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Sound Town STPS-1028

Sound Town STPS-1028 Rack-Mountable AC Power Conditioner/Sequencer User Manual

Model: STPS-1028 | Brand: Sound Town

1. INTRODUCTION

The Sound Town STPS-1028 is a rack-mountable AC power conditioner and sequencer designed to provide stable power and sequential power-up/down for your audio and video equipment. It features 8 sequenced outlets, 2 always-on outlets, and a USB charging port, ensuring optimal protection and performance for your valuable gear in stage, studio, or home theater environments.

2. KEY FEATURES

- **8 Sequenced Outlets:** Provides controlled power-up and power-down sequencing to protect connected equipment from inrush current. Each outlet has an individual switch and indicator.
- **2 Always-On Outlets:** For devices requiring continuous power.
- **1 USB Charging Port:** Convenient charging for mobile devices.
- **Built-in Spike Protector:** Guards against voltage fluctuations and electrical surges.
- **EMI/RFI Filter:** Reduces electromagnetic and radio frequency interference for cleaner audio performance.
- **15 Amp Capacity:** Supports up to 15 amps of power for various studio and live rigs.
- **1U Rack-Mountable Design:** Space-efficient design for standard equipment racks.
- **Front LCD Display:** Provides real-time voltage data readout.
- **Robust Metal Chassis:** Durable construction for reliable use.

3. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage to the unit or connected equipment, please observe the following safety precautions:

- Read all instructions before operating the device.
- Do not expose the unit to rain or moisture.
- Do not remove the cover. Refer all servicing to qualified personnel.

- Ensure the power supply voltage matches the unit's requirements (120V for US version).
- Do not overload the unit beyond its 15-amp capacity.
- Keep the unit away from heat sources and direct sunlight.
- Ensure proper ventilation when rack-mounting.

4. PACKAGE CONTENTS

Verify that all items are present in the package:

- Sound Town STPS-1028 Power Conditioner/Sequencer
- Power Cable
- User Manual (this document)
- Rack Mount Ears and Screws

5. PRODUCT OVERVIEW



Figure 5.1: Front view of the Sound Town STPS-1028 Power Conditioner/Sequencer, showing the LCD voltage display, individual channel switches, always-on outlets, and USB port.



Figure 5.2: Rear view of the Sound Town STPS-1028, illustrating the 8 sequenced universal outlets and the main AC input.

5.1 Front Panel

- **LCD Display:** Shows real-time AC voltage.
- **Individual Channel Switches (Ch1-Ch8):** Controls power to each sequenced rear outlet.
- **Bypass Button:** Allows all sequenced outlets to power on/off simultaneously, bypassing the sequence.
- **Always-On Outlets:** Two unswitched outlets for constant power.
- **USB Charging Port:** 5V USB power output.
- **Main Power Switch:** Controls overall power to the unit.

5.2 Rear Panel

- **Sequenced Outlets (Ch1-Ch8):** Eight universal outlets for connecting equipment that requires sequential power.
- **AC Input:** Main power connection for the unit.

6. SETUP

- Unpacking:** Carefully remove the STPS-1028 from its packaging. Retain packaging for future transport or storage.
- Placement:** The unit can be placed on a flat surface or rack-mounted in a standard 1U rack space. Use the provided rack mount ears and screws for secure installation.
- Power Connection:** Connect the main power cable to the AC input on the rear panel of the STPS-1028 and then to a suitable wall outlet (120V for US models).
- Equipment Connection:**
 - Connect equipment that requires sequential power-up/down to the 8 sequenced outlets (Ch1-Ch8) on the rear panel.
 - Connect equipment that requires constant power to the 2 always-on outlets on the front panel.
 - Use the USB port on the front panel for charging compatible devices.

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Video 6.1: Demonstration of the power sequencing feature and individual channel control, showing how devices power on and off in sequence.

7. OPERATING INSTRUCTIONS

7.1 Powering On/Off Sequentially

- Ensure all equipment connected to the sequenced outlets is switched off.
- Press the main POWER switch on the front panel to turn on the unit. The LCD display will show the current voltage.
- The sequenced outlets (Ch1-Ch8) will power on in stages, allowing each piece of equipment to stabilize before the next powers on. Indicators for each channel will illuminate as they activate.
- To power off, press the main POWER switch again. The outlets will power down in reverse sequence.

7.2 Individual Channel Control

Each of the 8 sequenced outlets can be individually controlled using its corresponding switch on the front panel. This allows for manual power control of specific devices within the sequence.

7.3 Bypass Function

The BYPASS button on the front panel allows you to override the sequential power-up/down. Pressing this button will immediately switch on or off all 8 sequenced outlets simultaneously.

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Video 7.1: Overview of the power sequencing and safety features, including the automatic cut-off function in case of dangerous current.

8. MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- Ventilation:** Ensure that the ventilation openings on the unit are not blocked to prevent overheating.
- Cable Management:** Regularly check power cables for any signs of wear or damage. Replace damaged cables immediately.
- Fuse Replacement:** If the unit loses power, check the fuse. Replace with a fuse of the same type and rating if necessary. Refer to the specifications for fuse details.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	No power from wall outlet; main power cable disconnected; blown fuse.	Check wall outlet with another device; ensure power cable is securely connected; check and replace fuse if necessary.
Equipment connected to sequenced outlets does not power on.	Individual channel switch off; unit in power-down sequence; equipment not properly connected.	Ensure individual channel switch is on; wait for sequence to complete; verify equipment power cables are secure.
LCD display shows no voltage or incorrect reading.	Unit not receiving power; internal fault.	Check main power connection; if problem persists, contact customer support.
Excessive noise or interference in audio.	External electromagnetic/radio frequency interference.	Ensure proper grounding; check for nearby sources of interference; verify EMI/RFI filter is functioning.

10. SPECIFICATIONS

Feature	Detail
Model	STPS-1028
Outlets	8 Sequenced, 2 Always-On
USB Charging Port	1 (5V)
Max Current Capacity	15 Amps
Voltage Display	Front LCD
Form Factor	1U Rack-Mountable
Item Weight	8.53 pounds
Package Dimensions	21 x 12.4 x 4.5 inches
Date First Available	June 25, 2023

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or visit the official Sound Town website. Keep your proof of purchase for any warranty claims.

