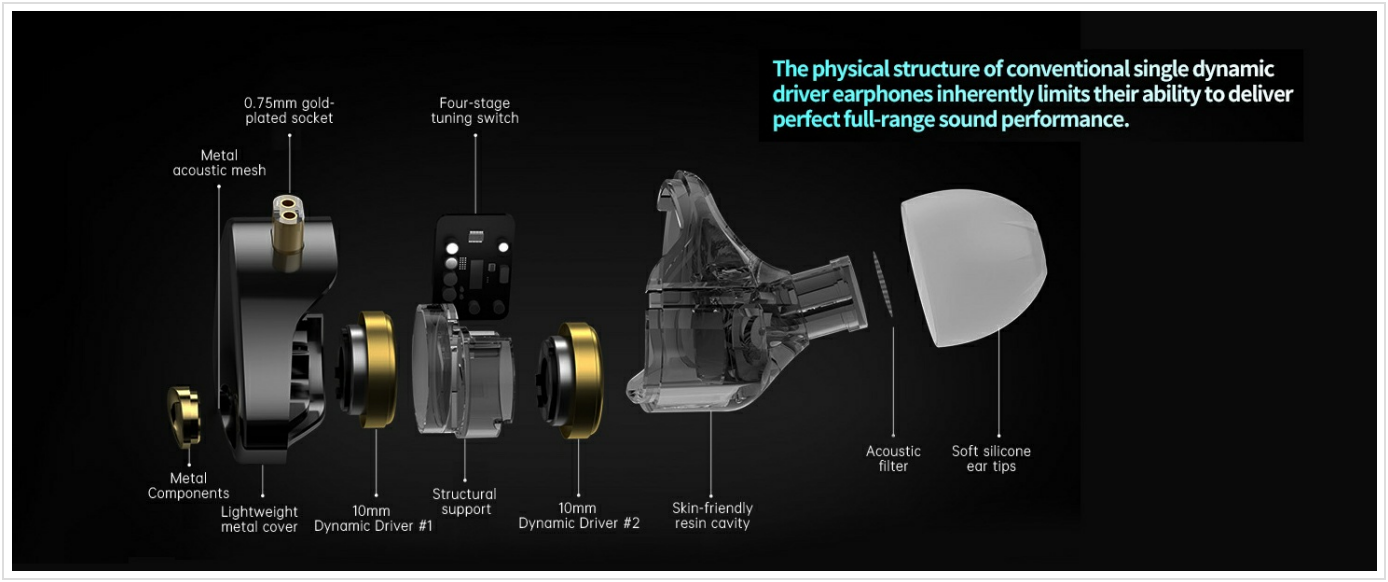
The CCA KZ Castor Pro In-Ear Monitors feature a sleek black design with a transparent housing revealing internal components, connected by a braided detachable cable with an in-line microphone.

2. Product Overview

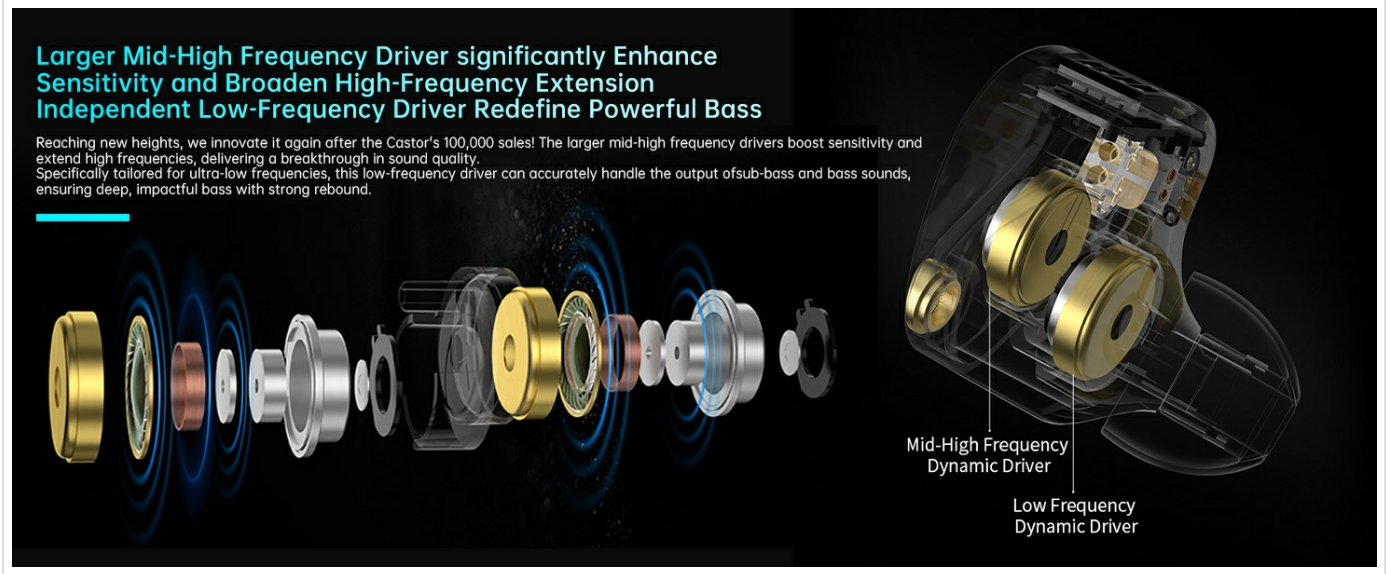
2.1 Key Features

- **Advanced Dual-Dynamic Driver System:** Equipped with a 10mm mid-high frequency dynamic driver and a 10mm low-frequency dynamic driver for full-spectrum sound.
- **Customizable Sound Profiles:** Four tuning switches allow for up to 16 distinct sound configurations for low and high frequencies.
- **Precision-Tuned Crossover Technology:** Seamlessly blends the output of the dual drivers for balanced audio.
- **Ergonomic Design:** Designed for a secure and comfortable fit during extended listening sessions.
- **Detachable 2PIN-C Cable:** High-purity oxygen-free copper flat cable with optional in-line microphone.

2.2 Components



This diagram illustrates the internal structure of the Castor Pro, showing the dual 10mm dynamic drivers, acoustic filter, resin cavity, gold-plated socket, and four-stage tuning switch.



An internal view highlighting the two 10mm dynamic drivers: one dedicated to mid-high frequencies and the other to low frequencies, working in conjunction for full-spectrum sound.

3. Setup

3.1 Connecting the Detachable Cable

1. Identify the left and right earphone units. The cable connectors are typically marked for orientation.
2. Align the 2-pin connector on the cable with the socket on the earphone unit. Ensure the pins are correctly oriented to avoid damage.
3. Gently push the connector into the socket until it is firmly seated. Do not force the connection.
4. Repeat for the other earphone unit.

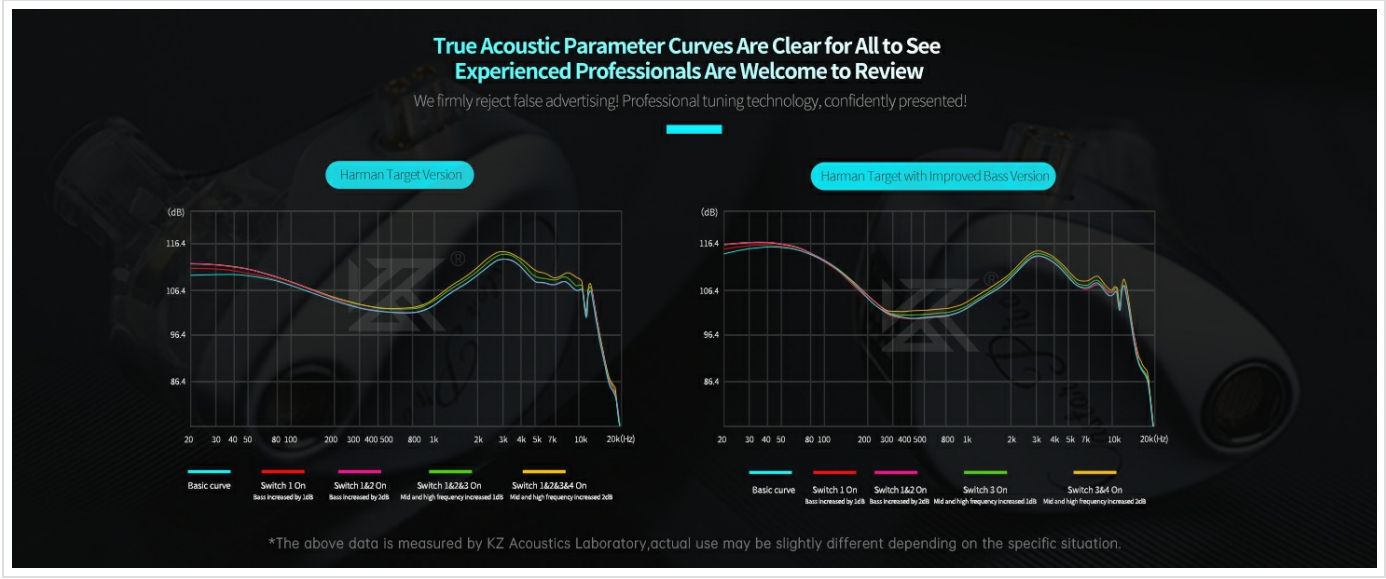
3.2 Selecting Ear Tips

The CCA KZ Castor Pro comes with various sizes of silicone ear tips. Proper ear tip selection is crucial for sound quality and comfort. Experiment with different sizes to find the best fit that provides a good seal in your ear canal. A good seal

enhances bass response and passive noise isolation.

3.3 Wearing the IEMs

1. Insert the earphone unit into your ear canal.
2. Guide the cable over the top of your ear, wrapping it around the back for a secure fit. The cable is designed to be worn over-ear to reduce microphonics and provide stability.
3. Adjust the earphone unit and cable until comfortable and a good seal is achieved.



An image demonstrating the ergonomic design of the Castor Pro IEM, showing how it comfortably and securely fits within the ear for extended listening sessions.

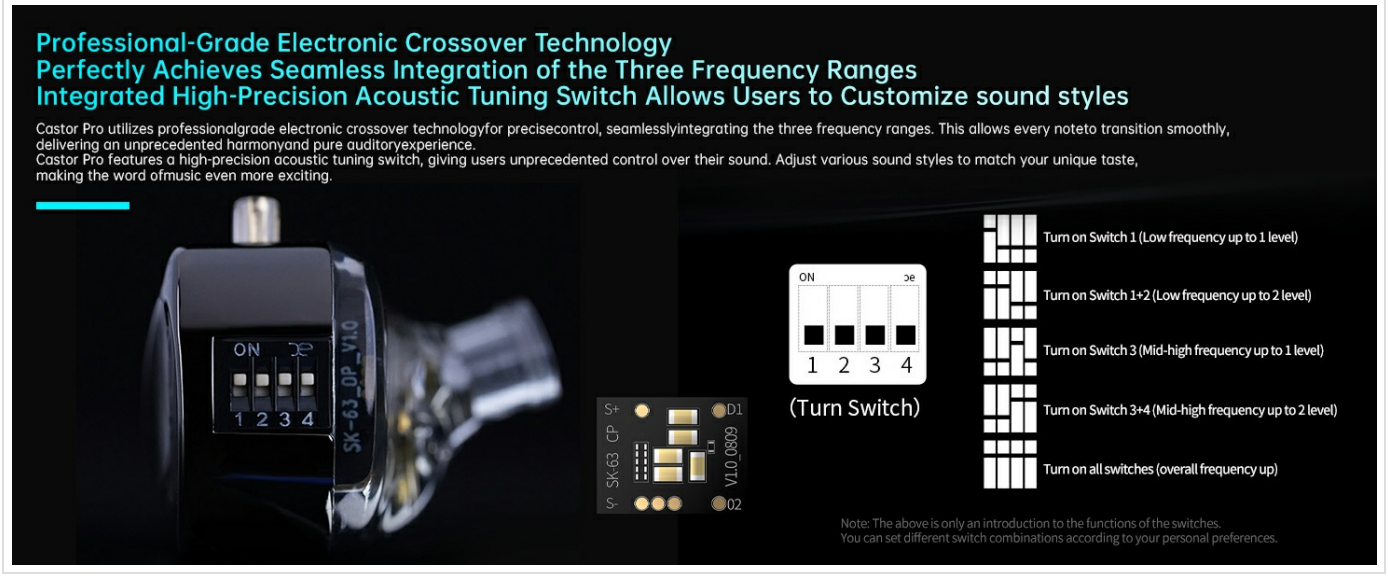
4. Operating Instructions

4.1 Sound Tuning with Switches

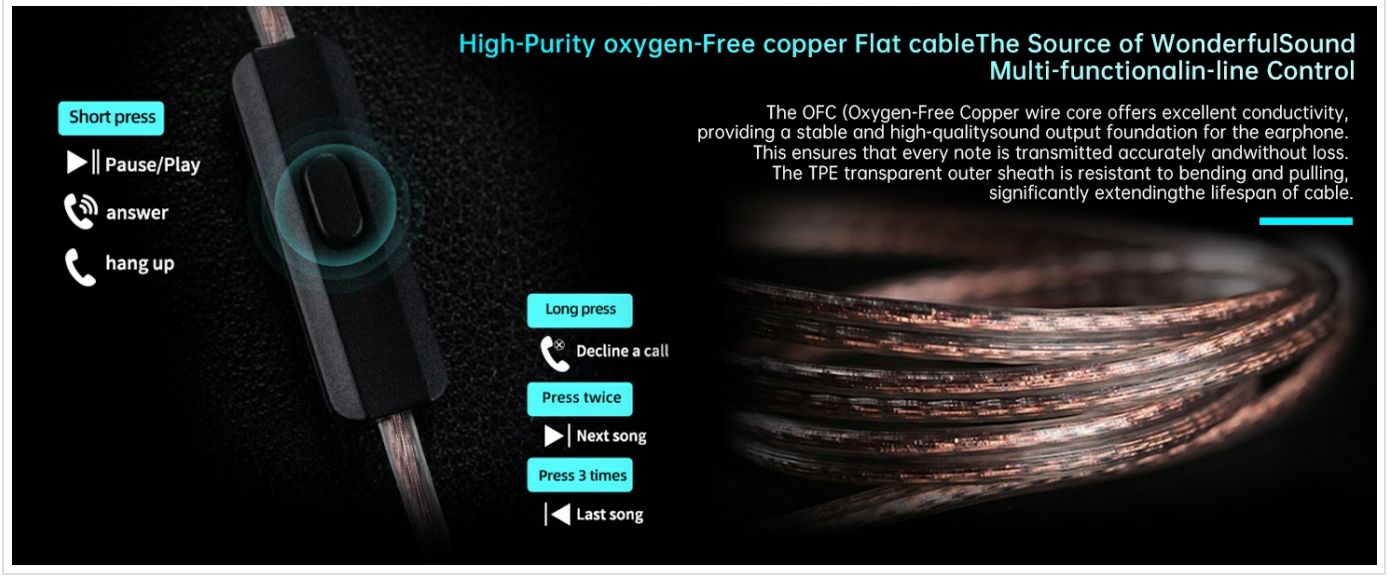
The KZ Castor Pro features four small tuning switches on each earphone unit, allowing you to customize the sound signature. Use a small tool (e.g., a SIM ejector tool or a toothpick) to flip the switches. Each switch position (ON/OFF) alters the frequency response.

- **Switches 1 & 2:** Control low-frequency (bass) levels. Engaging these switches typically increases bass.
- **Switches 3 & 4:** Control mid-high frequency levels. Engaging these switches typically increases mid-highs.

Experiment with different combinations to find your preferred sound profile. Refer to the frequency response curves for a visual representation of the changes.



A detailed view of the four small switches located on the side of the IEM, which allow users to adjust low and high frequencies for customized sound profiles.



A graph displaying various frequency response curves, illustrating how the four tuning switches modify the bass and mid-high frequencies, including a 'Harman Target with Improved Bass Version' curve.

4.2 In-line Microphone and Controls (if applicable)

If your CCA KZ Castor Pro cable includes an in-line microphone and control button, you can perform the following functions:

- **Short Press:** Play/Pause music, Answer/End calls.
- **Long Press:** Decline an incoming call.
- **Press Twice:** Skip to the next song.
- **Press Three Times:** Go to the previous song.

The detachable cable includes an in-line remote with a single button for controlling playback (pause/play, next/previous track) and calls (answer/hang up, decline).

5. Maintenance

5.1 Cleaning the Earphones and Ear Tips

- Regularly clean the ear tips with a soft, damp cloth. For deeper cleaning, remove them from the earphones and wash with mild soap and water, then rinse thoroughly and allow to air dry completely before reattaching.
- Gently wipe the earphone units with a dry, soft cloth to remove any earwax or debris. Avoid using harsh chemicals or abrasive materials.
- Use a small brush or cleaning tool to carefully remove any debris from the nozzle and tuning switch area.

5.2 Cable Care

- Avoid sharp bends or excessive pulling on the cable, especially near the connectors.
- When storing, coil the cable loosely to prevent tangling and damage.

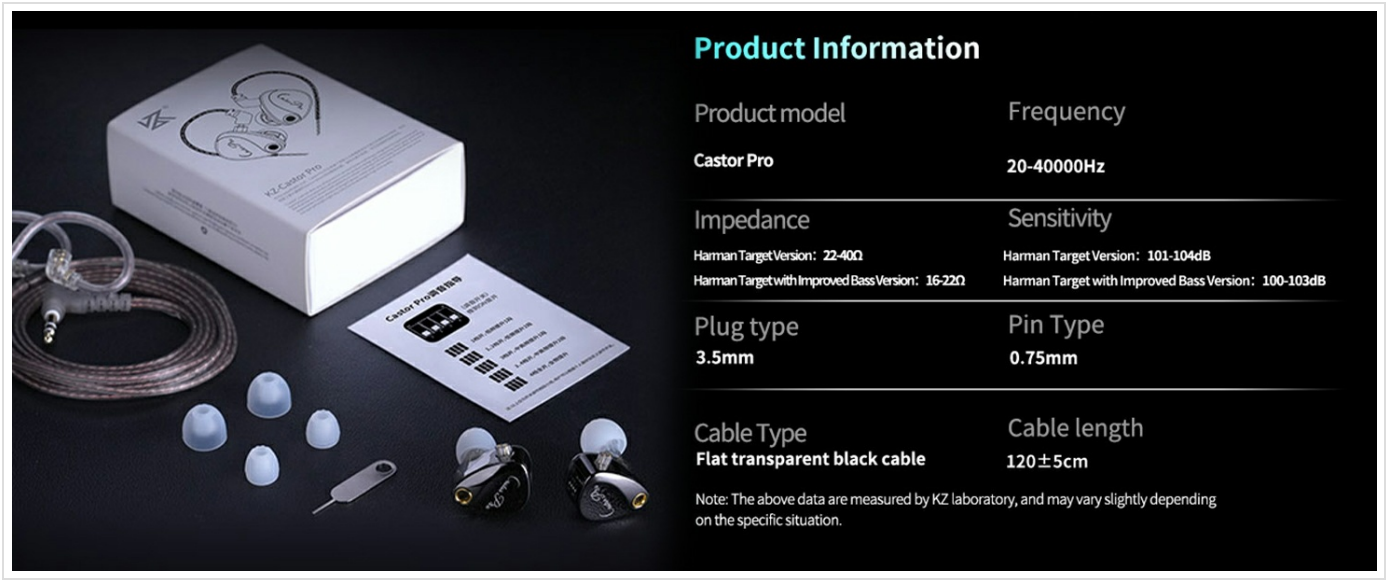
5.3 Storage

Store your IEMs in a clean, dry place, preferably in a protective case, when not in use. This helps prevent dust accumulation and physical damage.

6. Troubleshooting

Problem	Possible Cause	Solution
No sound from one or both earphones	Loose cable connection, incorrect source device settings, damaged cable/earphone.	Ensure cable is securely connected. Check audio settings on your device. Test with another audio source or cable if possible.
Unbalanced sound (one side quieter)	Earwax blockage in nozzle, loose cable connection, channel imbalance in source device.	Clean earphone nozzles. Re-seat cable connectors. Check device's balance settings.
Poor bass response or sound quality	Improper ear tip seal, incorrect tuning switch settings.	Try different ear tip sizes to achieve a better seal. Adjust the tuning switches for desired bass levels.
Discomfort or poor fit	Incorrect ear tip size, improper wearing technique.	Experiment with different ear tip sizes. Ensure the cable is worn over-ear and the IEM is seated correctly.
"Taking" noise from IEM (as reported by some users)	Internal component issue, microphonics from cable.	Ensure cable is securely attached and not rubbing against clothing. If persistent, contact customer support.

7. Specifications



A table summarizing key product specifications including model, frequency range, impedance, sensitivity, plug type, pin type, cable type, and cable length.

Feature	Detail
Model Name	Castor Pro
Frequency Range	20-40000Hz
Impedance	16 Ohm
Headphones Jack	3.5 mm Jack
Connectivity Technology	Wired
Cable Feature	Detachable
Audio Driver Type	Dynamic Driver (Dual 10mm)
Control Method	Remote (in-line, if mic version)
Water Resistance Level	Not Water Resistant
Product Dimensions	2.83 x 1.26 x 3.66 inches
Item Weight	2.11 ounces

8. Warranty and Support

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact your retailer. Warranty terms may vary depending on the region and point of sale. It is recommended to retain your proof of purchase for any warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question