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> [Carlsbro CSD400 Electronic Drum Set User Manual](#)

## Carlsbro CSD400

# Carlsbro CSD400 Electronic Drum Set User Manual

Model: CSD400

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the setup, operation, and maintenance of your Carlsbro CSD400 Electronic Drum Set. The CSD400 is an 8-piece electronic mesh head kit designed for both live performance and studio recording sessions, offering exceptional value and versatility.

The kit features the advanced Commander 400 sound module, five mesh drum pads, and three cymbals, providing a realistic drumming experience with a wide range of sounds and customizable options.



Figure 1.1: The Carlsbro CSD400 Electronic Drum Set, fully assembled and ready for use. This image showcases the complete setup including the drum pads, cymbals, sound module, and pedals.

## 2. SETUP AND ASSEMBLY

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Carefully unpack all components and verify against the packing list. Assembly typically takes approximately one hour. Ensure all connections are secure before powering on the module.

### 2.1. Kit Components

Your Carlsbro CSD400 kit includes the following:

- 1 x Commander 400 Sound Module
- 1 x 8" Mesh Bass drum pad with bass kick pedal
- 1 x 10" Mesh Dual-zone Snare pad and rim shot
- 3 x 8" Mesh Dual-zone Tom pads
- 1 x 10" Single-zone Hi-hat cymbal pad
- 1 x 10" Single-zone crash cymbal pad with choke

- 1 x 10" Single-zone ride cymbal pad with choke
- 1 x Hi-hat controller pedal
- 1 x Sturdy 4-legged drum rack
- Mounting hardware
- Drumsticks and Drumstick clip holder

## 2.2. Assembly Steps

1. **Unpack Components:** Carefully remove all parts from the packaging. Keep packaging materials for future transport or storage.
2. **Assemble Drum Rack:** Construct the 4-legged drum rack according to the included diagram. Ensure all joints are tightened securely.
3. **Attach Pads and Cymbals:** Mount the bass drum pad, snare pad, tom pads, and cymbal pads onto the rack using the provided mounting hardware. Position them ergonomically for comfortable playing.
4. **Connect Pedals:** Attach the bass kick pedal to the bass drum pad and connect the hi-hat controller pedal.
5. **Mount Sound Module:** Secure the Commander 400 Sound Module to the designated arm on the drum rack.
6. **Connect Cables:** Connect each drum pad and cymbal pad to the corresponding input on the Commander 400 Sound Module using the included cables. Refer to the module's input labels for correct connections.
7. **Power Connection:** Connect the power adapter to the Commander 400 Sound Module and then to a power outlet.
8. **Adjust Pad Tension:** Use the provided drum key to adjust the tension of all mesh pads to your preferred acoustic head tension. This affects rebound and feel.



Figure 2.1: An alternative view of the Carlsbro CSD400 kit, highlighting the arrangement of the mesh pads and cymbals on the sturdy rack system.

### 3. OPERATING THE COMMANDER 400 SOUND MODULE

The Commander 400 Sound Module is the central control unit for your electronic drum set. It features a 128 x 64 character LCD display for easy navigation and control.

#### 3.1. Module Overview



Figure 3.1: Front panel of the Commander 400 Sound Module, showing the LCD display, volume knob, and various control buttons for navigation and sound selection.

- **Display:** 128 x 64 character LCD
- **Voices:** 358 high quality percussion voices
- **Drum Kits:** 29 preset drum kits and 12 user-defined drum kits
- **Demo Songs:** 20 built-in demo songs for practice and inspiration
- **EQ & Reverb:** 3 band EQ and 2 reverb settings for sound customization
- **Connectivity:** Aux in, Line output, Headphone output, USB MIDI interface, MIDI IN/OUT
- **Recording:** Record and playback facility for capturing your performances
- **Trigger Settings:** Adjustable trigger settings to fine-tune pad response
- **Metronome:** Built-in metronome for timing practice

### 3.2. Basic Operation

1. **Power On/Off:** Press the **POWER** button to turn the module on or off.
2. **Volume Control:** Use the **VOLUME** knob to adjust the overall output level.
3. **Kit Selection:** Press the **KIT** button and use the navigation arrows to select from preset or user-defined drum kits.
4. **Voice Selection:** Press the **VOICE** button to browse and select individual percussion voices for each pad.
5. **Playing Demo Songs:** Press the **SONG** button to access and play the built-in demo songs.
6. **Metronome:** Activate the metronome by pressing the **CLICK** button. Adjust tempo using the **TEMPO** button and navigation.
7. **Recording:** Use the **RECORD** and **PLAY** buttons to record and playback your drumming.
8. **Adjusting EQ and Reverb:** Navigate to the settings menu to adjust the 3-band EQ and select from 2 reverb

settings to shape your sound.

### 3.3. Connectivity

The Commander 400 module offers various connectivity options:

- **Aux In:** Connect external audio devices (e.g., smartphone, MP3 player) to play along with your favorite music.
- **Line Output:** Connect to an external amplifier, mixer, or recording interface.
- **Headphone Output:** For private practice, connect headphones to this jack.
- **USB MIDI Interface:** Connect to a computer for MIDI recording, software control, or firmware updates.
- **MIDI IN/OUT:** For traditional MIDI connections with other MIDI-compatible devices.



Figure 3.2: Rear panel of the Commander 400 Sound Module, displaying the various input and output ports for connecting pads, cymbals, external audio, headphones, and MIDI devices.

## 4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Carlsbro CSD400 Electronic Drum Set.

- **Cleaning:** Use a soft, dry cloth to wipe down the drum pads, cymbals, and sound module. Avoid abrasive cleaners or solvents.
- **Pad Tension:** Periodically check and adjust the tension of the mesh pads using the drum key. This maintains consistent feel and response.
- **Cable Management:** Ensure all cables are neatly routed and not under excessive tension or prone to being tripped over. This prevents damage to cables and ports.
- **Storage:** When not in use for extended periods, store the drum set in a dry, temperature-controlled environment, away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Check the official Carlsbro website for any available firmware updates for the Commander 400 Sound Module to ensure you have the latest features and bug fixes.

## 5. TROUBLESHOOTING

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This section addresses common issues you might encounter with your CSD400 Electronic Drum Set.

Problem	Possible Cause	Solution
No sound from module.	Volume too low; headphones/speakers not connected; power issue.	Increase <b>VOLUME</b> knob. Ensure headphones or external speakers are properly connected. Verify power adapter is securely plugged in.
Specific pad/cymbal not triggering.	Cable loose or damaged; incorrect trigger settings; pad malfunction.	Check cable connection to both pad and module. Try swapping cables with a working pad. Adjust trigger sensitivity in module settings. If issue persists, contact support.
Unwanted double triggers or missed triggers.	Pad tension too loose/tight; trigger sensitivity incorrect.	Adjust mesh pad tension with drum key. Fine-tune trigger sensitivity and threshold settings in the Commander 400 module.
Module display is blank or frozen.	Power interruption; software glitch.	Turn off the module, unplug the power adapter, wait 10 seconds, then plug back in and restart. If problem persists, contact support.

## 6. SPECIFICATIONS

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### 6.1. Commander 400 Sound Module

- **Display:** 128 x 64 character LCD
- **Voices:** 358 high quality percussion voices
- **Preset Drum Kits:** 29
- **User Defined Drum Kits:** 12
- **Demo Songs:** 20
- **EQ:** 3 band
- **Reverb Settings:** 2
- **Inputs:** Aux In
- **Outputs:** Line Output, Headphone Output
- **MIDI:** USB MIDI interface, MIDI IN/OUT
- **Features:** Record and playback facility, Adjustable trigger settings, Metronome

### 6.2. Kit Components

- **Bass Drum Pad:** 1 x 8" Mesh Bass pad with kick pedal
- **Snare Pad:** 1 x 10" Mesh Dual-zone Snare pad with rim shot
- **Tom Pads:** 3 x 8" Mesh Dual-zone Tom pads
- **Hi-hat Cymbal:** 1 x 10" Single-zone Hi-hat cymbal pad
- **Crash Cymbal:** 1 x 10" Single-zone crash cymbal pad with choke
- **Ride Cymbal:** 1 x 10" Single-zone ride cymbal pad with choke
- **Pedals:** 1 x Hi-hat controller pedal, 1 x Bass kick pedal
- **Rack:** Sturdy 4-legged drum rack
- **Accessories:** Mounting hardware, Drumsticks, Drumstick clip holder

## 6.3. General Product Specifications

- **Model Name:** CSD400
- **Brand:** Carlsbro
- **Color:** Black/White
- **Material Type:** Synthetic material
- **Item Weight:** 1 pounds (approx. 0.45 kg)
- **Product Dimensions (L x W x H):** 15.75 x 15.75 x 15.75 inches (approx. 40 x 40 x 40 cm)
- **Connector Type:** USB
- **Manufacturer:** Carlsbro
- **First Available Date:** November 27, 2018

## 7. WARRANTY AND SUPPORT

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Carlsbro is committed to providing high-quality products and customer satisfaction.

### 7.1. Return Policy

This product is eligible for a 30-day easy return policy, allowing for a refund or replacement within 30 days of purchase, subject to terms and conditions.

### 7.2. Protection Plans

Extended protection plans are available for purchase to provide additional coverage beyond the standard warranty:

- **3-Year Protection Plan:** Provides coverage for 36 months.
- **4-Year Protection Plan:** Provides coverage for 48 months.
- **Complete Protect:** A comprehensive plan covering eligible past and future purchases (monthly billing option).

For detailed information on coverage and terms, please refer to the specific protection plan documentation.

### 7.3. Customer Support

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Carlsbro customer support through their official website or authorized service centers. Please have your product model number (CSD400) and purchase details ready when contacting support.