Thrustmaster 4460237

Thrustmaster HEART Controller User Manual

Model: 4460237 | Brand: Thrustmaster

1. INTRODUCTION

The Thrustmaster HEART CONTROLLER gamepad features the H.E.A.R.T. (HallEffect AccuRate Technology) Hall effect technology, backed by 15 years of proven expertise in magnetic sensor measurement technology for flight simulation. H.E.A.R.T. provides exceptional, long-lasting precision, allowing mini-stick movement to be tracked to within 0.01 degree while eliminating drift. All of the HEART CONTROLLER buttons are mechanical, which improves the responsiveness of actions between the player and the game, providing activation travel of only 0.3 mm. Lighter than a conventional joystick, the central RGB LED color can be customized among 6 colors. This officially licensed Xbox product is compatible with Xbox Series X|S, Xbox One and PCs running Windows.

Figure 1.1: Front view of the Thrustmaster HEART Controller with its connected USB-C cable.

2. KEY FEATURES

- **H.E.A.R.T. Hall effect technology:** Prevents drift for extended lifespan and provides exceptional, durable precision with movement tracking to within 0.01 degree.
- **Mechanical Buttons:** 64% faster than conventional membrane-based buttons, with an activation distance reduced to 0.3 mm for improved responsiveness.
- **Customizable RGB LED:** Central RGB LED allows users to choose between 6 customizable colors.
- **Additional Remappable Buttons:** Two additional remappable buttons located at the back of the controller.
- **Multi-platform Compatibility:** Officially licensed for Xbox, compatible with Xbox Series X|S, Xbox One, and Windows PCs.

Figure 2.1: The central RGB LED strip can be customized to various colors, enhancing the controller's aesthetic.

3. SETUP GUIDE

3.1 Connecting to Xbox Series X|S or Xbox One

1. Ensure your Xbox console is powered on.
2. Connect the USB-C end of the provided cable to the port on the top of the Thrustmaster HEART Controller.
3. Connect the USB-A end of the cable to an available USB port on your Xbox console.
4. The controller will automatically be detected and configured by your console. The central RGB LED will illuminate, indicating a successful connection.

3.2 Connecting to PC (Windows)

1. Ensure your PC is powered on.
2. Connect the USB-C end of the provided cable to the port on the top of the Thrustmaster HEART Controller.
3. Connect the USB-A end of the cable to an available USB port on your PC.
4. Windows will automatically detect and install the necessary drivers. If prompted, allow Windows to search for and install drivers

5. For advanced customization and firmware updates, download the ThrustmapperX software from the official Thrustmaster website.

Figure 3.1: The back of the controller features the USB-C port for connection and two remappable buttons.

4. OPERATION

4.1 Basic Controls

The Thrustmaster HEART Controller features standard Xbox controller button layouts, including two analog mini-sticks, a D-pad, ABXY face buttons, shoulder buttons (LB, RB), and triggers (LT, RT). The mechanical buttons offer a short activation travel of 0.3 mm for quick response.
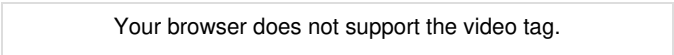
4.2 Customizing RGB LED

The central RGB LED can be customized to one of six colors. Refer to the ThrustmapperX software for detailed instructions on how to change the LED color and other settings.

4.3 Remappable Buttons

The two additional buttons on the back of the controller can be remapped to various functions using the ThrustmapperX software. This

allows for personalized control schemes to suit different games and playstyles.

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Video 4.1: An overview of the Thrustmaster HEART Controller, showcasing its design, features, and dimensions.

5. CARE AND MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the controller. For stubborn dirt, slightly dampen the cloth with water. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the controller in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or excessive pulling on the USB cable to prevent damage.
- **Avoid Liquids:** Do not expose the controller to liquids.

6. TROUBLESHOOTING

6.1 Controller Not Responding

- Ensure the USB cable is securely connected to both the controller and the console/PC.
- Try connecting the controller to a different USB port.
- Restart your console or PC.
- On PC, check Device Manager to ensure the controller is recognized and drivers are up to date.

6.2 Stick Drift or Inaccurate Input

- The H.E.A.R.T. technology is designed to minimize drift. If you experience issues, ensure the controller's firmware is updated via the ThrustmapperX software.
- Perform a calibration of the mini-sticks using the ThrustmapperX software.

6.3 Buttons Not Registering

- Ensure no debris is lodged around the buttons.
- Test the buttons in a different game or application to determine if the issue is software-related.
- Update the controller's firmware using ThrustmapperX.

7. TECHNICAL SPECIFICATIONS

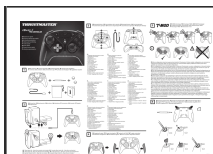| Feature	Specification
Model Number	4460237
Product Dimensions	8.98 x 7.64 x 2.99 inches
Item Weight	1.04 Pounds (approx. 472 grams)
Connectivity	Wired (USB-C to USB-A)
Compatibility	Xbox Series X|S, Xbox One, Windows PC
Technology	H.E.A.R.T. (HallEffect AccuRate Technology)
Button Type	Mechanical
Customization	Central RGB LED (6 colors), Remappable back buttons

Figure 7.1: Dimensions of the Thrustmaster HEART Controller: approximately 110 mm (4.3 inches) in height and 160 mm (6.3 inches) in width.

8. WARRANTY AND SUPPORT

Thrustmaster products are covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Thrustmaster website. For technical support, driver downloads, and firmware updates, please visit the Thrustmaster support section online.
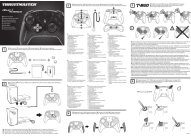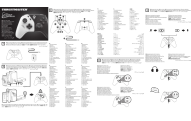
Online Support: www.thrustmaster.com/support

Related Documents - 4460237

[Thrustmaster eSwap X PRO Controller Quick Start Guide](#)

A comprehensive guide to setting up and using the Thrustmaster eSwap X PRO Controller, including T-MOD technology, module swapping, and advanced mapping.

	[Thrustmaster eSwap X Pro Controller Quick Start Guide](#) Quick start guide for the Thrustmaster eSwap X Pro Controller, covering setup, features, module swapping, button mapping, trigger adjustment, and firmware updates for Xbox and PC.
	[Thrustmaster HEART Controller Quick Start Guide](#) A quick start guide for the Thrustmaster HEART Controller, detailing its features, connection, audio management, and LED bar customization. Includes multilingual instructions and technical specifications.
	[Thrustmaster T248 Firmware Update Guide](#) Step-by-step instructions for manually updating the firmware on your Thrustmaster T248 racing wheel for PC, Xbox One, and Xbox Series X|S.
	[Thrustmaster T248: Bootloader Wake-up Guide for Xbox and PC](#) A comprehensive guide to troubleshoot and revive your Thrustmaster T248 racing wheel for Xbox One, Xbox Series X|S, and PC using the bootloader method when it fails to power on or is not recognized. Includes step-by-step instructions and system requirements.
	[Ferrari 458 Spider Racing Wheel User Manual and Setup Guide](#) This document provides instructions for setting up, configuring, and troubleshooting the Thrustmaster Ferrari 458 Spider Racing Wheel for Xbox One and Xbox Series X|S consoles. It includes technical specifications, sensitivity adjustments, and safety warnings.