

REAL-SOUND PROCESSOR

RSP-W1EX





music DD

Far beyond the past expressions of  
your audio system!!

You could find out the true REAL-SOUND with  
RSP-W1EX.

Read through this operation manual before use so you will know how to operate your model properly. After you have finished reading the manual, put it in a safe place for future reference.

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 <p><b>WARNING</b></p>	 <p><b>Do not disassemble or modify.</b></p>	<p>This can result in damage to this unit, accidents, and injuries.</p>
 <p><b>CAUTION</b></p>		<p><b>[Installation]</b></p> <ul style="list-style-type: none"> <li>● Do not place this unit on an unstable or beveled surface, as doing so may cause the unit to fall and cause damage or bodily injury.</li> <li>● Do not use this unit to output distorted sound for long periods of time. This unit's internal parts and the speaker may heat and it may pose a potential fire hazard.</li> <li>● Do not touch this unit's connection terminals with metallic objects other than the connection cord.</li> <li>● A short between the positive and the negative terminals may damage the amp being used.</li> <li>● Do not drop this unit or bang it against hard objects. This could result in damage to the unit.</li> <li>● Do not place, install or use this unit in places with extremely high temperatures, such as locations exposed to direct sunlight, near heating appliances, or in a car with all the windows closed.</li> <li>● Use with a maximum power input of 1 kW.</li> </ul> <p><b>[How to use]</b></p> <ul style="list-style-type: none"> <li>● Do not use this unit to output distorted sound for long periods of time. This unit's internal parts and the speaker may heat and it may pose a potential fire hazard.</li> <li>● Do not touch this unit's connection terminals with metallic objects other than the connection cord.</li> <li>● A short between the positive and the negative terminals may damage the amp being used.</li> <li>● Do not drop this unit or bang it against hard objects. This could result in damage to the unit.</li> <li>● Do not place, install or use this unit in places with extremely high temperatures, such as locations exposed to direct sunlight, near heating appliances, or in a car with all the windows closed.</li> <li>● Use with a maximum power input of 1 kW.</li> </ul> <p><b>[Installation]</b></p> <ul style="list-style-type: none"> <li>● When connecting this unit to other audio equipment, read carefully the instructions manual of each appliance, switch them off, and follow the given instructions.</li> <li>● Take great care when placing this unit on top of a speaker system or other equipment. If the connection cord is pulled, it could cause the unit to fall down during use.</li> <li>● If the unit gets dirty, wipe it clean with a soft cloth. Do not use thinners or benzine.</li> </ul>

**Getting Started**

● **Appearance**

This unit uses a wooden case made from naturally slow-dried Japanese walnut panels in order to maintain the high-quality parts in top condition. Please note, however, that one of the consequences of using natural wood with urethane coating finish is that no two pieces of wood have the same grain, and the wood's coloring may be uneven. In addition, the color of the wood will be darker over time.

## Features

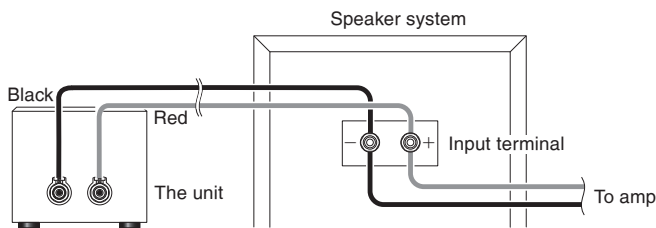
When playing back music on an audio device, there is generally always counter-electromotive force in the voice coil of the speaker unit, due to changes in amp output over time. This counter-electromotive force returns to the amp via the speaker cord, making it difficult to drive the speaker in accordance with the input signal. This unit absorbs counter-electromotive force, reducing fluctuations in speaker impedance, particularly in the low ranges. This makes it possible to drive the speaker more faithfully, improving speaker resolution and startup, and also reproduces opposing natural resonances, delivering realistic sound and rich musicality.

\* The effects will differ depending on your speaker system and the amp used with it.

## Connection

Connect the unit to your speaker system using speaker cords, as shown in the figure below.

- (1) Always turn off the amp's power before connection.
- (2) Connect a speaker cord to the unit's connection terminals. The red connection terminal is positive polarity (+), and the black one is negative (-).
- (3) Connect the speaker cords from the unit and the amp to the speaker system's input terminals. Be careful of the polarity.
- (4) After connecting the cords, make sure that the speaker cord is securely connected to each terminal.



\* If the connection is incomplete, then it will cause the audio to be choppy or contain static. When connecting the unit to the speaker terminals, make sure not to create a short between the red and black terminals. A short will prevent sound from coming out of the speakers, or may cause the amp's protection circuit to activate.

\* Banana plugs can be used with the unit's connection terminals.

### ■ Speaker systems with bi-wiring terminals

For both a single-wire connection and bi-wiring connection, connect the unit to your speaker system's low range input terminals. See steps (1) to (4) for instructions on how to connect the unit.

### ■ Installing the unit

Install the unit nearby your speaker system, and use the shortest speaker cords possible. If the speaker cords are too long, it could prevent the full functionality of the unit from being harnessed.

### Care and Maintenance

The surface of the unit is finished with urethane coating.

If the unit becomes very dirty, soak a soft cloth in a mixture of 5 or 6 parts water to 1 part neutral detergent, and after wringing well, wipe clean, and then wipe with a dry cloth. Note that contact with alcohol, thinner, benzene, insecticide, or similar substances could damage the surface. When using chemically treated cloths or the like, be sure to read the cautions carefully.

## Main Specifications

Compatible speaker impedance	Preferably 10 Ω or lower
Max amp output	Preferably 1 kW or lower
External dimensions	100 x 89 x 117 mm (WxHxD)
Weight Approx.	360 g
Package contents	2 units, 1 operation manual/warranty

\* These specifications and appearance are subject to change without notice.

## Warranty and After Sales Service

### ● About Warranty

Make sure that the name of your distributor and the date of purchase are written in the warranty. Read it carefully, and then keep it in a secure location. The warranty is valid for one year from the date of purchase.

### ● Malfunctions

If the product malfunctions in the course of normal use (use in accordance with the manual and safety precautions) during the warranty period, then we will repair the product free of charge. When you bring your product to the distributor for servicing, be sure to bring the warranty with you. See the guarantees in your warranty for details. We will repair malfunctions occurring after the warranty period has expired for a fee, in accordance with our servicing regulations.

**Please note that we cannot provide any warranty or bear any liability for damage to any equipment that is connected to the unit resulting from incorrect use.**

### Contact Information

#### SPEC CORPORATION

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## WARRANTY

RSP-W1EX Real Sound Processor

Name	Telephone
Address	
Date of Purchase	
Warranty Period (Unit Only)	
On Year	
Date of Purchase	

### Terms of Warranty

1. If this product malfunctions during use in accordance with the manual, and during the warranty period, then please bring the product and this warranty to the store where you purchased it. It will be repaired free of charge.
2. If you cannot ask the store where you purchased it for repairs (e.g. if you have moved or the product was a gift), please consult with SPEC CORPORATION.
3. A fee will be charged for repairs in the following circumstances, even if it is during the warranty period.
  - (A) The product malfunctioned or was damaged due to user error or unauthorized repair or modification
  - (B) The product malfunctioned or was damaged due to dropping, etc. after purchase
  - (C) The product malfunctioned or was damaged due to fire, flooding, lightning and other weather phenomena, pollution, salt damage, or the like
  - (D) The product malfunctioned or was damaged due to other than normal use, such as long hours of continuous commercial use
  - (E) The main unit has been disassembled
  - (F) The text of the warranty has been changed or overwritten
  - (G) The malfunction was caused by another company's product
4. This warranty cannot be re-issued. Store it in a safe place, and do not lose it.

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