

Sanyun Sanyun SW102

Sanyun SW102 Computer Speakers User Manual

Model: Sanyun SW102 | Brand: Sanyun

1. INTRODUCTION

Welcome to the user manual for your new Sanyun SW102 Computer Speakers. These speakers are designed to provide acoustic quality stereo sound in a compact form factor, ideal for desktops, laptops, and other multimedia devices. This manual provides essential information on setup, operation, troubleshooting, and maintenance to ensure optimal performance and longevity of your speakers.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Simple Elliptical Structure:** Features metal and high-quality plastics for stability, with a black and silvery color scheme and a blue oval lamp ring, showcasing metal curved lines.
- **Superb Sound Quality:** Delivers outstanding bass quality for its size, with built-in bass diaphragm, closed cavity, and low-frequency aid design for strong bass performance.
- **360 Degree Stereo Sound:** 2.0 Channel stereo speakers designed for optimal stereo effect when properly separated.
- **Wide Applicability:** High-quality cable and independent drive-by-wire design ensure stable sound transmission and convenient control. Compatible with most music players via 3.5mm audio interface and powered by USB.
- **Plug and Play:** Simple operation; just connect the USB cable for power and the 3.5mm jack for audio.

2.2 What's in the Box

- Sanyun SW102 Speakers (2 units)
- User Manual

2.3 Product Visuals



Front view of the Sanyun SW102 Computer Speakers, highlighting their compact design and illuminated blue base.



The Sanyun SW102 speakers shown with their integrated USB power cable and 3.5mm audio jack.



Illustration detailing the simple elliptical structure and stable metal base of the speakers, designed for clear sound without vibration.



A diagram illustrating the wide compatibility of the speakers, connecting to power banks, laptops, adapters, MP3 players, phones, tablets, and CD players via USB and 3.5mm interface.



Detailed dimensions of the Sanyun SW102 speakers (10cm W x 7cm D x 7.5cm H) and cable lengths, demonstrating their compact size.



The Sanyun SW102 speakers positioned on either side of a laptop, illustrating a typical setup for enjoying stereo sound.



The Sanyun SW102 speakers set up with a desktop computer, showcasing their integration into a typical home office or entertainment environment.

3. SPECIFICATIONS

Feature	Detail
Product Net Weight	520g (1.15 pounds)
Dimensions (W x D x H)	10 x 7 x 7.5 cm (3.94"D x 2.75"W x 2.95"H)
RMS Power	5W x 2 (Total 10 Watts)
Channel	2.0 Stereo

Feature	Detail
Speaker Unit	40MMx2 + Diaphragm X2 (40mm Audio Driver Size)
Frequency Response	30Hz – 20KHz
Signal-to-Noise Ratio (S/N Ratio)	> 60dB
Separation	> 40dB
Power Supply	5V USB (Corded Electric)
Interface	3.5mm audio interface for Audio, USB-A for Power
Material	Metal, Plastic
Compatible Devices	Computer, Desktop, Laptop, Monitor, PC, Smartphones or Tablets with 3.5mm
Mounting Type	Plug and Play
Control Method	Touch (referring to the inline volume control)
Water Resistance Level	Waterproof (Note: This might be a misclassification in the source data, typically speakers are not fully waterproof unless specified for outdoor/marine use. User should exercise caution.)

4. SETUP GUIDE

4.1 Connecting Your Speakers

- Power Connection:** Locate the USB-A cable integrated with your speakers. Plug this USB cable into an available USB port on your computer, laptop, or a 5V USB charger (ensure the charger provides at least 1A for optimal performance). The speakers are powered via this USB connection.
- Audio Connection:** Locate the 3.5mm audio jack integrated with your speakers. Plug this 3.5mm jack into the audio output port (headphone jack) of your computer, laptop, smartphone, tablet, or other audio device.
- Placement for Optimal Stereo Sound:** For the best stereo effect, position the two speakers separated by approximately 1 meter (3.3 feet). Ideally, the listening position (you) should also be approximately 1 meter from each speaker, forming an equilateral triangle. This setup helps achieve a balanced and immersive audio experience.

The Sanyun SW102 speakers are designed for "Plug and Play" operation, meaning no additional drivers are typically required for most operating systems.

5. OPERATING INSTRUCTIONS

5.1 Adjusting Volume

- The Sanyun SW102 speakers feature an independent wire control for convenient volume adjustment. Locate the small control unit on the speaker cable.
- Rotate the dial on the wire control to increase or decrease the volume.

- You can also control the volume directly from your connected device (computer, laptop, smartphone, etc.) for fine-tuning.

5.2 Power On/Off

- The speakers power on automatically when the USB cable is connected to a powered USB port. The blue LED light at the base of the speakers indicates they are powered on.
- To turn off the speakers, simply disconnect the USB power cable from the source. Note that the blue lights cannot be independently switched off while the speakers are powered.

6. TROUBLESHOOTING

If you encounter any issues with your Sanyun SW102 speakers, please refer to the common problems and solutions below:

6.1 Sound Distortion or Low Volume

Possible Cause: Insufficient power supply to the speakers. Some computer USB interfaces may provide less than 1A of current, which can be inadequate for the speakers' power requirements.

Solution: Try connecting the USB power cable to an alternative power source, such as a 5V wall charger, ensuring the current output is greater than 1A. This will provide sufficient power for optimal sound.

6.2 Continuous Noise

Possible Cause: Interference from the computer's power system. When both the audio and power cords are connected, the speaker may receive current signals from the computer that generate noise, especially if the computer's power system is not specifically designed to handle this.

Solution: Ensure your computer's audio drivers are up to date. If the issue persists, try connecting the speakers to a different USB port or a separate 5V wall charger (as mentioned above) to isolate the power source from the computer's internal power system.

6.3 Less or No Bass

Possible Cause 1: Underpowered speakers. Similar to low volume, insufficient power can affect bass performance.

Solution 1: Verify the power supply is adequate (5V, >1A) by trying a different USB power source like a wall charger.

Possible Cause 2: Bass diaphragm damage during transportation.

Solution 2: If the speakers are new and the bass is significantly lacking despite adequate power, the bass diaphragm may be damaged. In this case, please contact Sanyun customer support for assistance.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the speakers. Do not use liquid cleaners or aerosols directly on the speakers.
- **Storage:** When not in use for extended periods, store the speakers in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the speakers or subjecting them to strong impacts, as this can damage internal components.
- **Water Exposure:** While the product specifications mention "Waterproof", it is generally advisable to protect electronic devices from excessive moisture. Avoid submerging the speakers or exposing them to heavy splashes to ensure longevity.

8. WARRANTY AND SUPPORT

Your Sanyun SW102 Computer Speakers come with a Limited Warranty. For specific details regarding the warranty period and coverage, please refer to the warranty information provided at the time of purchase or contact Sanyun customer support.

Sanyun is dedicated to providing the best products and after-sales service. If you encounter any problems that are not resolved by the troubleshooting steps in this manual, or if you require further assistance, please do not hesitate to contact Sanyun directly. Our professional laboratory and technical personnel are available to assist you and protect your rights and interests.

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