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NEOHIPO SA20

NEOHIPO SA20 Stereo Receiver & Amplifier Instruction Manual

Brand: NEOHIPO

Model: SA20 (D9-CA-SA20115)

1. Introduction

Thank you for choosing the NEOHIPO SA20 Stereo Receiver & Amplifier. This manual provides essential information for the safe and efficient operation of your new home audio system. Please read it thoroughly before use and keep it for future reference.

What's in the Box?

- NEOHIPO SA20 Amplifier Unit x1
- Remote Control x1
- User Manual x1

Figure 1: Package Contents. This image displays the NEOHIPO SA20 amplifier, a remote control, and the user manual, which are included in the product package.

2. Product Overview

The NEOHIPO SA20 is a compact yet powerful 2.1 channel stereo receiver and amplifier designed for various home audio applications. It features Bluetooth 5.0 for wireless streaming, multiple input options, and comprehensive sound controls.

Front Panel Controls

Product Detail

Figure 2: Front and Rear Panel Layout. This image illustrates the various controls and connection ports on both the front and rear panels of the NEOHIPO SA20 amplifier.

- **Power Switch:** Turns the unit ON or OFF.
- **USB/SD Socket:** For playing media from USB drives or SD cards.
- **Player Control Buttons:** (MODE, BT, STOP, CH-, AUTO, CH+) For media playback and FM radio tuning.
- **Master Volume Control:** Adjusts the overall output volume.
- **Microphone Inputs (MIC1, MIC2):** 1/4 inch jacks for connecting microphones.
- **MIC Volume:** Adjusts the volume of the connected microphones.
- **Echo:** Controls the echo effect for microphones.
- **Balance:** Adjusts the left/right channel balance.
- **Bass:** Adjusts the low-frequency audio output.
- **Treble:** Adjusts the high-frequency audio output.
- **Input Selector:** Rotary knob to select audio input source (CD/AUX, DVD, MP3/BT).

Rear Panel Connections

- **FM Antenna:** Connection for FM radio antenna.
- **Audio Input (DVD, CD):** RCA stereo inputs for external audio devices.

- **Output (Line Out):** RCA stereo output for connecting to other audio equipment.
- **Speaker Output (L+R 4-8Ω Horns-Speakers):** Binding posts for connecting passive speakers.
- **Power Cable:** Connects the unit to an AC power outlet.

3. Setup Guide

3.1 Connecting Speakers

The SA20 amplifier supports a 2.1 channel setup, allowing connection of two passive speakers and one active subwoofer or speaker.

1. Ensure the amplifier is turned OFF and unplugged from the power outlet.
2. Connect your passive speakers to the "SPEAKER OUTPUT" binding posts on the rear panel. Match the positive (+) terminal of the amplifier to the positive (+) terminal of the speaker, and the negative (-) to the negative (-).
3. For a 2.1 channel setup, connect an active subwoofer or speaker to the "RCA OUT" port on the rear panel.

Figure 3: 2.1 Channel Speaker Connection. This image shows the amplifier connected to two passive speakers and an active subwoofer, demonstrating a 2.1 channel audio setup.

3.2 Connecting Audio Sources

The SA20 offers multiple ways to connect your audio devices:

- **RCA Inputs (DVD, CD):** Use RCA cables to connect devices like DVD players, CD players, or other audio sources to the corresponding "AUDIO INPUT" ports on the rear panel.
- **USB/SD Card:** Insert a USB flash drive or SD card (up to 64GB) into the front panel slots for direct media playback.
- **Bluetooth 5.0:** For wireless connection with smartphones, tablets, or other Bluetooth-enabled devices.
- **FM Radio:** Connect the FM antenna to the "FM ANTENNA" port on the rear panel for radio reception.
- **Microphones:** Plug 1/4 inch microphones into the "MIC1" or "MIC2" jacks on the front panel.

Figure 4: Wide Application and Connectivity. This image illustrates how various devices, including phones, TVs, CD players, subwoofers, and passive speakers, can be connected to the NEOHIPO SA20 amplifier.

3.3 Power Connection

After all audio connections are made, plug the power cable into the "POWER INPUT" on the rear panel and then into a suitable AC power outlet.

4. Operating Instructions

4.1 Power On/Off

Press the **Power Switch** on the front panel to turn the amplifier ON or OFF. The display will illuminate when the unit is powered on.

4.2 Input Source Selection

Rotate the **Input Selector** knob on the front panel to choose your desired audio source (CD/AUX, DVD, MP3/BT). For USB/SD or Bluetooth, you can also use the "MODE" button.

4.3 Volume and Tone Control

- **Master Volume:** Use the large **Master Volume Control** knob to adjust the overall sound level.
- **Bass/Treble:** Adjust the **Bass** and **Treble** knobs to customize the low and high frequencies of your audio.
- **Balance:** Use the **Balance** knob to adjust the audio distribution between left and right channels.

4.4 Bluetooth Pairing

1. Select "MP3/BT" as the input source using the Input Selector or "MODE" button until "BLUE" appears on the display.
2. On your Bluetooth-enabled device (e.g., smartphone), search for available devices and select "SA20" to pair.
3. Once paired, you can stream audio wirelessly to the amplifier. The Bluetooth 5.0 ensures a stable connection within 40 feet (10 meters).

Figure 5: Bluetooth 5.0 Wireless Connection. This image shows the amplifier in Bluetooth mode, ready for wireless audio streaming from a device like a smartphone, highlighting its 10m maximum distance.

4.5 USB/SD Card Playback

Insert a USB flash drive or SD card (up to 64GB) into the respective slots on the front panel. The amplifier will automatically switch to USB/SD mode and begin playback. Use the Player Control buttons (CH-, AUTO, CH+) to navigate tracks.

4.6 Microphone and Karaoke Function

Connect up to two microphones to the "MIC1" and "MIC2" inputs. Use the **MIC Volume** knob to adjust microphone levels and the **Echo** knob to add a reverberation effect for karaoke.

Figure 6: Microphone Input and Controls. This image highlights the dual microphone inputs and dedicated controls for microphone volume, echo, bass, and treble, ideal for karaoke or public address.

4.7 Remote Control Operation

The included remote control allows for convenient adjustment of various functions from a distance, including power, input selection, volume, and track navigation.

5. Key Features

- **Compact & Powerful:** Delivers 500W+500W peak power (76W+76W rated) in a compact design.
- **2.1 Channel Output:** Supports two passive speakers and one active subwoofer for enhanced audio.
- **Bluetooth 5.0 Connectivity:** Stable wireless audio streaming up to 10 meters.
- **Multiple Input Sources:** RCA (DVD, CD), USB, SD card, FM radio, and dual microphone inputs.
- **Comprehensive Audio Controls:** Adjustable Master Volume, MIC Volume, Echo, Bass, Treble, and Balance.
- **Karaoke Functionality:** Dual microphone inputs with echo control for singing.
- **Remote Control:** Full-function remote for convenient operation.

Figure 7: Max Output Power and Sound Quality. This image emphasizes the amplifier's powerful 500W x 2 output and its ability to produce natural, strong, and delicate sound.

6. Troubleshooting

Problem	Possible Cause	Solution
No power	Power cable not connected; Power switch off; Outlet malfunction.	Ensure power cable is securely plugged in. Turn power switch ON. Test outlet with another device.
No sound output	Incorrect input source selected; Volume too low; Speaker wires loose/incorrectly connected; Mute activated.	Select correct input source. Increase Master Volume. Check speaker wire connections. Ensure unit is not muted.
Bluetooth not connecting	Amplifier not in Bluetooth mode; Device too far; Device already connected to another unit.	Switch amplifier to "BLUE" mode. Move device closer to amplifier. Disconnect device from other Bluetooth units.
Microphone not working	Microphone not plugged in; MIC Volume too low; Microphone faulty.	Ensure microphone is fully plugged into MIC1/MIC2. Increase MIC Volume. Test with another microphone if available.
Sound distortion	Volume too high; Input signal too strong; Speaker impedance mismatch.	Lower Master Volume. Reduce input signal level from source device. Ensure speakers match 4-8Ω impedance.

7. Specifications

Feature	Detail
Brand	NEOHIPO
Model Number	D9-CA-SA20115
Product Dimensions	21D x 20W x 9.5H Centimetres
Item Weight	700 Grams
Output Power	1000 Watts (Peak), 76W+76W (Rated)
Surround Sound Channel Configuration	2.1
Connectivity Technology	Bluetooth 5.0, DAC, RCA
Compatible Devices	Speakers, Subwoofer, Smartphone, Tablet, iPad, iPhone, Computer
Input Interfaces	1*RCA IN, 2*Microphone IN, 1*USB IN, 1*SD card slot IN, 1*BT 5.0/FM radio antenna IN
Output Interfaces	1*RCA OUT (for 2.1 channel subwoofer), Speaker Outputs
Control Method	Remote, Manual Knobs

8. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings on the unit are not blocked to prevent overheating.
- **Storage:** If not in use for an extended period, unplug the unit and store it in a cool, dry place.
- **Avoid Moisture:** Keep the amplifier away from water, excessive humidity, and direct sunlight.

9. Warranty & Support

The NEOHIPO SA20 Stereo Receiver & Amplifier comes with a **1-Year Trade-In Warranty**. For any service or support inquiries, please refer to the manufacturer's contact information or consult qualified service personnel.
Manufacturer: Neohipo
Manufacturer Contact Information: NEOHIPO

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