


MAC-AUDIO-108-Series-A-ICE-CUBE-product



MAC AUDIO 108 Series A ICE CUBE Owner's Manual

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MAC AUDIO 108 Series A ICE CUBE



We congratulate you on acquiring this MAC AUDIO Car HiFi Product.

Please read these instructions carefully so as to ensure optimum and disturbance-free functioning of the appliance. Technical modifications reserved.

IMPORTANT INFORMATION TO BE HEEDED BEFORE INSTALLATION

- This device is only suitable for connection to a 12-volt system with negative earth.
- Ensure that the input/output cables are far enough away from the power supply cables, as this can otherwise lead to interference.
- Make sure that the fuse and controls are accessible after installation.
- The performance and reliability of the system depend on the quality of the installation. The system should therefore be installed by a professional where several speakers or a complex multi-channel system are involved.

POSITIONING AND SECURING THE SUBWOOFER

Place the subwoofer in a position where adequate ventilation of the amplifier module is guaranteed. Make sure it rests on an even surface. The cones and the bass reflex opening should not be placed directly against the car's interior walls

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Make sure that the subwoofer is secured in such a way that it cannot slip or slide. Damage resulting from sudden speed changes (e.g. hard braking) is not covered under the terms of our guarantee. Use the securing device supplied for this purpose.

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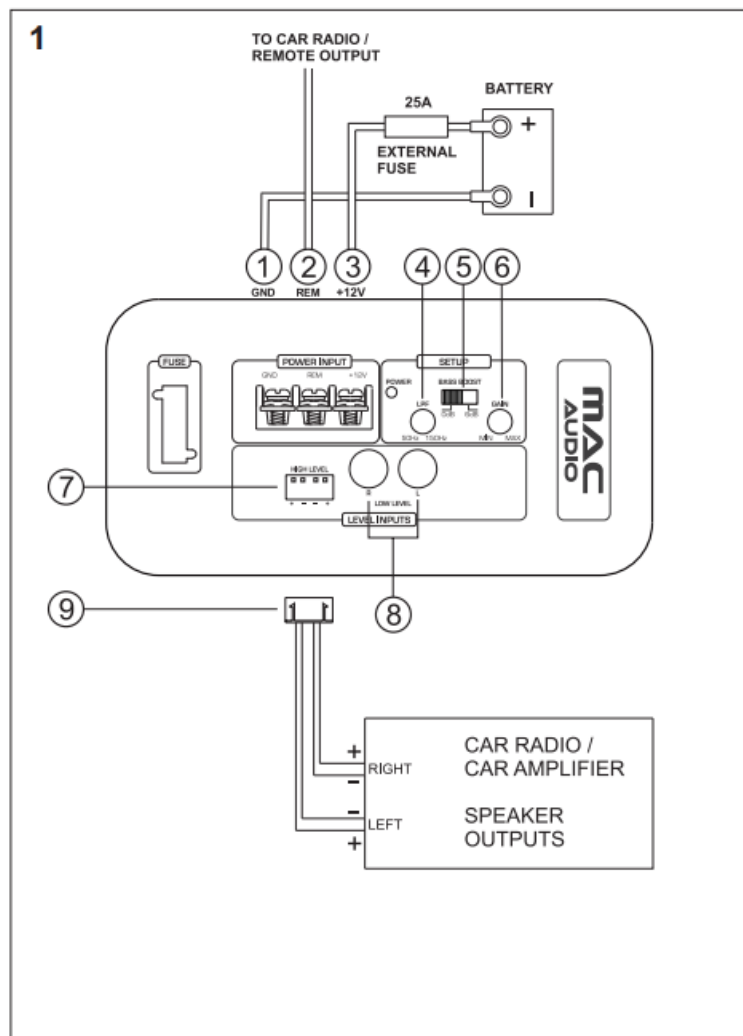
POSITIONING AND SECURING

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CONNECTING TO THE POWER SUPPLY (Figure 1)



Before installation: Remove the positive terminal from the car battery first in order to avoid short-circuiting.

Standard car wiring is normally not sufficient for the power requirement of the integrated amplifier. Make sure that the wiring to the earth and +12V is of the correct gauge. 6 mm² cable is the minimum requirement for the connection from the battery to the amplifier terminals (for long cable runs over 4 meters, 10 mm² gauge cable should be used). First, make the connection between the amplifier's earth terminal (1) and the negative terminal on the battery. To ensure a good connection, any residual dirt should first be carefully removed from the battery terminals. A loose connection can result in malfunction or interference noise and distortions. A power cable with an integrated fuse is then connected between the +12V (3) terminal on the amplifier and the battery's positive terminal. An additional fuse should be positioned at a maximum distance of 60 cm from the car battery. This is only to be inserted once all the installation work, including the connecting of the speakers, has been completed. Now connect the car radio's +12v remote control cable (P-con, Power Antenna, or similar) to the REM (2) control socket on the amplifier. A 0.75 mm² gauge cable is sufficient for this REMOTE connection.

NF CABLE

When fitting the audio cable in the vehicle between the car radio's cinch output and the cinch input on the amplifier, it should be ensured that the audio and power supply cables are, as far as possible, not laid on the same side of the car. It is better to install these far apart from each other, i.e. the power cable in the left cable duct and the audio cable in the right cable duct or vice versa. This reduces the feed-through of interferences to the audio signal.

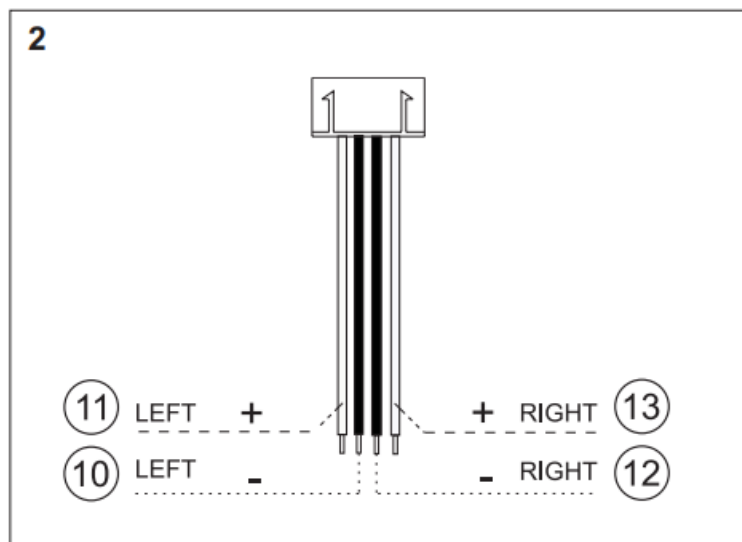
LOW-LEVEL OPERATION OF THE ACTIVE SUBWOOFER

The LINE INPUT (8) of the active subwoofer is used here. The LINE output or low-level subwoofer output of the car radio is connected to the LINE INPUT (8) of the active subwoofer using an RCA cable. The high level input (7) is not used.

HIGH-LEVEL OPERATION OF THE ACTIVE SUBWOOFER

The stereo high-level input (7) of the active subwoofer and the supplied adapter (9) are used here. The black cables of the adapter are connected to the negative terminals of the speaker outputs. Please observe the correct polarity! The active subwoofer can be connected to an amplifier or to the speaker outputs of a car radio. The low-level inputs (8) are not used.

CABLE CONNECTIONS OF THE HIGH-LEVEL ADAPTER (FIGURE 2)



- (10) Negative terminal, left
- (11) Positive terminal, left
- (12) Negative terminal, right
- (13) Positive terminal, right

SETTING THE INPUT RESPONSE

The input response can be adjusted to any car radio. Turn the volume control of your radio to the medium setting and then set the input level control (6) in such a way as to produce a medium, average volume. This setting normally ensures sufficient power reserves at an optimum noise voltage interval.

Warning: Reproduce loud test signals for a short time only so as to avoid damage to the speakers.

LOW-PASS FILTER

Set the desired transfer frequency on the low-pass filter control (4). The filter should be adjusted to the sound requirements inside the audio system. The filter's edge steepness ensures the precise lowering of medium and high-frequency ranges.

BASS-BOOST

The bass-boost function (5) is used to increase or equalize the lower bass frequencies.

TECHNICAL DATA

- **Power output:**
- **Input response:**

- **Max:** 400 W
- **RMS:** 150 W
- **Low Level:** 100 mV Stereo / 200 mV Mono
- **High Level:** 2.5 V
- 28 – 150 Hz
- **Low Level:** 10 kΩ
- **High Level:** 25 kΩ
- **Dimensions (LxHxP):** 370 x 280 x 275 / 315 mm 11 kg

Congratulations! You have made a wise selection in becoming the owner of MAC AUDIO HiFi equipment. Due to high quality MAC AUDIO HiFi products have earned an excellent reputation through the Western world. And this high quality standard enables us to grant a 2-years warranty for MAC AUDIO HiFi products.

The types of equipment are checked and tested continuously during the entire production process. In case you have problems with your MAC AUDIO HiFi equipment, kindly observe the following:

1. The guarantee period commences with the purchase of the component and is applicable only to the original owner.
2. During the guarantee period, we will rectify any defects due to faulty material or workmanship by replacing or repairing the defective part at our discretion. Further claims, and in particular those for price reduction, cancellation of sale, compensation for damages or subsequential damages, are excluded. The guarantee period is not altered by the fact that we have carried out guarantee work.
3. Unauthorized tampering with the equipment will invalidate this guarantee.
4. Consult your authorized dealer first, if guarantee service is needed. Should it prove necessary to return the component to the factory, please ensure that
 - the component is packed in original factory packing in good condition • the quality control card has been filled out and enclosed with the component
 - you enclose your receipt as proof of purchase.
5. Excluded from the guarantee are:
 - Illuminates
 - Wear parts
 - Shipping damages, either readily apparent or concealed (claims for such damages must be lodged immediately with the forwarding agent, the railway express office or the post office).
 - Scratches in cases, metal components, front panels, etc. (You must notify your dealer directly of such defects within three days of purchase.)
 - Defects caused by incorrect installation or connection, by operation errors (see operating instructions), by overloading or by an external force.
 - types of equipment that have been repaired incorrectly or modified or where the case has been opened by persons other than us.
 - Consequential damages to other equipment.
 - Reimbursement of costs, without our prior consent, when repairing damages by third parties.

WARRANTY CARD

GARANTIEKARTE WARRANTY CARD	
Typ/Type	
Serien-Nr./Serial-No.	
<div></div> <div>Name und Anschrift des Händlers/Stempel Name and address of the dealer/stamp</div>	
Käufer/Customer	
Name/Name	
Straße/Street	
PLZ, Ort/City	
Land/Country	
Kaufdatum/buying date	
Nur gültig in Verbindung mit Ihrer Kaufquittung! No warranty without receipt!	

At the end of the product's useful life, please dispose of it at appropriate collection points provided in your country.

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Documents / Resources

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References

- [User Manual](#)

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