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› [ONEED](#) /

› Haute42 T16 PRO Leverless Arcade Controller User Manual

ONEED T16-C

Haute42 T16 PRO Leverless Arcade Controller User Manual

Model: T16-C

1. INTRODUCTION

Thank you for choosing the Haute42 T16 PRO Leverless Arcade Controller. This device is designed to provide a precise and responsive gaming experience, especially for fighting games. It features a 16-button layout, hot-swappable Kailh Crystal switches, customizable RGB lighting, and broad compatibility across multiple gaming platforms. This manual will guide you through the setup, operation, and maintenance of your controller to ensure optimal performance.



Image 1: The Haute42 T16 PRO Leverless Arcade Controller.

2. SETUP

2.1. Compatibility

The Haute42 T16 PRO offers extensive compatibility with various platforms:

- PC (Windows 10 and above, SteamDeck)
- Nintendo Switch
- PS3 / PS4 / PS5 (requires a separate dongle for authentication on PS4/PS5)
- Xbox 360 / Xbox One (requires a separate dongle for authentication)
- Android / Linux (keyboard mode only)
- Classic Consoles: NEOGEO mini, Sega Genesis/MegaDrive mini (may require cable conversion)

Important Note for PS4/PS5/Xbox One: For these platforms, a separate dongle is required for authentication. Connect the

dongle to the controller's EXT port and the game console to the controller's Type-C port. Do not connect the game console directly to the EXT port.



Image 2: Visual representation of the controller's broad platform compatibility.

2.2. Firmware Update

Regular firmware updates ensure your controller has the latest features and bug fixes. Follow these steps to update the firmware:

1. Visit the official support website: cosmoxgaming.com/support/
2. Download the latest firmware (.uf2 file) and the flash_nuke.uf2 file for your specific model.
3. **Enter Bootloader Mode:** There are two methods:
 - **Method 1:** Locate the bootloader button (a small pinhole on the back of the controller). Press and hold this button with a pin while connecting the controller to your computer via USB. A removable disk named "RP1-RP2" will appear.
 - **Method 2:** Connect the controller to your computer normally. Press and hold the Start + X + Y buttons for more than 5 seconds. The screen will freeze, and "RP1-RP2" will be displayed, indicating bootloader mode.
4. Drag and drop the `flash\_nuke.uf2` file into the "RP1-RP2" drive. This will clear all previous data. The drive will temporarily disconnect and then reconnect.
5. Drag and drop the latest firmware file (e.g., `GP2040-CE\_X.X.X\_Haute42\_COSMOX.uf2`) into the "RP1-RP2" drive. Wait for the file to copy completely. The drive will disconnect, and the controller will automatically restart with the new firmware.

Your browser does not support the video tag. This video demonstrates the firmware update process for the Haute42 T16 PRO controller, including how to enter bootloader mode and drag-and-drop firmware files.

Video 1: Firmware Update Guidance.

Hint: If you make a mistake in the settings and wish to revert, simply re-update the firmware using the flash_nuke.uf2 file to return to a stable state. You can freely customize all configurations via the web interface.

3. OPERATING INSTRUCTIONS

3.1. Input Modes

The controller supports various input modes. You can select the desired mode via the web configurator or by holding specific buttons while connecting the device.

- **XInput:** For PC (Steam) / SteamDeck.
- **Nintendo Switch:** For Nintendo Switch consoles.
- **PS3/DirectInput:** For PS3, Android, and most emulators or arcade games on PC/Android devices.
- **Keyboard:** Standard keyboard key values.
- **PS4:** For PlayStation 4. Requires a dongle for authentication to avoid an 8-minute timeout.
- **PS5:** For PlayStation 5. Requires a dongle for authentication.
- **Xbox One:** For Xbox One. Requires a dongle for authentication.
- **Original Xbox:** Commonly used for Xbox 360 and older products.
- **Mini/Classic Console Modes:** For Sega Genesis/MegaDrive Mini, NEOGEO mini, PC Engine/Turbografx 16 Mini, EGRET II Mini, ASTROCITY Mini, PlayStation Classic.

Your browser does not support the video tag. This video demonstrates how to select and customize input modes for various platforms using the web configurator.

Video 2: Input Mode Guidance.

3.2. Button Layout and Features

The T16 PRO features 16 large-diameter buttons (25.8mm) for comfortable and precise inputs. It includes additional LS and RS keys, offering more assignable options compared to standard 12-button leverless controllers. The absence of a traditional joystick and the arrangement of four independent directional buttons minimize command input errors, enhancing your fighting game performance.

正確なクアッド移動ボタンレイアウト

ジョイスティックを4つの移動ボタンに置き換えることで、入力ミスのない、すっきりとしたプレーを楽しめます。



Image 3: Close-up of the quad movement button layout, replacing a traditional joystick.

3.3. Customization

The Haute42 T16 PRO offers extensive customization options:

- **Hot-Swappable Switches:** The controller uses Kailh Crystal switches and supports hot-swapping, allowing you to easily change switches and keycaps to match your preferred feel and sound.
- **RGB Lighting:** Adjust the brightness, color, and pattern of the RGB LED lighting through the web configurator to

personalize your setup.

- **Custom Splash Screen:** You can customize the top panel and the splash screen displayed on the OLED screen.

天板カスタマイズ可能。



RGBカスタマイズ



Image 4: Demonstrates customizable top panel designs and RGB lighting effects.

薄型Low-profileスイッチ 素早い応答速度と優れた精度を実現



*ホットスワップに対応可能

ホットスワップに対応しているので、スイッチやキーキャップの着脱を手間無く便利に行えます。スイッチやキーキャップのカスタマイズが自由自在なので、お好みの打鍵音を自由にお楽しみましょう。

Image 5: Exploded view showing the components of a Kailh Crystal low-profile switch, highlighting its hot-swappable nature.

スプラッシュスクリーンの の**DIY**をサポート



Image 6: Illustrates the DIY splash screen feature, allowing users to upload custom artwork.

Your browser does not support the video tag. This video guides you through setting up a custom splash screen for your controller using the web configurator.

Video 3: How to set up a custom splash screen.

3.4. Web Configuration Access

To access the web configurator for advanced settings (SOCD modes, button remapping, rapid-fire, RGB, splash screen, etc.):

1. Connect the controller to your PC via the Type-C USB cable.
2. Open a web browser and enter the IP address **192.168.7.1** in the address bar.
3. The GP2040-CE Web Configurator interface will load, allowing you to adjust various settings.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Haute42 T16 PRO controller, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the surface of the controller with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and ensure the device is completely dry before use. Avoid harsh chemicals or abrasive materials.
- **Switch and Keycap Replacement:** Thanks to the hot-swappable design, individual switches and keycaps can be replaced. Use the provided switch puller to carefully remove switches. Ensure the controller is disconnected from power before attempting any replacements.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures.

5. TROUBLESHOOTING

If you encounter issues with your controller, refer to the following common solutions:

- **Controller Not Recognized by PC/Console:**
 - Ensure the USB cable is securely connected to both the controller and the device.
 - Try a different USB port or cable.
 - Verify the correct input mode is selected for your platform (refer to Section 3.1).
 - For PS4/PS5/Xbox One, confirm that the authentication dongle is correctly connected to the EXT port and the console to the Type-C port.
- **PS4/PS5 Timeout After 8 Minutes:** This indicates a lack of proper authentication. Ensure you are using a compatible dongle connected to the EXT port and that the input mode is set to PS4 or PS5, with 'Host USB' in the web configurator.
- **Buttons Not Responding:**
 - Check if the controller is in the correct input mode.
 - If using hot-swappable switches, ensure they are fully seated. Try reseating or replacing the affected switch.
- **Web Configurator Not Accessible:**
 - Ensure the controller is connected to the PC and in web configuration mode (hold Start while connecting, or Start+X+Y for 5 seconds).
 - Verify you are entering the correct IP address: 192.168.7.1.
 - Try a different browser.

For further assistance, please visit the official support page: cosmoxgaming.com/support/

6. SPECIFICATIONS

Feature	Description
Model Number	T16-C

Dimensions (Body)	29.6 cm x 19.6 cm (approx. 11.65 in x 7.71 in)
Thickness	1.25 cm (approx. 0.49 in)
Weight	1.09 kg (approx. 2.4 lbs)
Button Diameter	25.8 mm (approx. 1.01 in)
Switches	Kailh Crystal Low-profile Switches (Hot-swappable)
Connectivity	USB Type-C
Display	OLED Screen
Lighting	RGB LED
Origin	China

より大きく、より薄く



Image 7: Detailed dimensions of the Haute42 T16 PRO controller.

7. PACKAGE CONTENTS

The Haute42 T16 PRO package includes:

- Haute42 T16 PRO Leverless Controller x1
- Kailh Crystal Switch x1 (spare)

- USB Type-C Cable x1
- 6mm Button Cap x2 (spare)
- Switch Puller x1
- Anti-slip Pad x6
- Instruction Manual x1

8. WARRANTY AND SUPPORT

For warranty information, product support, and frequently asked questions, please visit the official ONEED support website:

cosmoxgaming.com/support/

You can also join the Discord group for community support and discussions about new firmware, template files, and other resources. Look for the Discord link on the support page.

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

Open the live page

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