



## **NBW1150A** User Manual



**11" SPARE WHEEL ACTIVE SUBWOOFER**

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## PRODUCT INTRODUCTION

Thank you for choosing our spare wheel active subwoofer for your mobile sound system. This active subwoofer system utilizes the existing spare wheel, without taking up too much space in your trunk and it can be simply installed via the provided plug and play harness. This subwoofer allows you to maintain an original looking trunk, while having an awesome sound.

## ACCESSORIES LIST

1. Spare Wheel Active Subwoofer	1pc
2. Owner's Manual	2pcs
3. Screw With Nut (M8x205mm)	1pc
4. Plug And Play Wire Harness&Signal Line	1pc
5. Remote Control	1pc
6. Mounting base	1pc
7. 20A Fuse	1pc
8. screw	2pc

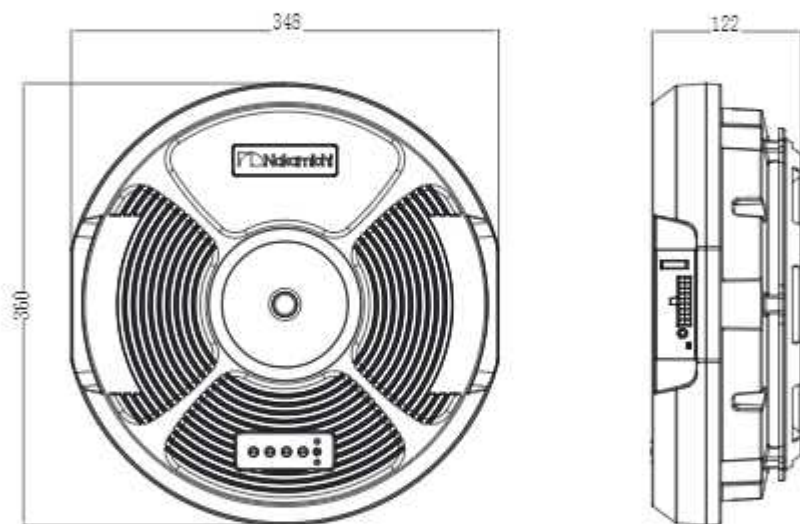
## PRODUCT FEATURES

- 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 1000 Watts amplifier.
- Completely hidden installation and out of sight.
- Remote control provided for volume control.
- Automatic switch-on ( The subwoofer's speaker-Level input and RCA input will sense voltage automatically on the speaker wires and the subwoofer will switches itself on if a music signal is received. If there is no more music signal, the subwoofer automatically switches off. )

## PRODUCT INFORMATION

Supply Voltage	14.4V DC	Variable HP Frequencies	20Hz - 50Hz
N-Power	120 watts	Sensitivity	92dB
Max Power	1000 watts	Input Level	Speaker and RCA Level Inputs
Enclosure	Sealed	Fuse	20A
Impedance	4 $\Omega$	Phase	0°/180°
Frequency Response	20Hz - 180Hz	Speaker Size	11" Woofer
Variable LP Frequencies	50Hz - 180Hz	Net Weight	Approx. 7.0 kg

## DIMENSIONS (UNIT: MM)



• Design and specifications are subject to change without notice.

## INSTALLATION GUIDE

We strongly suggest you have the active subwoofer professionally installed, to achieve best results. Please read manual for more understanding.

### ▲ WARNING

- Continuous listening at high sound level (above 110dB) can durably damage your hearing.
- Listening above 130dB can damage your hearing permanently.

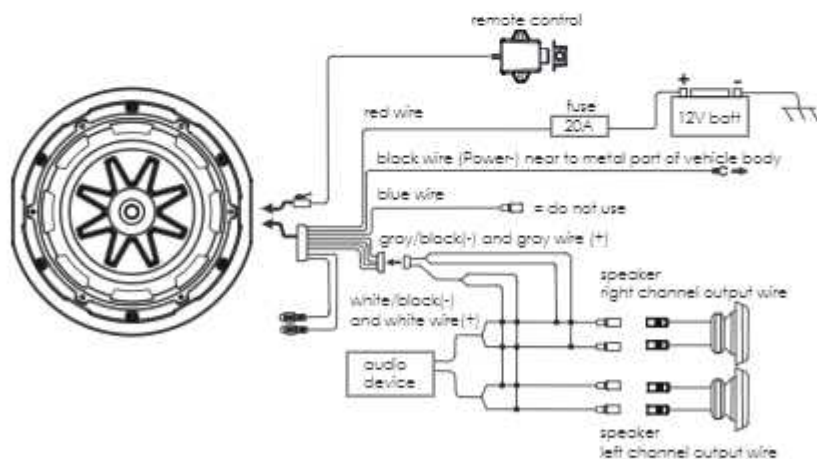
### NOTE

This subwoofer may be installed only in the spare wheel well, and it is designed to fit inside above 15 inches rim spare tires.

## INSTALLATION PROCEDURE

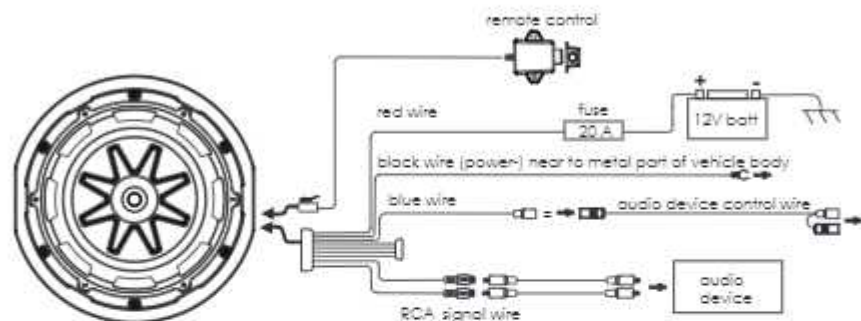
1. Use the supplied cable and wire harness and connect the outputs properly as shown in the High-Level & Low-Level inputs wiring diagram as following. Use only one of the audio inputs, otherwise, it may lead to audio interference.

### ① Wiring Diagram1 (High Level Input)



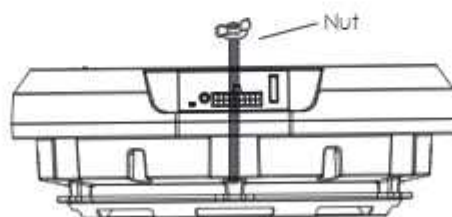
A. With control via the high level input, first the speaker harness will need to be spliced the wire side of the splitter. Then connect the white wire to the left (+), white/black wire to the left (-) (It can be identified whether the left or right channel via the attached harness label), grey to the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

② Wiring Diagram2 (Low Level 'RCA' Input)



B. With control via the low level input (also referred to as RCA input), connect the blue color remote wire from the subwoofer to the vehicle's head unit so subwoofer will turn on and off with systems.

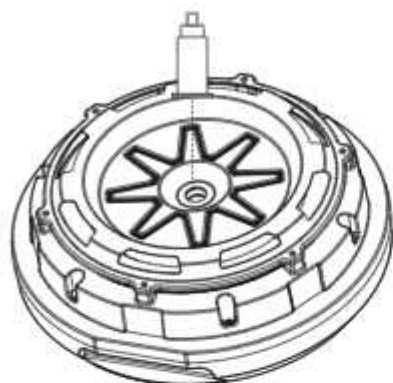
2. Securely mount the subwoofer to chassis with the provided bolt.



## ALIGNMENT PART

Using fix bolt and ABS Nut

1. Thoroughly clean the spare tire.
2. Replace the original spare fixing nut with supplied one.

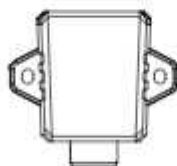


## ADJUSTMENT

### ▲ WARNING

- If there is distortion or a popping noise 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.

Remote Control



- ① Minimum volume
- ② Maximum volume



1. Before turning on the Wire controller, set it to MIN.
2. Set the BASS to 0, the PHASE to 0, and the volume to an appropriate level to help with familiar sound sources.
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 headunit. 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 a frequency 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.



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