

Switchcraft SC600

Switchcraft SC600 Dual Adapter Box User Manual

Model: SC600

1. INTRODUCTION

The Switchcraft SC600 Dual Adapter Box is a versatile audio tool designed for professionals and enthusiasts. It consolidates various commonly used audio adapters into a single, robust unit, simplifying audio connections and signal management.

Each side of the SC600 operates independently, allowing it to function as a universal adapter or a passive audio splitter. This design eliminates the need for multiple individual adapters, streamlining your setup and reducing clutter.

The unit features a comprehensive array of audio jacks on each side, including one 1/8" TRS jack, one 1/4" TRS jack, two 1/4" TS jacks, and two RCA jacks. This flexibility allows for adaptation between a wide range of audio devices and configurations.

2. KEY FEATURES

- **Dual Independent Panels:** Each side of the unit features a complete set of audio jacks, including 1/8" stereo, 1/4" stereo, two 1/4" mono, and two RCA connections.
- **Adaptation and Splitting:** Capable of adapting various audio connections or passively splitting a single audio signal to up to three different devices simultaneously.
- **Streamlined Design:** Offers a sleek and uncluttered solution for complex audio routing needs.
- **Durable Construction:** Built with an all-metal chassis for enhanced durability and reliability in professional environments.



Figure 2.1: Top-front view of the Switchcraft SC600 Dual Adapter Box, highlighting its robust construction and diverse input/output jacks.

3. SETUP GUIDE

The SC600 is designed for plug-and-play operation. No external power is required as it functions as a passive device.

3.1 Connecting as an Adapter

1. Identify the input and output connection types required for your audio devices.
2. Connect the source device's audio output to the corresponding jack on one side of the SC600. Any jack can serve as an input.
3. Connect the destination device's audio input to the desired jack on the same side of the SC600. Any jack can serve as an output.
4. Ensure all connections are secure.

Example: To connect a device with a 1/8" stereo output to a mixer with 1/4" stereo input, plug the 1/8" cable into the 1/8" jack on the SC600, and then connect a 1/4" stereo cable from the 1/4" TRS jack on the SC600 to your mixer.

3.2 Connecting as a Passive Splitter

1. Connect the audio source's output to any input jack on one side of the SC600.
2. Connect up to three destination devices to the remaining output jacks on the **same side** of the SC600.
3. Verify that all cables are correctly inserted and secure.

Example: To split a laptop's 1/8" stereo output to a pair of 1/4" mono inputs and a pair of RCA inputs, connect the laptop to the 1/8" jack. Then, connect two 1/4" TS cables to the 1/4" mono jacks and two RCA cables to the

RCA jacks on the same side of the SC600.



Figure 3.1: Side view of the Switchcraft SC600, illustrating the independent nature of Side A and Side B, and the "No Connection Between Sides" label.

4. OPERATING INSTRUCTIONS

The Switchcraft SC600 operates passively, meaning it does not require power and does not actively process the audio signal. It simply routes and adapts connections.

4.1 Independent Operation

The SC600 features two distinct sides, labeled "Side A" and "Side B". These sides are completely independent; there is no internal connection between them. This allows you to use each side for separate adaptation or splitting tasks simultaneously without interference.

4.2 Signal Flow

Any jack on a given side can function as an input or an output. When used as an adapter, the signal flows from the input jack to the output jack. When used as a splitter, the signal from the input jack is passively distributed to all other connected output jacks on that same side.

It is important to manage signal levels from your source devices, as the SC600 does not provide amplification or attenuation. Ensure that the output level of your source is appropriate for the input sensitivity of your destination devices to avoid distortion or low signal levels.

5. MAINTENANCE

The Switchcraft SC600 is designed for durability and requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the unit. Avoid using liquid cleaners or solvents, as

these may damage the finish or internal components.

- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Connections:** Periodically check all cable connections for wear and tear. Ensure jacks are free of dust and debris.

6. TROUBLESHOOTING

If you encounter issues with your SC600, consider the following troubleshooting steps:

- **No Audio Output:**
 - Ensure all cables are securely connected to both the SC600 and your audio devices.
 - Verify that the correct input and output jacks are being used on the SC600.
 - Check the volume levels on your source device and destination device.
 - Test cables individually to ensure they are not faulty.
- **Distorted or Low-Quality Audio:**
 - Confirm that you are using the appropriate cable types for your connections (e.g., stereo for stereo signals, mono for mono signals).
 - Reduce the output level of your source device if the audio is distorted.
 - Ensure that the impedance of your source and destination devices are compatible, though the passive nature of the SC600 generally minimizes impedance issues.
- **Interference or Noise:**
 - Ensure that the SC600 and connected cables are not placed near strong electromagnetic interference sources.
 - Use high-quality, shielded audio cables.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	SC600
Manufacturer	Switchcraft
Product Dimensions	7.35 x 3.95 x 2.85 inches
Item Weight	12.6 ounces
Connectivity	Per side: 1x 1/8" TRS, 1x 1/4" TRS, 2x 1/4" TS, 2x RCA
Operation	Passive (no power required)
Construction	All-metal chassis

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service for your Switchcraft SC600 Dual Adapter Box, please refer to the official Switchcraft website or contact their customer service department directly.

Contact details and warranty terms are subject to change and are best obtained from the manufacturer's official resources.

© 2023 Switchcraft. All rights reserved.