

**aiwa**<sup>®</sup>

Japan est1951

Multifunctional Speaker

**aiwa**<sup>®</sup>

Designed in Japan

アイワ株式会社

[www.int-aiwa.com](http://www.int-aiwa.com)

**SS-X300DSP PRO**  
**SS-X400DSP PRO**

User Manual

Please read this manual carefully before operating the product and keep it for future reference.  
All images in this manual are for reference only. Actual product may differ from the images.



## Troubleshooting Guide

If you encounter any problems, please check one by one according to the following troubleshooting checklist. If the problem still cannot be solved, please consult your local authorized AIWA distributor/customer service center. Details of the troubleshooting checklist are as follows:

Symptom	Possible causes	Disposal method
<b>Power on but no sound.</b>	1. No input of audio source. 2. The main volume is at the minimum position.	1. Connect the audio source. 2. Adjust the main volume appropriately.
<b>Distortion</b>	1. The main volume adjustment is excessive. 2. The speaker unit may have been damaged.	1. Turn down the main volume. 2. Check whether the speaker unit is damaged. If damaged, contact your local authorized AIWA distributor/customer service center.
<b>No sound for Microphone</b>	1. The microphone is not connected properly. 2. The microphone is not turned on. 3. The microphone volume is at the minimum position. 4. The batteries of the wireless microphone is insufficient.	1. Connect the microphone in place. 2. Turn on the microphone. 3. Adjust the microphone volume appropriately. 4. Replace the batteries of the wireless microphone.
<b>No sound for USB input</b>	1. The format of the songs in the USB is wrong. 2. Improper operation causes program confusion. 3. The USB format is wrong.	1. Convert the songs to a supported format. 2. Reboot the product. 3. Formatting the USB into FAT 32 format on the computer.
<b>The playing time is too short after fully charged or it can only be used when the adapter is connected</b>	1. The battery is damaged. 2. The battery cable is loose/broken. 3. The product is not fully charged.	1&2. Contact your local authorized AIWA distributor/customer service center. 3. Fully charge the product.
<b>No response</b>	1. The system crashes.	1. Reboot the product.



## Dear users

Thank you for your love for our company's products. In order to obtain the best performance of this product and give full play to all the functions provided by this product, please read this manual carefully before operating this product and keep it for future reference. Contact your local authorized AIWA distributor/customer service center should you need any assistance.

The company seeks to ensure the accuracy of the product functions and features described in this manual but does not assume responsibility for any errors, omissions or differences between this manual and the product.

The contents with "\*" in this manual are optional functions.

## Features

This product can be used with any device with audio output, such as PCs, DVDs, VCDs, CDs, MP3s, radios, and electronic pianos.

The amplifier circuits are all designed with high performance and high fidelity, and are equipped with professional high-quality speakers to enable the sound field to be positioned clearly and with distinct layers.

The product has an outstanding sound effect, featuring surging and shocking bass, strong and bright mediant, clear and pleasant treble.

The use of professional high-capacity battery as well as specific power capacitor makes the power reserve larger surplus, more stable and higher SNR.

## Precautions

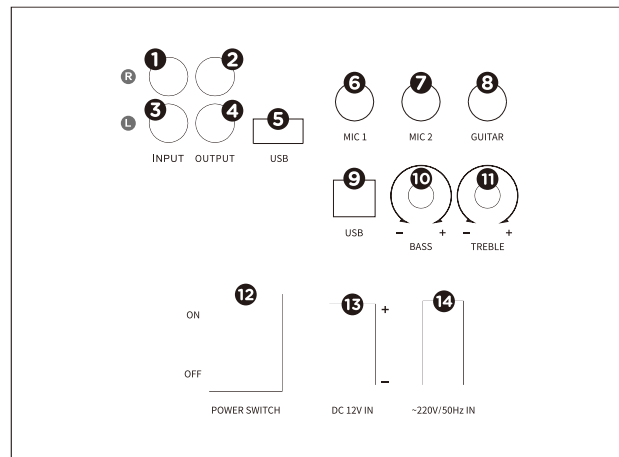
- Do not attempt to disassemble, repair or alter this product for any reason, otherwise it may cause complete damage to the product. For repairs, please contact your local authorized AIWA distributor/customer service center.
- The power cord shall not be squeezed, pulled, bent, knotted, hung with heavy objects or trampled on to prevent the insulation layer from being damaged and causing electric shock!
- Please do not let the product get wet, and it is strictly forbidden to place liquids and flammable materials around this product to avoid risks, such as electric shock, fire and explosion.
- Do not block the heat dissipation holes, otherwise it will cause insufficient heat dissipation and affect the performance and life of the product!
- If there is a sudden smoke or other abnormal phenomenon when using this product, please quickly unplug the product and stop using it. Contact the local authorized AIWA distributor/customer service center for repairs.
- If this product is not used for a long time, please unplug the product to prevent burning caused by lightning. Charge the product first before you use it next time.
- There is a risk of explosion if the battery is not replaced properly. Only replace the battery with the same type or equivalent type.

## Main Technical Specifications

Specifications Model	Power consumption	Sensitivity	Signal to noise ratio	Frequency response	Power supply
SS-X300DSP PRO	≤200W	600±30mV	≥71dB	50Hz-18KHz	AC 110V-220V 60Hz-50Hz
SS-X400DSP PRO	≤250W	550±30mV	≥71dB	30Hz-18KHz	

This product will be continuously improved. The specifications and functions are subject to change without prior notice.

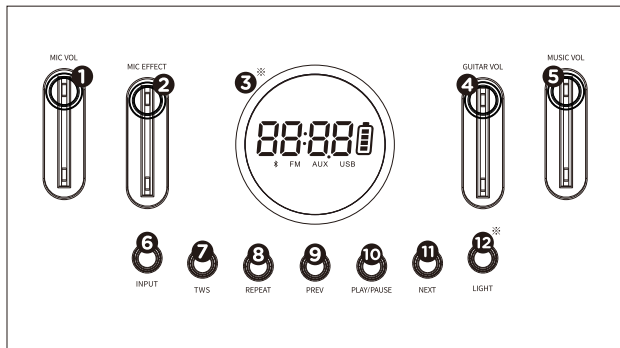
## Function Description of Rear Panel



- Right channel audio input
- Right channel audio output
- Left channel audio input
- Left channel audio output
- USB input
- Microphone 1 input
- Microphone 2 input

- Guitar input
- USB (type-B) input
- Bass volume
- Treble volume
- Power switch
- DC 12V input
- Power input

## Function Description of Control Panel



- |                      |                       |
|----------------------|-----------------------|
| 1. Microphone volume | 7. TWS connection     |
| 2. Microphone effect | 8. Loop play          |
| 3. Display screen    | 9. Previous track     |
| 4. Guitar volume     | 10. Play/Pause        |
| 5. Music volume      | 11. Next track        |
| 6. Input selection   | 12. Light mode switch |

※3: The ICONS at the bottom are in sequence of Bluetooth/Radio/AUX/USB states.

※12: Press this button to turn on/switch the colored light mode. Press and hold to turn off the light mode.

## Function Description:

### ● Description and Precautions of Bluetooth\*

In the power-on state, press INPUT selection button to switch to the Bluetooth mode.

Use a Bluetooth device (such as a mobile phone) to scan and search for this product and connect for pairing. If the pairing fails, please reboot the Bluetooth device or the product and try pairing again.

In order to ensure the continuous stability of the Bluetooth signal, please try to keep the product and the Bluetooth device free of obstacles or disturbances.

This product supports Bluetooth mobile devices such as iPad, iPhone and Samsung (5.0+EDR version) to transmit audio in a wireless way.

The Bluetooth of this product has an unobstructed operation range of 10 meters.

### ● Instructions for operation of TWS connection :

Both A and B speaker channels to be set in the Bluetooth mode. If the A speaker is used as the master speaker, please press the TWS button on the remote control or the control panel to turn on the TWS connection function, and the display screen will display "L5". When the B speaker receives the signal and is successfully connected, it will display "SLRU". After the TWS is successfully connected, it can be played through Bluetooth, USB or Aux input and achieve stereo playback for both speakers. The master speaker is in the left channel and the other speaker is the right channel. Press the TWS button again to cancel the TWS connection.

Note: Only compatible with the same speaker model.

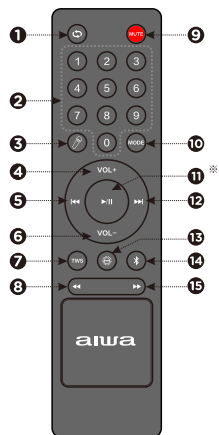
### ●Charging Instructions

Please use the original power cord and connect to 220V/50Hz voltage to charge the product. The charging time should be 4 to 8 hours. After fully charged, the power supply should be unplugged. Over charging will cause battery damage.

Battery level indicator: There is a battery indicator icon on the display screen. When the battery level is low, the entire battery indicator icon will flash. Please charge it in time. When charging, the battery indicator icon will flash. After the flashing stops, the battery should continue to be charged for 1 to 2 hours, which can extend the battery life.

Note: If the battery is undervoltage, please fully charge it within 24 hours. If the product is not used for a long time, a certain amount of battery level must be maintained otherwise the battery will be damaged!

## Function Description of Remote Control

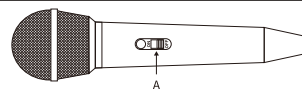


1. Loop mode
2. Track number
3. Microphone priority
4. Volume +
5. Previous track
6. Volume -
7. TWS connection
8. Fast rewind
9. Mute mode
10. Input selection
11. Play/Pause
12. Next track
13. Light mode switch
14. Bluetooth mode
15. Fast forward

※11: When the product is in FM mode, press and hold this button for automatic searching.

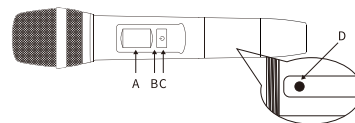
- The remote control should be operated within the range of about 6 meters and 30 degrees in front of the remote control receiving window.
- When operating the remote control, you should aim the remote control at the remote control receiving window of the product and there should be no obstacles between the remote control and the product.
- If the remote control receiving window is in a strong light illumination position, the remote control function may fail. In this case, please remove the product to prevent the remote control receiving window from being directly illuminated by strong light.
- Avoid mixing old batteries with new ones and check whether the remote control battery needs to be replaced regularly.

## Function Description of Microphone \*



### Wired microphone\*

A: Power on/off



### Frequency matching wireless microphone \*

A: Display screen  
B: Signal transmitting area  
C: Power on/off  
D: Frequency setting

#### Turn on/off the microphone:

Press the power button (C) to turn on the microphone. Press and hold the button to turn off the microphone.

#### Microphone working status:

When the microphone is on, the display screen shows current channel and battery level. The microphone will automatically enter mute mode after 10 seconds of standby.

#### Frequency adjustment operation:

Press and hold SET button (D), after the display screen shows "SEL", release the button and press it to switch channels.

#### Frequency matching operation:

In the microphone power-on state, press and hold the SET button (D), release it after the display screen shows "SEL". The frequency matching completes when the display screen shows "----".

#### ID identification:

Press and hold the power button (C) and the SET button (D) simultaneously to identify the microphone ID within 1 meter from the product. After this operation, it will not be interfered by other microphones.

#### ● Precautions for use

Avoid the receiving antenna being close to obstacles such as metal surfaces and walls. The performance and the receiving effect will be affected if it is too close. The effective operation distance of the wireless microphone is within 30 meters. In order not to affect the performance, please do not use it outside the effective operation range. When the battery level is insufficient or the environmental radio interference is too strong, the operation range will be shortened.

Do not use wireless microphones with the same frequency at the same time within a short distance, otherwise it will cause no sound or disturbance sound.

Do not place the wireless microphone too close to devices with strong interference frequencies such as VCDs/DVDs while using, so as to avoid mutual interference between the same frequencies and affect the performance.