Line 6 99-014-0705

Line 6 Catalyst CX 100 Dual-channel 1x12 Combo Amplifier User Manual

Comprehensive guide for the Line 6 Catalyst CX 100, covering all aspects from initial setup to advanced operation and maintenance.

Product Overview

The Line 6 Catalyst CX 100 is a versatile 100-watt dual-channel 1x12 combo amplifier designed to deliver the performance of a traditional guitar amp with the enhanced capabilities of modern digital processing. It features a robust construction and integrates advanced technologies derived from Helix processors.



Figure 1: Front view of the Line 6 Catalyst CX 100 Combo Amplifier, showcasing its classic black and grey grille design.

Key Features

- **100-Watt Power Output:** Provides ample power suitable for most gigging situations and studio use.
- **Dual-Channel Design:** Offers flexibility for various tonal requirements.
- **12 Amp Voicings:** Derived from Helix processors, ranging from pristine clean to modern high-gain tones.
- **Dedicated Boost Circuit:** Features boost types optimized for each amp voicing.
- **24 HX-Quality Effects:** Spanning four distinct effects categories for comprehensive sound shaping.
- **Tap Tempo/Tuner Button:** Conveniently located for quick access to tempo synchronization and tuning.
- **USB Audio Interface:** Built-in 2-channel interface for direct recording to a computer.
- **XLR Line Output:** For direct connection to mixing consoles or PA systems.
- **Effects Loop:** Allows integration of external effects pedals.
- **Power Amp Input:** Enables use of the Catalyst CX as a powered speaker for external modelers.
- **MIDI Functionality:** For advanced control and integration with MIDI setups.
- **Catalyst Edit App:** Free desktop and mobile application for deep editing capabilities.

Setup

Unboxing and Initial Placement

Carefully remove the Catalyst CX 100 amplifier from its packaging. Place the amplifier on a stable, flat surface, ensuring adequate ventilation around the unit. Avoid placing it in direct sunlight or near heat sources.

Power Connection

Connect the supplied AC power cable to the power input on the rear panel of the amplifier. Plug the other end into a grounded electrical outlet. Ensure the power switch is in the OFF position before connecting to power.



Figure 2: Rear panel of the Catalyst CX 100, highlighting the power input, USB port, footswitch jack, MIDI I/O, effects loop, and XLR line output.

Connecting Your Instrument

Plug your guitar cable into the **INPUT** jack on the front panel of the amplifier.

Optional Connections

- **Footswitch:** Connect an optional Line 6 LFS2 footswitch to the dedicated footswitch jack for hands-free control of channels and effects.
- **USB:** Connect a USB cable from the amplifier's USB port to your computer for recording or using the Catalyst Edit app.
- **MIDI:** Use standard MIDI cables to connect to external MIDI devices for advanced control.
- **Effects Loop:** Connect external effects pedals to the **FX LOOP SEND** and **RETURN** jacks.
- **XLR Line Out:** For direct connection to a PA system or audio interface.
- **Power Amp In:** Connect an external modeler's output to this jack to use the Catalyst CX 100 as a powered speaker.

Operating the Amplifier

Powering On and Off

To power on, ensure all connections are secure, then flip the **POWER** switch on the rear panel to the ON position. To power off, flip the **POWER** switch to the OFF position. It is recommended to turn down the master volume before powering on or off.

Selecting Amp Voicings

The Catalyst CX 100 features 12 distinct amp voicings. Use the dedicated controls on the top panel or the Catalyst Edit app to select and fine-tune your desired amp model. Each voicing is designed to emulate a specific amplifier type, from clean to high-gain.

Utilizing Effects

The amplifier includes 24 HX-quality effects categorized for ease of use. These effects can be activated and adjusted using the amplifier's controls or through the Catalyst Edit app. Experiment with different effects to enhance your sound.



Figure 3: Angled view of the Catalyst CX 100, illustrating the top-mounted control panel for easy access to amp voicings, effects, and other settings.

Tap Tempo and Tuner

Press the **TAP/TUNER** button to set the tempo for time-based effects. Hold the button down to activate the built-in tuner, which will display your tuning status on the amplifier's display.

Using the Catalyst Edit App

The free Catalyst Edit app (available for desktop and mobile devices) provides comprehensive control over all amplifier parameters. Connect your amplifier via USB to access deep editing capabilities, preset management, and firmware updates. Visit the official Line 6 website for download instructions and compatibility information.
For detailed instructions on specific controls and advanced features, refer to the comprehensive digital manual available on the Line 6 support website.

Maintenance

Cleaning

To clean the amplifier, use a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth. Do not use abrasive cleaners, solvents, or waxes, as these can damage the finish. Ensure no liquids enter the amplifier's vents or openings.

Storage

When not in use for extended periods, store the amplifier in a cool, dry place away from extreme temperatures and humidity. An optional cover is available to protect the combo from dust and minor impacts.

Ventilation

Always ensure proper ventilation around the amplifier during operation. Do not block any ventilation openings. Overheating can lead to damage and reduced performance.

Troubleshooting

This section provides solutions to common issues you might encounter with your Catalyst CX 100 amplifier. If the problem persists, contact Line 6 customer support.

Problem	Possible Cause	Solution
No sound output.	Power cable disconnected, volume knobs turned down, instrument cable faulty, speaker cable disconnected (internal).	Check power connection. Ensure Master Volume and Channel Volume are up. Test with a different instrument cable. If comfortable, check internal speaker connection (refer to service manual if unsure).
Distorted or poor sound quality.	Input signal too hot, incorrect amp voicing/effect settings, faulty instrument or cable.	Reduce guitar's output volume. Adjust amp voicing gain and effect parameters. Test with a different instrument and cable.
Footswitch not responding.	Incorrect footswitch connected, cable faulty, footswitch not properly seated.	Ensure you are using a compatible Line 6 LFS2 footswitch. Check footswitch cable connection. Test with a different cable if available.
Catalyst Edit app not connecting.	USB cable issue, driver not installed, app version outdated.	Ensure USB cable is securely connected. Install necessary USB drivers from Line 6 website. Update Catalyst Edit app to the latest version. Restart both amplifier and computer.

Specifications

Property	Value
Model	Catalyst CX 100
Item Model Number	99-014-0705
Output Wattage	100 Watts
Speaker Configuration	1x12 Combo
Dimensions (Package)	26 x 23.1 x 14.2 inches
Item Weight	42.7 pounds
Color	Black
Material	Metal (Chassis)
Compatible Devices	Guitar
Manufacturer	Line 6
Date First Available	March 19, 2024

Warranty and Support

Line 6 products are covered by a limited warranty. For specific warranty terms and conditions applicable to your Catalyst CX 100 amplifier, please refer to the warranty card included with your product or visit the official Line 6 website.
For technical support, product registration, and access to the latest drivers and firmware updates, please visit the Line 6 Support website. You can also find additional resources, FAQs, and community forums there.

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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

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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