

STINGER MC1S10A

STINGER Single 10" 700 Watt (RMS) Loaded Car Audio Subwoofer Enclosure

Model: MC1S10A

1. INTRODUCTION

Thank you for choosing the STINGER Single 10" 700 Watt (RMS) Loaded Car Audio Subwoofer Enclosure. This product is designed to deliver powerful and clear bass, enhancing your in-car audio experience. This manual provides important information regarding the safe installation, operation, and maintenance of your new subwoofer enclosure. Please read it thoroughly before use and retain it for future reference.



Figure 1: STINGER Single 10" Loaded Subwoofer Enclosure

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product and your vehicle:

- Ensure the vehicle's battery is disconnected before installation to prevent electrical shorts.
- Mount the subwoofer enclosure securely to prevent it from shifting during vehicle movement, which could cause injury or damage.
- Do not expose the subwoofer to excessive moisture or extreme temperatures.
- Use appropriate gauge wiring for power, ground, and speaker connections to handle the power

output.

- Avoid operating the subwoofer at distortion levels, as this can cause permanent damage to the speaker.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- STINGER Single 10" Loaded Subwoofer Enclosure (MC1S10A)

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended to have this product installed by a professional car audio technician.

4.1 Placement Considerations

The MC1S10A subwoofer enclosure is designed for versatile placement within your vehicle's cargo area. It supports down-firing, front-facing, or rear-facing orientations to optimize bass performance based on your vehicle's acoustics and available space.



Figure 2: Subwoofer Placement Options



Figure 3: Front/Rear Firing Placement



Figure 4: Down Firing Placement

4.2 Wiring Connections

The enclosure features spring-loaded, high-quality push terminals for connecting to external amplifiers. Ensure correct polarity (+ to + and - to -) when connecting the subwoofer to your amplifier. Refer to your amplifier's manual for specific wiring diagrams and impedance matching.



Figure 5: Spring-Loaded Push Terminals

For optimal performance, ensure the amplifier's power output matches the subwoofer's RMS power handling (700 Watts RMS). The subwoofer is pre-wired for a 1 Ohm impedance.

Your browser does not support the video tag.

Video 1: Stinger Audio MC1 & DC2 Series Subwoofer Enclosures Overview. This video provides a visual overview of the Stinger Audio MC1 and DC2 series subwoofer enclosures, highlighting key features and design aspects.

5. OPERATING INSTRUCTIONS

Once properly installed and connected to a compatible amplifier, the subwoofer will operate as part of your car audio system. Adjust the amplifier's gain, crossover, and bass boost settings according to your preferences and the subwoofer's specifications to achieve the desired sound quality.

- **Gain Setting:** Start with the amplifier gain at its lowest setting and gradually increase it until the desired volume is reached without distortion.
- **Low-Pass Filter (LPF):** Set the LPF on your amplifier or head unit to filter out high frequencies from the subwoofer, typically between 80Hz and 120Hz, to ensure only bass frequencies are reproduced.
- **Subsonic Filter:** If available, set the subsonic filter to protect the subwoofer from playing frequencies below its resonant frequency, which can cause damage.

6. MAINTENANCE

The STINGER subwoofer enclosure requires minimal maintenance:

- Regularly inspect wiring connections to ensure they are secure and free from corrosion.
- Keep the enclosure clean by wiping it with a dry, soft cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure the enclosure is not exposed to direct sunlight for prolonged periods or extreme temperatures, which can degrade materials over time.

7. TROUBLESHOOTING

If you experience issues with your subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound	Loose wiring, amplifier off, incorrect settings, blown fuse.	Check all connections, ensure amplifier is powered on, verify head unit settings, inspect amplifier fuse.
Distorted Sound	Gain too high, incorrect crossover settings, damaged speaker.	Reduce amplifier gain, adjust LPF settings, inspect subwoofer cone for damage.
Weak Bass	Incorrect polarity, insufficient power, improper enclosure placement.	Verify speaker wire polarity, ensure amplifier provides adequate power, experiment with enclosure placement.

If the problem persists after attempting these solutions, contact STINGER customer support or a qualified car audio technician.

8. SPECIFICATIONS

Key technical specifications for the STINGER MC1S10A Subwoofer Enclosure:

Feature	Specification
Model Name	MC1S10A
Speaker Type	Subwoofer
Subwoofer Diameter	10 Inches
Impedance	1 Ohm
Speaker Maximum Output Power	1200 Watts (Peak)
RMS Rating	700 Watts
Frequency Response	30Hz - 250Hz
Sensitivity	82.5 dB
Product Dimensions (D x W x H)	39.25"D x 20.75"W x 18"H
Item Weight	42.4 pounds
Connectivity Technology	Spring-Posts (Wired)

Enhance your
audio experience
with top-performing
subwoofers.



MC1S10A



Impedance:	1 Ohm
Peak Power:	1200W
Frequency Response:	30Hz - 250Hz
Sensitivity:	82.5 dB

Figure 6: MC1S10A Specifications Overview

Peak Power Subwoofer Enclosure



38lbs



MC1S10A

Expertly Designed

for Optimal Sound Quality

Figure 7: MC1S10A Dimensions

9. WARRANTY AND SUPPORT


STINGER products are designed and manufactured to the highest quality standards. This product comes with a limited warranty. For detailed warranty information, please refer to the warranty card included with your product or visit the official STINGER website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact STINGER customer service through their official channels.

Online Support: Visit the STINGER website for FAQs, support articles, and contact information.



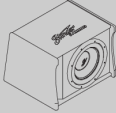
Phone Support: Refer to your product packaging or the STINGER website for customer service phone numbers.

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Documents - STINGER – MC1S10A



MC1S10A
SINGLE 10-INCH PORTED
SUBWOOFER ENCLOSURE



FEATURES / SPECS

Woofer Size	10"
Speakers Per Box	1
Frequency Response	35Hz - 250Hz
Sensitivity	82.5 dB
Enclosure Type	2x4x4 R-Rail
Enclosure Material	2.5" 14GSP
Finish	Black Carpet
Width	16.5"
Height	12"
Depth 1 (Bottom)	16.2"
Depth 2 (Top)	12.2"
Weight	38 lbs
Connector Type	Spring posts
RMS Power	750W
Peak Power	1500W
Impedance	1Ω
Tuning Frequency	60Hz

INSTALLATION TIPS

- Speaker Wire: 16-2 Gauge
- Amp/Rtr: 750-1500 Watts / 1 ohm Stable
- Subwoofer Efficiency should be 82dB or greater
- Ensure the speaker wires are connected correctly: Positive (+) Positive (+) Negative (-) Negative (-)
- The enclosure can be placed with the speaker facing forward, backward, upward or downward. To best position in the vehicle, which direction sounds best in the vehicle.
- Once positioned, the enclosure should be properly anchored.

[\[pdf\]](#) Quick Start Guide Specifications

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BLACK RED FROM AMPLIFIER NEGATIVE - POSITIVE **MC1S10A** SINGLE 10-INCH PORTED SUBWOOFER ENCLOSURE FEATURES / SPECS Woofer Size Speakers Per Box Frequency Response Sensitivity Enclosure Type Enclosure Material Finish Width Height Depth 1 Bottom Depth 2 Top Weight Connector Type RMS Power...

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