Tascam DP-24SD

Tascam DP-24SD 24-Track Digital Portastudio Instruction Manual

Model: DP-24SD

1. Introduction

The Tascam DP-24SD is a comprehensive 24-track digital Portastudio designed for multi-track audio recording, mixing, and mastering. This standalone unit offers a complete production environment without requiring a computer, making it ideal for musicians and producers seeking a streamlined workflow. It features simultaneous 8-track recording, a color LCD screen, and a suite of built-in effects.

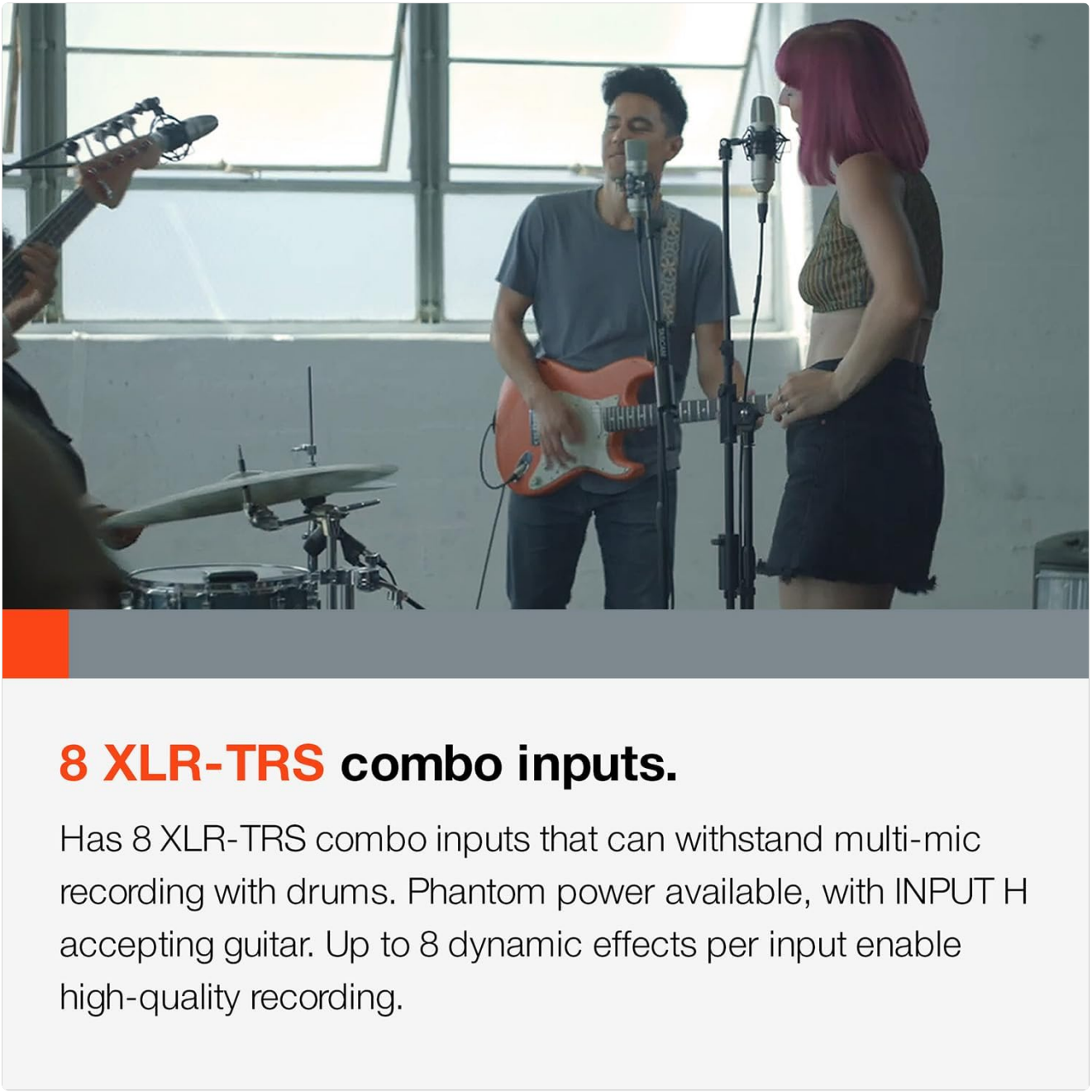


The Tascam DP-24SD 24-Track Digital Portastudio, a complete standalone recording solution.

2. Key Features Overview

The DP-24SD integrates essential studio tools into a single, user-friendly device. Key features include:

- **24-Track Recording:** Record up to 24 tracks to solid-state media.
- **8 Simultaneous Inputs:** Capture up to 8 audio sources simultaneously via XLR and 1/4" combo jacks.
- **Phantom Power:** +48V phantom power available on inputs for condenser microphones.
- **Built-in Effects:** Comprehensive effects including compression, limiting, guitar amp simulation, multi-effects, and mastering tools.
- **Color LCD Screen:** An intuitive full-color display for visual feedback and navigation.
- **Physical Controls:** 19 track-faders and a master fader for hands-on mixing, along with dedicated knobs for input levels, panning, and effects.
- **SD/SDHC Storage:** Durable solid-state storage for reliable recording.
- **USB 2.0 Connectivity:** Easy file transfer to and from a computer for backup and further processing.



Overview of the Tascam DP-24SD's main features, including inputs, display, and controls.

3. Setup

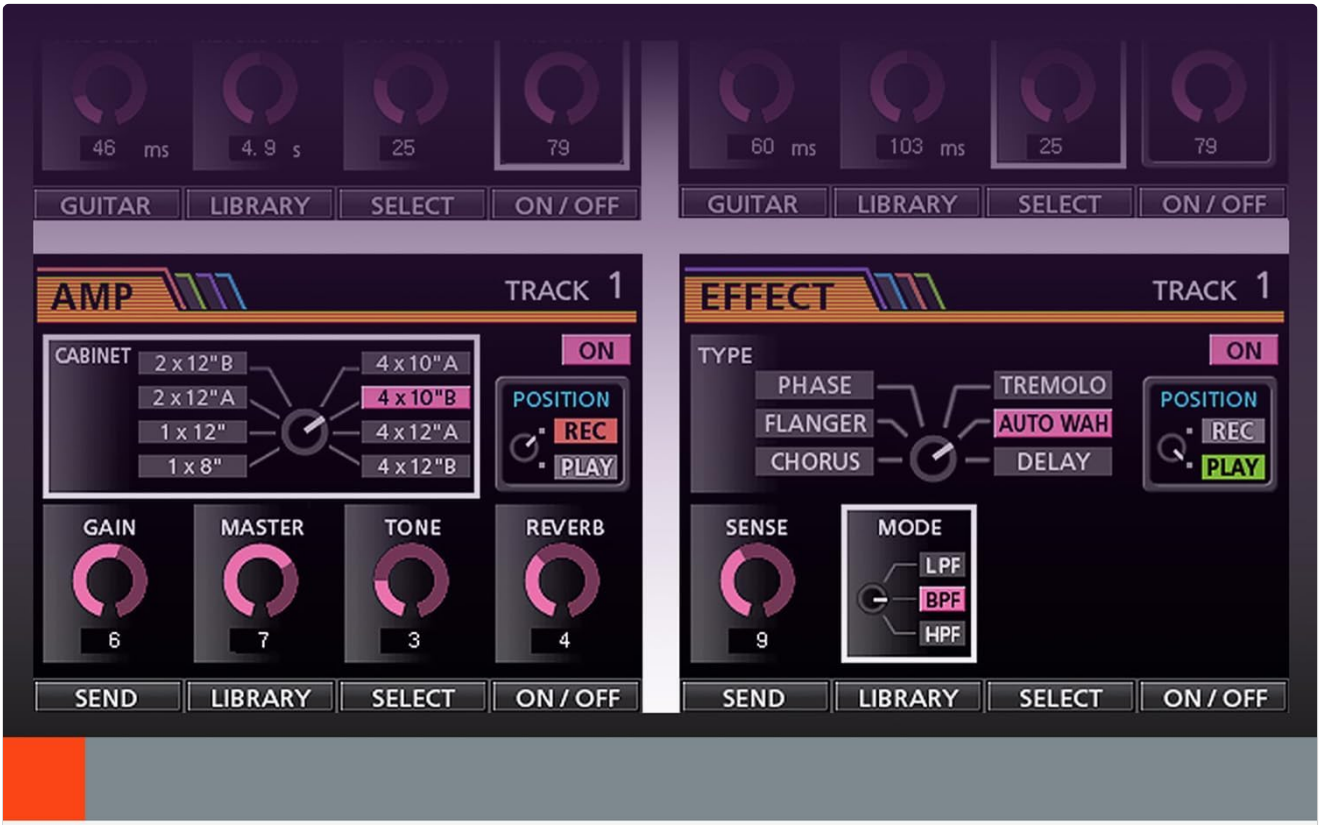
3.1. Power Connection

Connect the included AC adapter to the DC IN 12V port on the rear panel of the DP-24SD and plug it into a standard power outlet. The unit requires 12 watts of power. Ensure the power switch is in the OFF position before connecting the power supply.

3.2. Audio Input Connections

The DP-24SD features 8 XLR-TRS combo inputs on the rear panel, allowing connection of microphones, line-level instruments, or guitars. Inputs A-H support both XLR and 1/4" connections.

- **Microphones:** Connect XLR microphones to any of the 8 combo inputs. For condenser microphones requiring phantom power, activate the +48V switch for the respective input channels.
- **Line-Level Instruments:** Connect synthesizers, drum machines, or other line-level devices using 1/4" TRS or TS cables to the combo inputs.
- **Guitars/Basses:** Input H is optimized for direct connection of high-impedance instruments like electric guitars or basses.



Effects and processing power.

Use up to 8 dynamics effects at once, one for each input source, for unlimited sound! Each of the effect blocks features many studio-quality variations.

Rear panel showing the 8 XLR-TRS combo inputs for various audio sources.

3.3. Audio Output Connections

Connect your monitoring system or external effects processors to the appropriate outputs:

- **Stereo Out:** Use the unbalanced RCA stereo outputs to connect to studio monitors or a stereo amplifier.
- **Effect Sends:** Two unbalanced 1/4" TS outputs are available for sending signals to external effects units.
- **Headphones:** A 3.5mm headphone jack is provided for private monitoring.



Rear panel showing stereo outputs and effect sends.

4. Operating the DP-24SD

4.1. Basic Recording

To begin recording, ensure your audio sources are connected and input levels are set appropriately using the dedicated GAIN knobs. The DP-24SD allows for intuitive, hands-on control over each track.

- **Track Selection:** Use the SELECT buttons to arm tracks for recording.
- **Level Adjustment:** Adjust input levels using the dedicated knobs to prevent clipping (indicated by OL lights).
- **Start Recording:** Press the RECORD button, then the PLAY button to start recording.
- **Undo/Redo:** The unit includes convenient undo and redo functions, allowing for easy correction of mistakes during recording or mixing.



Front panel with faders, knobs, and transport controls for intuitive operation.

4.2. Mixing and Effects

The DP-24SD offers extensive mixing and effects capabilities to shape your sound:

- **Channel Strip:** Each input channel features 3-band EQ and dynamics processing (compression/limiting) to refine individual tracks.
- **Multi-Effects:** Apply various effects such as reverb, chorus, flanger, phase, tremolo, auto wah, and delay. Guitar amp simulation is also available.
- **Mastering:** Utilize built-in mastering effects to finalize your tracks for release.
- **Intuitive Display:** The full-color LCD screen provides visual feedback for all settings, making adjustments clear and precise.

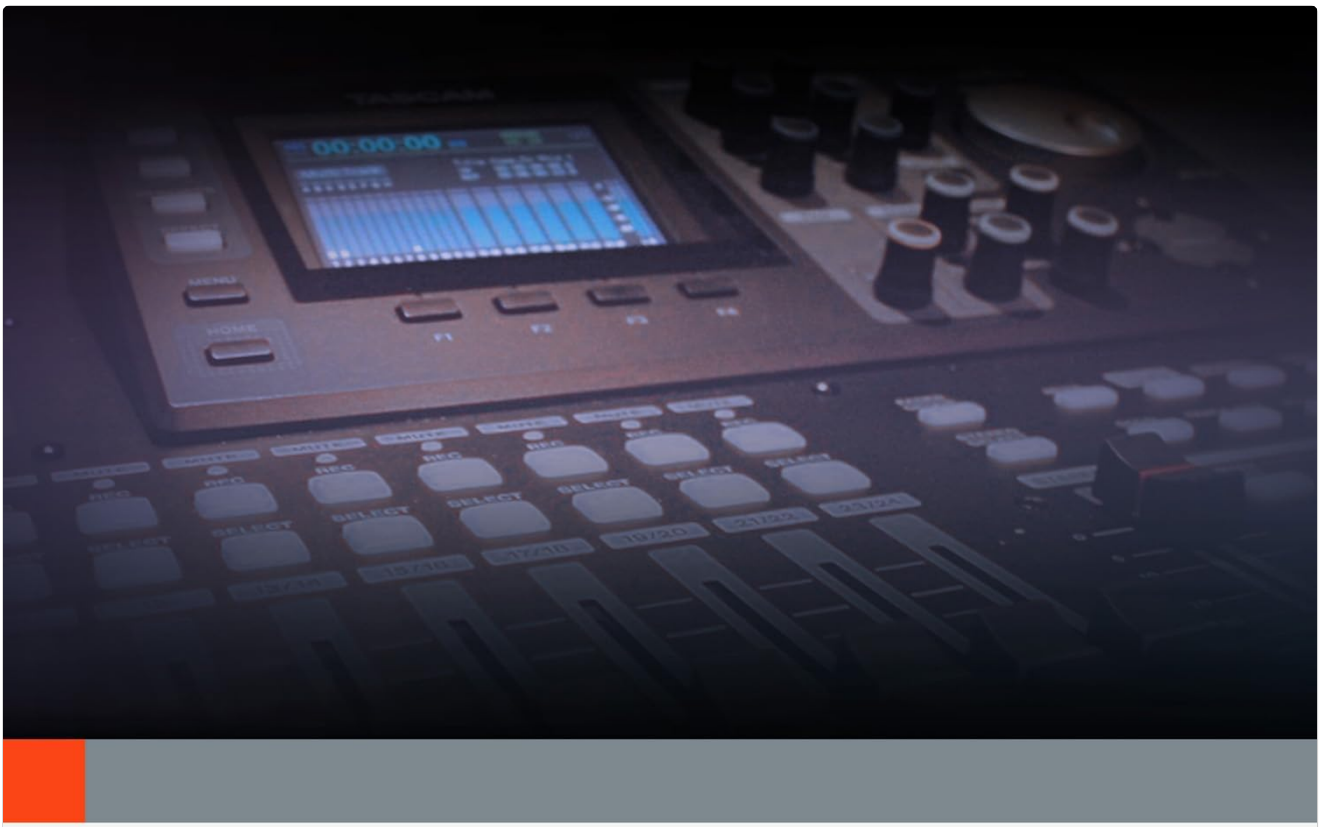


The color LCD screen displaying various effects and processing options.

4.3. Storage and File Management

The DP-24SD records directly to SD/SDHC cards, ensuring reliable and shock-resistant storage.

- **SD Card Slot:** Insert an SD or SDHC card into the dedicated slot for recording and project storage.
- **File Format:** Recorded files are stored in FAT16 or FAT32 format, allowing for easy transfer to computers.
- **USB Transfer:** Connect the DP-24SD to a computer via USB 2.0 to transfer recorded WAV files for backup or further editing in a Digital Audio Workstation (DAW).



The SD card slot for solid-state media storage.

5. Official Product Videos

Explore these official videos for a deeper understanding of the Tascam DP-24SD's capabilities:

5.1. TASCAM DP-32SD & DP-24SD | Effects Routing

This video demonstrates the effects routing capabilities of the Tascam DP-32SD and DP-24SD, providing insights into how to integrate and utilize the built-in effects for your recordings.

5.2. Tascam DP-24SD 24-Track Digital Portastudio Review

An in-depth review of the Tascam DP-24SD 24-Track Digital Portastudio, highlighting its features, performance, and overall user experience.

6. Maintenance

- **Cleaning:** Regularly wipe the unit with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

- **Storage:** Store the DP-24SD in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery:** The unit uses 1 Lithium Metal battery. Refer to the full user manual for instructions on safe handling and replacement.

7. Troubleshooting

If you encounter issues with your DP-24SD, consider the following general troubleshooting steps:

- **No Power:** Ensure the AC adapter is securely connected and the power outlet is functional.
- **No Sound:** Check all audio connections, input levels, and output levels. Verify that tracks are not muted or soloed incorrectly.
- **Recording Issues:** Confirm that an SD card is inserted and has sufficient free space. Check input settings and ensure tracks are armed for recording.
- **Learning Curve:** Some users report a learning curve with multi-track recorders. Utilize online tutorials and the comprehensive user manual for detailed guidance.

For more detailed troubleshooting, please refer to the complete Tascam DP-24SD user manual.

8. Specifications

Model Number	DP-24SD
Item Weight	13.67 Pounds
Product Dimensions	13.4"D x 20.2"W x 4.1"H
Memory Storage Capacity	32 GB (SD/SDHC card dependent)
Hardware Interface	USB 2.0
Number of Batteries	1 Lithium Metal batteries required
Wattage	12 watts
Headphones Jack	3.5 millimeters
Color Name	Black

9. Warranty and Support

For detailed warranty information, technical support, and service inquiries, please refer to the official Tascam website or the documentation included with your DP-24SD unit. Keep your proof of purchase for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question