

MBQ[®]
MAKE THE BEST OF EVERY SOUND



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www.mbqaudio.com

SW-152
LW-152
Spare Wheel Active Subwoofer

USER MANUAL

INTRODUCTION

Thank you for choosing a MBQ® spare wheel active subwoofer for your mobile sound system. This active subwoofer system utilizes the existing spare wheel well without taking up the space too much in your trunk and it can be simply and invisibly installed via the provided plug and play harness.

This subwoofer allows you to maintain an original looking trunk, while having an awesome sound.

Content

- 1 Spare tire active subwoofer SW-152 / LW-152
- 1 Set of Plug and Play wire harness
- 1 Remote control
- 1 M8 x 200mm / M8 x 160mm Screw with nut
(To fixed the spare tire subwoofer in the stock spare wheel location)
- 1 M8 x 120mm Screw with nut
(To fixed the spare tire subwoofer in the stock spare wheel location)
- 1 Cable holder bar
- 1 User's manual
- 1 Fastener
- 1 Fastener instruction manual
- 1 130cm x 2.5cm fixing strap
- 1 Fixing strap instruction manual

Highlights

- Rigid sealed cast aluminum enclosure
- Plug and Play connection system, easy to hook up
- Aluminum speaker cone
- Easy installation and removal
- Built-in peak power 380Watts amplification
- Completely hidden installation and out of sight
- Remote control provided for volume control, low-pass control and phase switch.
- Automatic switch-on (The SW-152's / LW-152's Speaker-Level input and RCA Input will sense voltage automatically on the speaker wires and the SW-152 / LW-152 will switches itself on if a music signal is received. If there is no more music signal, the SW-152 / LW-152 automatically switches off.)

SPECIFICATION

Model	SW-152	LW-152
Supply Voltage	14.4V D.C.	14.4V D.C.
Peak Power	380 Watts	380 Watts
Enclosure	Sealed	Sealed
Impedance	2.2Ω+2.2Ω (Dual Speakers)	
Frequency Response	40Hz-150Hz	50Hz-150Hz
Variable crossover frequencies	50Hz-100Hz	50Hz-100Hz
Sensitivity	92dB	92dB
Input Level	Speaker and RCA level inputs	
Fuse	10A	10A
Phase	0/180°	0/180°
Speaker Size	Dual 5.3x8.4 inches woofers (214.5mmx135mm)	
Net Weight	7.3Kg	7.0Kg

INSTALLATION GUIDE

We strongly suggest you have the active subwoofer professionally installed, but if you are doing it solo this section lists the procedures you'll need to install the subwoofer in your vehicle.

Warning

Continuous listening at high sound level (above 110dB) can durably damage your hearing.

Listening above 130dB can damage your hearing permanently.

Note

This subwoofer maybe installed only in the spare wheel well, and it is designed to fit inside an above 15-inches rim spare tire.

INSTALLATION PROCEDURE

1. First thing make sure this subwoofer can fit into your spare tire well.
2. Empty the trunk of the vehicle.

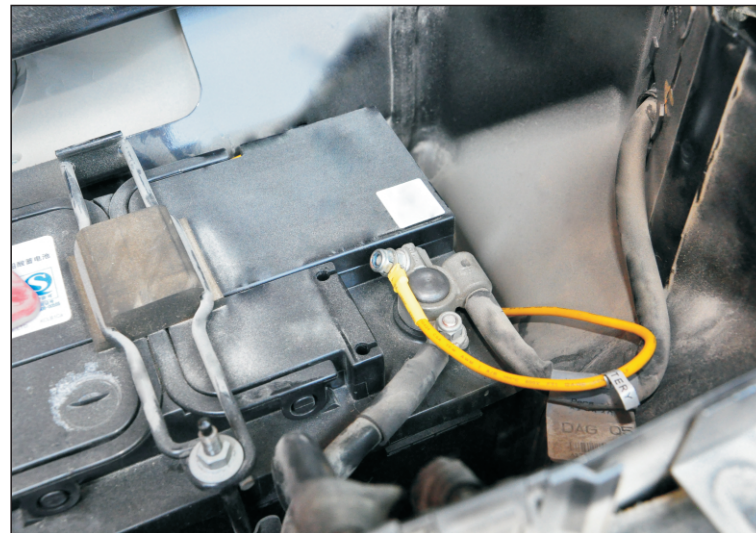


3. Removed the trunk flooring and foam pad to get the spare tire.
[Note: Depending the model of your car, it may be necessary to turn over the spare tire upside-down.]



INSTALLATION PROCEDURE

4. Run the provided power/positive cable (Yellow wire) to get the power from your vehicle's battery. [connect the power cable to the positive pole of the battery]



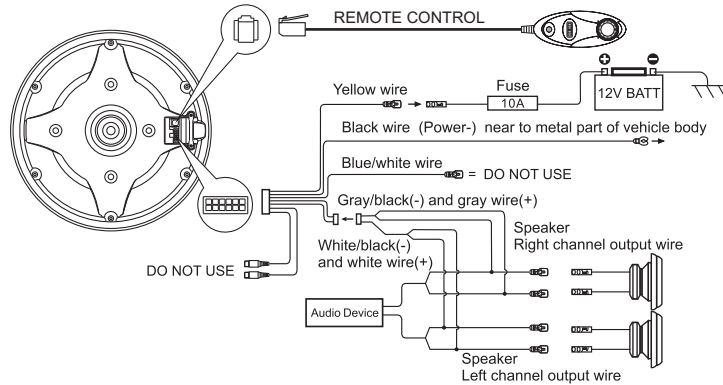
5. Connect the ground/negative cable (Black wire) to any solid metal grounding point of your vehicle body.



INSTALLATION PROCEDURE

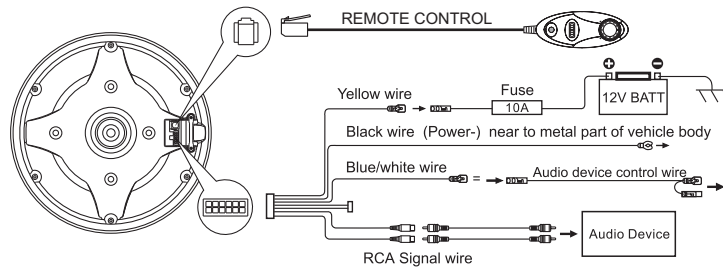
6. Use the supplied cable and wire harness and connect the outputs properly as shown in the High-Level or Low-Level inputs wiring diagram as following. Use only one of the audio inputs, otherwise, it may lead to audio interference.

① Wiring Diagram1 (High level input)



With control via the High Level Inputs, first the speaker harness will need to be spliced the wire side of the splitter. Then connect the white wire to the left(+), white/black wire to the left(-)[it can be identified whether the left or right channel via the attached harness label], grey to the right(+), and grey/black to the right(-) corresponding vehicle wires, and finally plug the supplied harness into the High-Level Inputs/power matching connector on the amplifier panel of the subwoofer.

② Wiring Diagram2 (Low level 'RCA' input)



With control via the Low Level Inputs [also referred to as RCA Inputs], connect the blue color remote wire from the SW-152 / LW-152 to the vehicle's head unit so SW-152 / LW-152 will turn on and off with systems.

INSTALLATION PROCEDURE

7. Attach the supplied remote control to the subwoofer independently. [When the power turns ON, the wired remote control illumination lights. If not, check the power connections, and try again.]

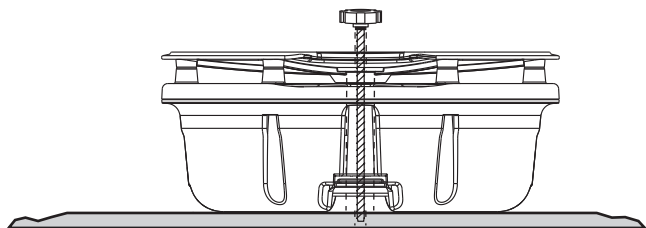


8. After the connection, place in the MBQ spare tire active subwoofer to the spare location, make sure to press down the subwoofer firmly.



INSTALLATION PROCEDURE

- Securely mount the subwoofer to chassis with the provided bolt.



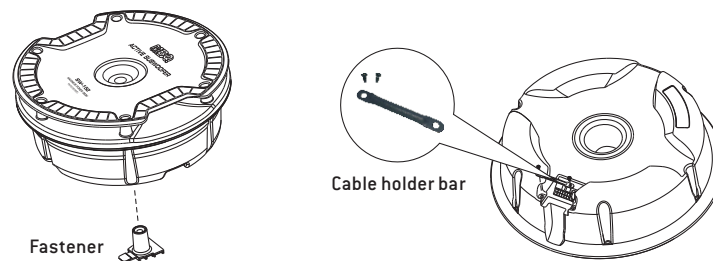
- Place the flooring back in place.



- Now you can enjoy your strongly improved sound system with MBQ upgrade spare wheel active subwoofer.

ACCESSORIES

- Fastener assemble direction has been enclosed.



VEHICLE TOOL ROLL BY MBQ (OPTIONAL)

This tool roll is a great way to carry your vehicle's tools. Provided with 4 slots for easy access and organization. Reinforced nylon canvas material for added durability and moisture protection. Lightweight and easy to hold automobile jack, wrench, foldable warning sign and other hand tools while letting you roll it up.



FOLD-UP VIEW



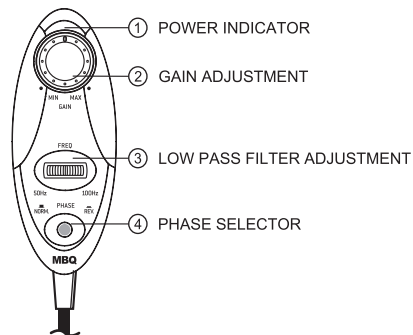
UNROLLED VIEW [Tools not included]

ADJUSTMENT

CAUTION

If there is distortion or you hear a popping sound from the subwoofer, the input level is too high.

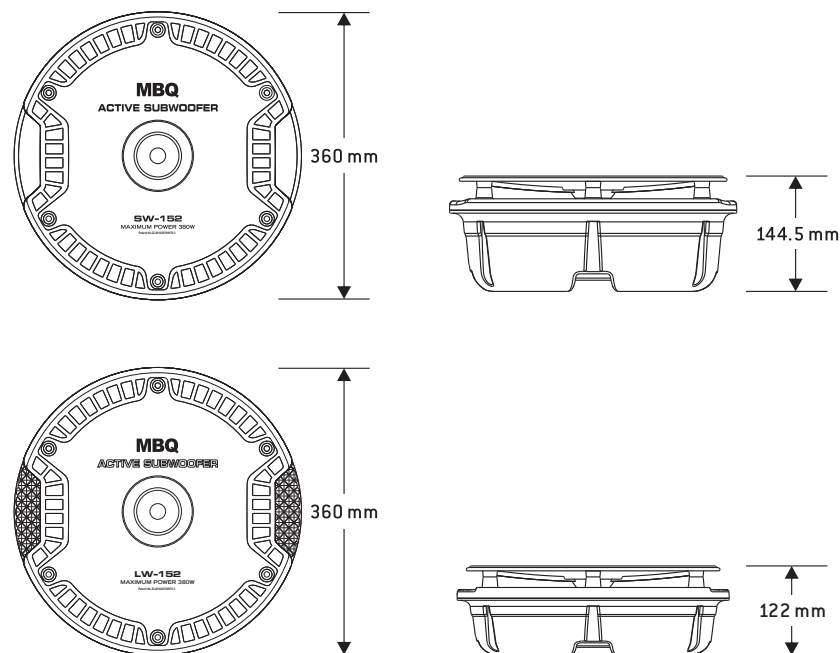
If the subwoofer has prolonged use in this condition, this may result in deterioration of performance or may cause damage to the subwoofer.



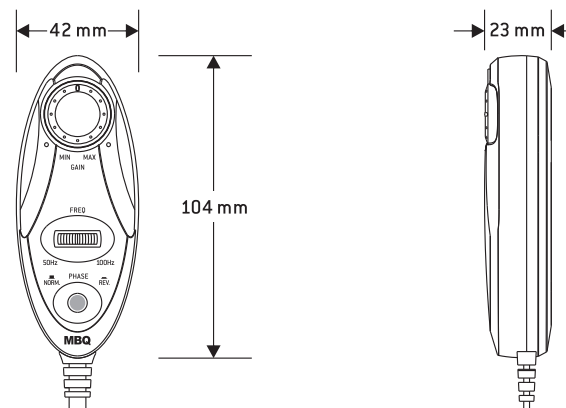
1. Set the gain to MIN, Phase to NORM, LPF to CENTER before swithing on the system.
2. Set the Bass/Treble adjustment to zero on the head unit. Set the volume to your average listening level. It may help to use a music source that is familiar.
3. Next, gradually increase the gain level. Increase the level to the point where the sound of your system, as a whole, is balanced. If the gain level is set too high, the subwoofer may begin to distort. Distortion may also occur if the volume is set too high on the head unit. Check that the other speakers have not begun to distort, before proceeding with the adjustment, If the entire speaker system in the car is distorting, reduce the volume of the head unit.
4. Once the gain has been set, adjust the L.P.F[Low Pass Filter] at afrequency which compliments your speaker system. [We recommend using CENTER as a starting point.]
5. Adjusting the L.P.F will change the output volume of the subwoofer. Repeat procedures 3 and 4 until the ideal setting is found.
6. The final adjustment is the PHASE of the subwoofer. While sitting in the driver's seat and with music playing, switch between NORM and REV. Select the setting which sounds better - The ideal PHASE setting varies from car to car, depending on the locating of the subwoofer and the acoustic characteristics of the vehicle interior.

DIMENSION

● Spare tire subwoofer



● Remote control



Due to the continuous improvement of products, this manual are modified without prior notice.