

Thrustmaster 4460210

Thrustmaster TCA Yoke PACK Boeing Edition Instruction Manual

Brand: Thrustmaster | Model: 4460210

1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Thrustmaster TCA Yoke PACK Boeing Edition. This aviation system is officially licensed by Boeing and Xbox, offering a realistic flight simulation experience for Xbox Series X|S and PC platforms. It replicates controls, flight kinematics, and sensations found in a real Boeing 787 airliner.

2. PACKAGE CONTENTS

Upon opening your Thrustmaster TCA Yoke PACK Boeing Edition, you should find the following components:

- TCA Yoke Boeing Edition
- TCA Quadrant Boeing Edition
- Instruction Manual & Quick Start Guides
- USB Connection Cables (for Yoke and Quadrant)
- Desk Clamp for Yoke
- Desk Clamp for Quadrant
- Additional Spring for Yoke (for adjustable resistance)
- Hex Key (for spring installation)
- Swappable Levers for Quadrant (including speed brake and flaps levers)
- Tablet/Phone Holder for Yoke
- Mounting Screws for Quadrant Clamp



Image: The complete Thrustmaster TCA Yoke PACK Boeing Edition, including the yoke and throttle quadrant.

3. SETUP GUIDE

3.1. Yoke Setup

1. **Mounting the Yoke:** Attach the provided desk clamp to the base of the yoke. Securely fasten the yoke to your desk using the clamp. The clamp features rubber feet for stability.
2. **Installing the Tablet/Phone Holder:** Clip the tablet/phone holder onto the back of the yoke unit. This allows for convenient placement of a tablet or smartphone for additional flight information.
3. **Adjusting Yoke Resistance (Optional):** An additional spring is provided to increase the resistance of the yoke, offering a stiffer feel more akin to a real Boeing yoke. Use the supplied hex key to remove the front panel of the yoke and install the additional spring as per the quick setup guide.
4. **Connecting the Yoke:** Connect the yoke to your PC or Xbox Series X|S using the provided USB cable. The yoke features USB-A and USB-C ports. Ensure the PC/Xbox switch on the back of the yoke is set to the correct platform. An additional TFRP connector is available for connecting rudder pedals.

3.2. Quadrant Setup

1. **Mounting the Quadrant:** Attach the provided desk clamp to the throttle quadrant. Securely fasten the quadrant to your desk.
2. **Customizing Levers:** The quadrant comes with swappable levers, including throttle, speed brake, and flaps levers. You can configure these levers to suit your preferred aircraft setup. For example, you can have two throttle levers and one flap lever, or one throttle, one speed brake, and one flap lever.
3. **Connecting the Quadrant:** Connect the throttle quadrant to the yoke using a USB cable, or directly to your PC/Xbox if preferred.



Image: The Thrustmaster TCA Yoke and Quadrant mounted on a desk, ready for flight simulation.

Video: An official product video from Thrustmaster VG showcasing the TCA Boeing Edition, its features, and setup.

4. KEY FEATURES

- **Officially-Licensed Boeing Design:** Ergonomic 1:1 scale replicas of the Boeing 787 airliner's yoke and throttle quadrant.
- **Suspended PENDUL_R Mechanism:** Replicates the pendular sensation found in genuine Boeing Dreamliner airliners, offering 8.3-inch (21-cm) range of travel for realistic pitch control.

BOEING REAL LIFE **PENDULAR FEEL**



Image: The yoke's internal Pendul_R mechanism, illustrating its unique pendular design for realistic flight feel.

- **Adjustable Yoke Springs:** Provides smooth motion and flexible linear resistance, allowing for precise control. An additional spring is included for increased resistance.

ADJUSTABLE SPRING RESISTANCE



Image: Close-up view of the adjustable spring mechanism within the yoke, providing flexible resistance.

- **100% Metal Internal Yoke Structure:** Ensures excellent sturdiness, balanced weight distribution, and extended product lifespan.

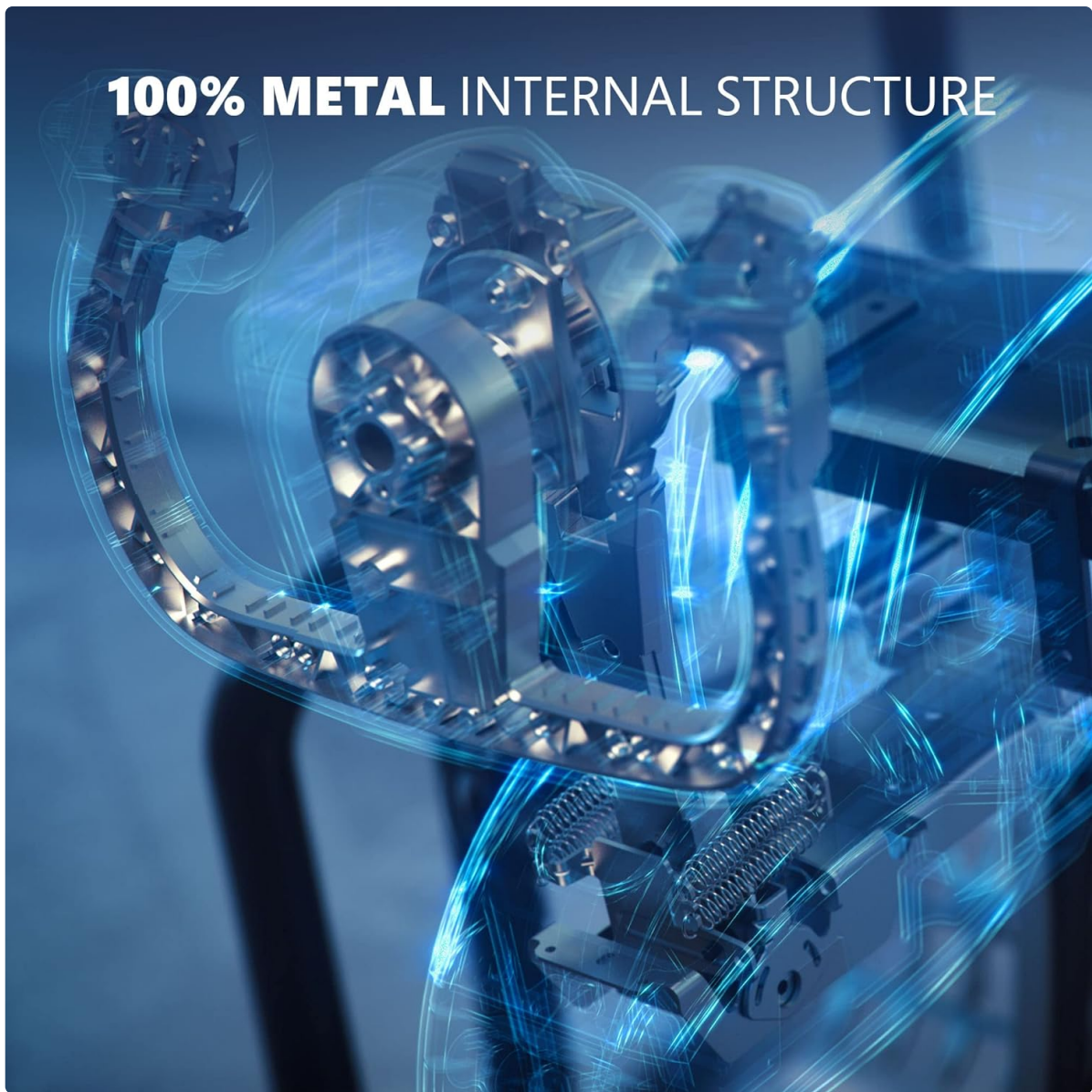


Image: X-ray view of the yoke's internal 100% metal structure, highlighting its durability.

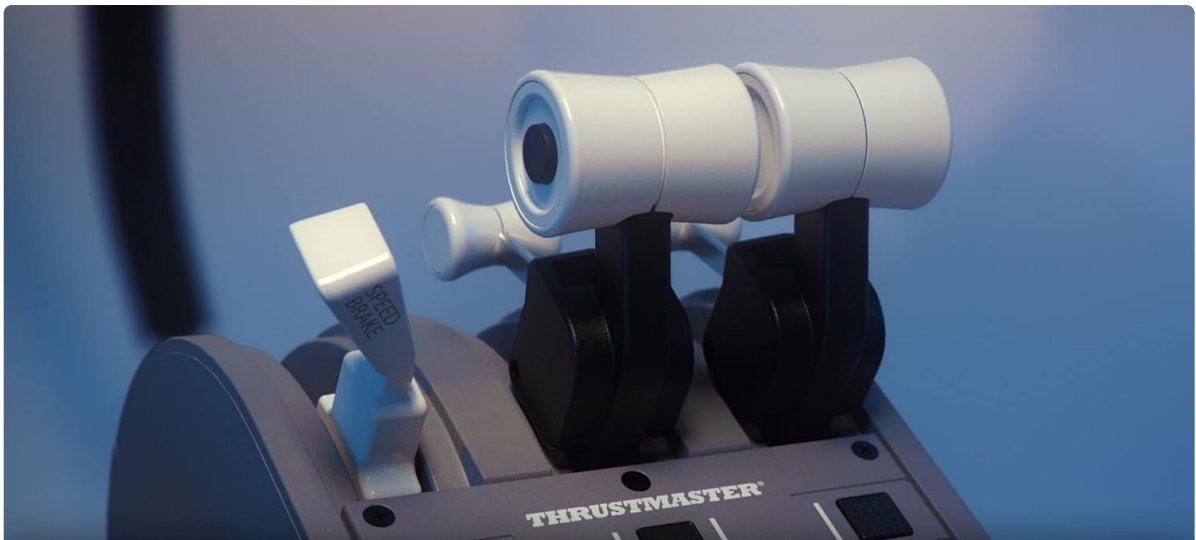
- **Iconic Boeing Autopilot Feature:** Integrated into the throttle quadrant for controlling the aircraft's altitude, airspeed, and heading.

BOEING **AUTOPILOT** FUNCTION



Image: The throttle quadrant's dedicated Boeing autopilot control knob and buttons.

- **Swappable Throttle Levers:** Includes four levers (two throttle, one speed brake, one flaps) that can be interchanged to customize your flight experience.



QUADRANT **SWAPPABLE** LEVERS



Image: The throttle quadrant showcasing its swappable levers for different aircraft configurations.

- **35 Action Buttons & Magnetic Technology:** Both the yoke and throttle quadrant feature numerous programmable buttons and magnetic technology for precise, high-resolution control on main axes.



MAGNETIC TECHNOLOGY

(16 bits resolution)



Image: The throttle quadrant highlighting its magnetic technology for enhanced precision.

- **Integrated Flight Controllers:** Automatically recognized and integrated into Microsoft Flight Simulator (sold separately) on Xbox Series X|S and PC.
- **Additional Axes on Yoke:** The yoke base includes two extra axes for enhanced control options.



Image: Close-up of the yoke base, showing the two additional built-in axes for extra control.

5. OPERATING INSTRUCTIONS

5.1. Initial Connection and Driver Installation

For PC users, it is recommended to visit the Thrustmaster support website to download and install the latest drivers and firmware for the TCA Yoke PACK Boeing Edition. This ensures optimal performance and compatibility. For Xbox Series X|S, the device should be plug-and-play.

5.2. Calibration

After initial setup, it is advisable to calibrate both the yoke and throttle quadrant through your system's game controller settings (Windows) or within the flight simulator software. This ensures accurate input registration.

5.3. In-Game Configuration

Within your flight simulator (e.g., Microsoft Flight Simulator), access the control settings to map the various buttons and axes of the yoke and quadrant to your preferred functions. The included poster provides suggested mappings for common controls.

5.4. Using the Autopilot Function

The autopilot controls on the throttle quadrant allow for precise adjustments of altitude, heading, and airspeed. Familiarize yourself with these controls for enhanced flight management.

6. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	4460210
Product Dimensions	19 x 15 x 19 inches
Item Weight	2.9 pounds
Compatibility	Xbox Series X S, PC (Windows)
Yoke Travel Range	8.3 inches (21 cm)
Connectivity	USB, TFRP port
Number of Action Buttons	35
Technology	Magnetic (H.E.A.R.T. HallEffect Accurate Technology)

7. CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your Thrustmaster TCA Yoke PACK Boeing Edition, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the yoke and quadrant. Avoid abrasive cleaners or solvents that could damage the finish.
- **Storage:** When not in use, store the devices in a clean, dry environment away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure all cables are neatly routed and not under tension to prevent damage to connectors.

8. TROUBLESHOOTING

If you encounter any issues with your Thrustmaster TCA Yoke PACK Boeing Edition, please refer to the following common troubleshooting steps:

- **Device Not Recognized:** Ensure all USB connections are secure. For PC, verify that the latest drivers are installed and the PC/Xbox switch is set to 'PC'. Try connecting to a different USB port.
- **Incorrect Input/Calibration Issues:** Recalibrate the device through your system's game controller settings or within the flight simulator. Check for any conflicting control profiles in your game.
- **Stuck or Loose Yoke/Levers:** Inspect for any physical obstructions. If the issue persists, and you have installed the additional spring, ensure it is correctly seated.
- **Software/Firmware Updates:** Regularly check the official Thrustmaster support website for any available firmware updates, which can resolve known issues and improve performance.

9. WARRANTY AND CUSTOMER SUPPORT

Related Documents - 4460210

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