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AINAVITO CX-100C

AINAVITO 10-inch Slim Under-Seat Powered Subwoofer User Manual

Brand: AINAVITO | **Model:** CX-100C

Product Overview

The AINAVITO 10-inch Slim Under-Seat Powered Subwoofer is designed to enhance your vehicle's audio system with deep, rich bass. Its compact design allows for discreet installation under seats in cars, trucks, and SUVs. Featuring a built-in amplifier, remote control, and customizable LED ambient lighting, this subwoofer delivers powerful audio performance and adds a unique aesthetic to your vehicle's interior.



Image: The AINAVITO 10-inch Slim Under-Seat Powered Subwoofer shown with its skull grille and red LED lighting, alongside various installation accessories.

What's in the Box

Upon unboxing your AINAVITO subwoofer, please ensure all the following components are present:

- 10-inch Subwoofer Main Unit
- Copper RCA Cable
- Remote Controller
- High to Low Level Input Adapter
- Copper Power Wire
- Copper Ground Wire
- REM Cable (Remote Turn-On Wire)
- Power Fuse
- Remote Control (for LED lighting)
- Copper Terminals + Stickers

- Product Manual (this document)



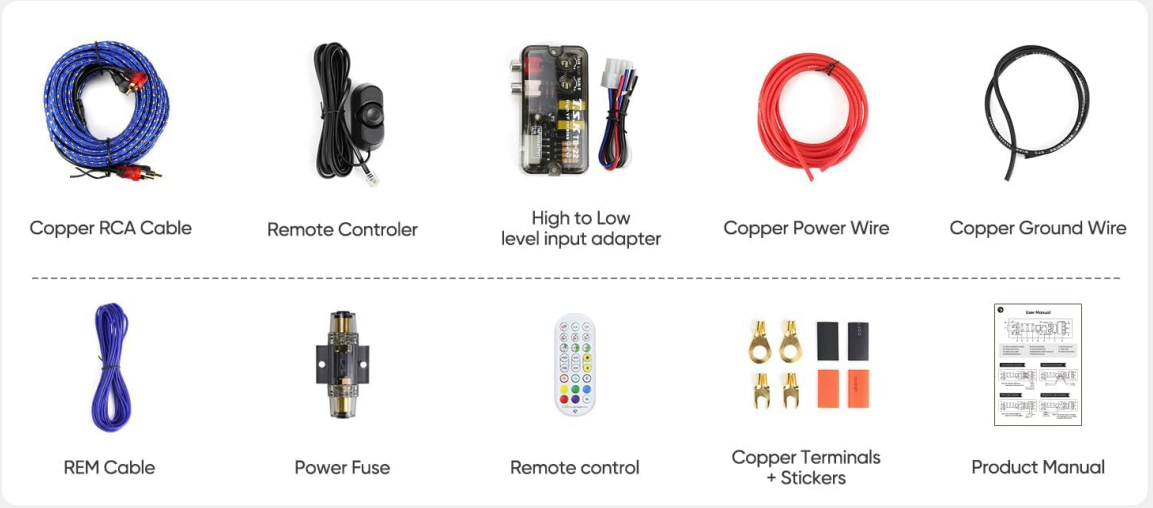

Image: A detailed view of all components included with the subwoofer, such as cables, remote, and adapters.

Setup and Installation

Proper installation is crucial for optimal performance and safety. It is recommended to have this unit installed by a professional car audio technician. If you choose to install it yourself, please follow these steps carefully.

Installation Video Guide

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Video: A step-by-step guide demonstrating the installation of the AINAVITO subwoofer in a vehicle.

Step-by-Step Installation Instructions

1. **Remove and Unplug Factory Car Stereo:** Carefully remove your vehicle's existing car stereo unit and unplug all connected wires.
2. **Test Speakers:** Use a multimeter and a small battery to test the speakers and identify the correct wiring.

3. **Connect TSK TD-22 Converter:** Locate the wiring for the front door speakers. Connect a TSK TD-22 converter to these wires. The wiring from left to right on the converter should correspond to L+ L- R+ 12V GND REM.
4. **Splice with T-connector:** Utilize a T-connector to splice into the existing power and speaker wires, ensuring secure connections.
5. **Plug in RCA and REM Wire:** Plug in the RCA cable to the converter and connect the blue REM (remote turn-on) wire.
6. **Route RCA and REM Wires:** Feed the RCA and blue REM wires from the head unit area under the passenger seat to the intended subwoofer location.
7. **Route Power Wire:** Feed the red power wire from the engine compartment (connected to the battery) to under the passenger seat.
8. **Ground Black Wire:** Ground the black wire to a clean metal screw located under the seat for a secure electrical connection.
9. **Hide Cables:** Route all wires neatly under the front seats and hide all cables to ensure a clean and safe installation.
10. **Connect All Cables to Subwoofer:** Connect all the prepared cables to the subwoofer's input terminals as shown in the video. Ensure all connections are tight and secure.
11. **Connect Red Wire to Battery:** Connect the red power wire to the battery's positive terminal. Ensure an inline fuse is installed close to the battery for protection.
12. **Plug in Subwoofer Controller:** Plug in the wired subwoofer controller and test its functionality.
13. **Adjust Subwoofer Settings:** Adjust the subwoofer's settings (Phase, Low Pass, Bass Boost, Input Gain) to your liking for optimal sound. ***Caveat:*** *The [POWER GREEN] light should turn blue when the subwoofer is working. If it doesn't, just press the [AUTO POWER ON] button.*
14. **Final Placement:** For a clean and discreet installation, place the device under the passenger seat and adjust the seat cushion to conceal it.



Image: The slim design of the subwoofer allows for flexible placement, such as under the car seat or in the trunk.

Operating the Subwoofer

Once installed, your AINAVITO subwoofer is ready to deliver powerful bass. Here's how to operate its key features:

Bass Control

The built-in 800W peak/300W RMS amplifier provides robust audio output. Use the wired remote control to adjust the following settings:

- **LPF (Low Pass Filter):** Adjust the frequency range from 50-150Hz to control which low frequencies are sent to the subwoofer.
- **Bass Boost:** Increase the bass output from 0-12dB for a more pronounced low-end response.
- **Gain Control:** Adjust the input sensitivity to match the output of your car stereo, preventing distortion and ensuring clear sound.

Dynamic LED Ambient Light

The subwoofer features a 2025-upgraded skull grille guard with pulsating Colorful LEDs. These LEDs

can sync to your ignition for a cyber-style ambiance. You can choose between a steady glow or a beat-driven mode to customize your cabin's vibe.



Image: Illustration of the subwoofer's multi-color mood lighting selection, controllable via a remote or app.

Maintenance

To ensure the longevity and optimal performance of your AINAVITO subwoofer, follow these simple maintenance guidelines:

- **Regular Cleaning:** Periodically wipe down the exterior of the subwoofer with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Check Connections:** Every few months, inspect all wiring connections (power, ground, RCA, remote) to ensure they are secure and free from corrosion. Loose connections can lead to poor performance or damage.
- **Avoid Extreme Conditions:** While the unit is IPX4-rated against dust/humidity, avoid exposing it to excessive moisture, direct sunlight for prolonged periods, or extreme temperatures.
- **Ventilation:** Ensure the subwoofer has adequate ventilation around it, especially if installed under a seat, to prevent overheating.

Troubleshooting

If you encounter any issues with your AINAVITO subwoofer, please refer to the following common troubleshooting tips before contacting support:

- **No Power:**
  - Check the power wire connection at the battery and the subwoofer.
  - Verify the ground wire is securely connected to a clean metal surface.
  - Inspect the inline fuse near the battery; replace if blown.
  - Ensure the remote turn-on wire (blue REM wire) is properly connected and receiving power from the head unit.
- **No Sound:**
  - Confirm the RCA cables are securely connected at both the head unit and the subwoofer.
  - Check the input gain setting on the subwoofer; it might be set too low.
  - Ensure the head unit's subwoofer output is enabled and volume is up.
  - If using high-level inputs, verify speaker wire connections are correct.
- **Distorted Sound:**
  - Adjust the input gain setting on the subwoofer; it might be set too high.
  - Check the Low Pass Filter (LPF) setting; adjust it to prevent higher frequencies from distorting the bass.
  - Reduce the Bass Boost if it's causing distortion.
  - Ensure the subwoofer is not physically obstructed or vibrating against other components.

If these steps do not resolve the issue, please contact AINAVITO customer support for further assistance.

Specifications

Feature	Detail
Mounting Type	Under Seat Mount
Material	Aluminum
Model Name	CX-100C
Speaker Type	Subwoofer
Special Feature	Bass Boost, LED Light, Noise Cancelling
Recommended Uses	For Surround Sound Systems
Compatible Devices	iPhone (implies general smartphone compatibility for app control)
Unit Count	1.0 Count

Feature	Detail
Controller Type	Remote Control
Color	Colorful LED Ambient Light
Product Dimensions	2.7"D x 13.5"W x 10.2"H
Item Weight	10.65 pounds (4.84 Kilograms)
Impedance	4 Ohm
Is Waterproof	FALSE (Note: IPX4-rated against dust/humidity, not fully waterproof)
Maximum Range	10.2 Inches
Number of Items	1
Control Method	Remote
Wireless Communication Technology	Bluetooth
Speaker Size	10 Inches
Power Source	Corded Electric
Vehicle Service Type	Bus, Car, Truck
Audio Driver Type	Dynamic Driver
Audio Driver Size	10 Inches
Subwoofer Connectivity Technology	Wired
Connectivity Protocol	wired
Specific Uses For Product	Pro Audio
UPC	760762575429
Style	Unique Skull Design subwoofer
Manufacturer	AINAVITO
Speaker Maximum Output Power	800 Watts
Frequency Response	20Hz-500Hz (Corrected from 500Hz based on feature bullets)
Connectivity Technology	Auxiliary, RCA, USB
Audio Output Mode	Mono

Warranty and Support

Warranty Information

The AINAVITO CX-100C subwoofer comes with a **6-Month Replacement** warranty. This ensures that if any issues arise within the first six months due to manufacturing defects, a replacement will be provided.

Professional Support

AINAVITO is committed to providing professional engineering guidance and support. If you have any questions related to the product use, setting, or installation, dedicated product support is available to help you solve your problems.
You can seek help via your order center or by contacting AINAVITO directly:

- **Hotline:** +1 1888 502 7557
- **Working Hours:** 3:00 PM to 12:00 PM PST
- **Email:** info@ainavito.com



Image: AINAVITO offers professional customer support for product inquiries and assistance.

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