Ricoh RICOH THETA X

Ricoh Theta X 360° Camera Instruction Manual

Comprehensive guide for setting up, operating, and maintaining your Ricoh Theta X camera.

Introduction

The Ricoh Theta X is an advanced 360-degree camera designed for capturing high-resolution spherical images and videos. It features a large touch screen for intuitive operation, interchangeable battery and memory card support for extended use, and robust connectivity options. This manual provides essential information to help you get the most out of your camera.

What's in the Box

Upon unboxing your Ricoh Theta X, please verify that all the following items are included:

- Ricoh Theta X Camera Body
- Rechargeable Battery (DB-110)
- Soft Case
- USB Cable (Type-C)
- Quick Start Guide

Product Overview

The Ricoh Theta X integrates several key features for superior 360-degree capture:

- **High-Resolution Imaging:** Capture 11K (approx. 60MP) still images and 5.7K (5760 x 2880 at 30fps) 360-degree videos with enhanced image stabilization.
- **Large Touch Screen:** A 2.25-inch OLED touch screen allows for direct preview, setting adjustments, and image viewing without a smartphone.
- **Interchangeable Power & Storage:** The camera supports an interchangeable battery and external microSDXC memory cards, enabling extended shooting sessions.
- **Built-in GPS:** Accurate positional information can be embedded in your photos and videos.
- **RAW (HDR-DNG) Support:** For professional editing, images can be saved in RAW format.
- **Android-based OS:** Allows for expanded functionality through third-party plug-ins.

Camera Components




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Figure 1: Front view of the Ricoh Theta X, highlighting the main lens and touch screen.

The camera features a sleek, compact design. The front includes the primary 360-degree lens and the intuitive 2.25-inch OLED touch screen. The side panels house the power button, mode button, and the battery/microSD card compartment.



Figure 2: Key specifications of the Ricoh Theta X, including battery life, resolution, and built-in memory.

This image illustrates the camera's performance capabilities, such as its battery life for both still images and video, and its impressive resolution for both photo and video capture. It also confirms the internal storage capacity.



Figure 3: Physical dimensions and weight of the Ricoh Theta X camera.

The compact and lightweight design of the Theta X makes it highly portable, as shown by its precise dimensions and body weight.

Setup

1. Charging the Battery

Before first use, fully charge the included DB-110 battery. Connect the camera to a USB power source using the supplied USB Type-C cable. The charging indicator light will show the charging status.

2. Inserting Battery and Memory Card

The Ricoh Theta X supports interchangeable batteries and external microSDXC cards for expanded storage. This allows for extended shooting without interruption.

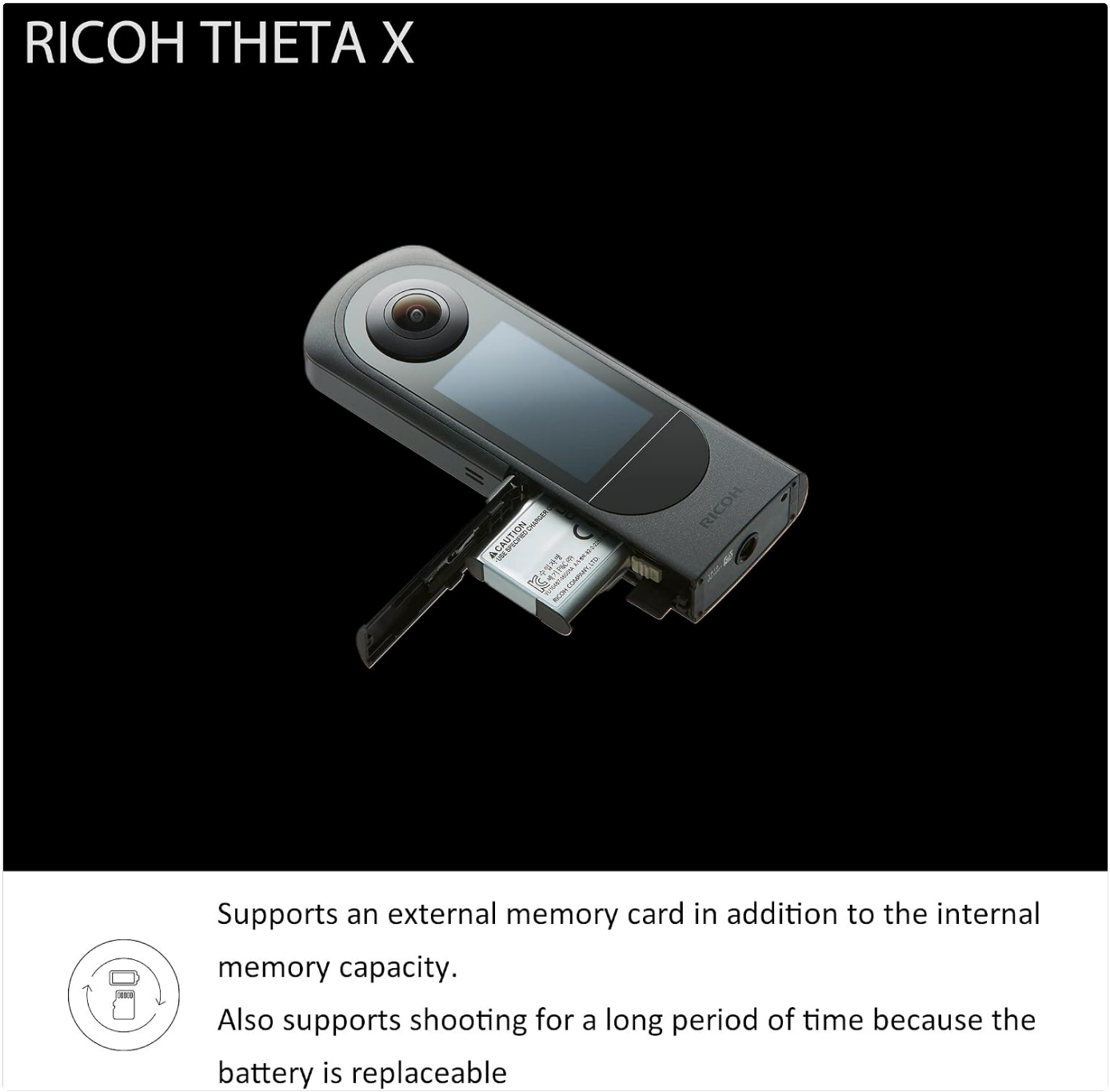


Figure 4: Inserting the battery and microSD card into the Ricoh Theta X.

1. Locate the battery/memory card compartment cover on the side of the camera.
2. Open the cover gently.
3. Insert the DB-110 battery into its slot, ensuring correct orientation.
4. Insert a compatible microSDXC card (sold separately) into the memory card slot until it clicks into place.
5. Close the compartment cover securely.

3. Powering On/Off

Press and hold the power button located on the side of the camera until the screen illuminates to power on. To power off, press and hold the power button again until the screen shuts down.

Operating the Camera

1. Using the Touch Screen Display

The 2.25-inch touch screen allows for direct control of the camera. You can preview scenes, adjust shooting settings, and review

captured images directly on the device. Tap icons to select modes or settings, and swipe to navigate menus or browse images. A touch shutter function is available, allowing you to take a photo by simply tapping on the touch screen display.

2. Shooting Modes

Easily switch between various shooting modes using the mode button on the camera or through the touch screen interface:

- **Still Image Mode:** Capture high-resolution 360-degree photos. Supports 11K (approx. 60MP) and 5.5K resolutions.
- **Video Mode:** Record immersive 360-degree videos. Supports 5.7K (5760 x 2880 at 30fps) and 4K resolutions.
- **Custom Settings Mode:** Access and apply your personalized shooting configurations.
- **Livestreaming Mode:** Stream 360-degree content live.
- **Plug-in Mode:** Utilize expanded functionalities through installed plug-ins.

The camera also features a Time Shift Shooting mode, allowing you to capture an image without being in the frame, and a continuous shooting mode for capturing 20 still images per second (at 5.5K resolution).

3. Connecting to a Smartphone

The Ricoh Theta X can connect wirelessly to a smartphone via Bluetooth for initial pairing, eliminating the need to manually enter an SSID. Once paired, a faster Wi-Fi connection is established for high-speed image and video transfer. The THETA app allows for remote control, viewing, and sharing of content.
Images can be registered as favorites from the list shown on the touch screen display, and these favorites can be viewed on the THETA app.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your Ricoh Theta X.

- **Cleaning:** Gently wipe the camera body with a soft, dry cloth. For lenses, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided soft case to protect it from scratches and dust.
- **Handling:** While designed for portability, the camera should be handled with care. Avoid dropping it or subjecting it to strong impacts, as this can damage internal components or the lenses.
- **Firmware Updates:** Regularly check for and install firmware updates. These updates often improve performance, add new features, and address known issues. Updates can be performed directly from the camera without a computer or smartphone when connected to a wireless router in client mode.

Troubleshooting

This section addresses common issues you might encounter with your Ricoh Theta X.

Problem	Possible Cause / Solution
Short Battery Life	◦ Battery drain is common with high-resolution capture. Ensure the battery is fully charged before use. ◦ Carry spare interchangeable batteries (e.g., DB-110) for extended shooting sessions. ◦ Reduce screen brightness or disable Wi-Fi/Bluetooth when not in use to conserve power.

Problem	Possible Cause / Solution
Camera Overheats and Shuts Down	◦ High-resolution video recording (especially 5.7K) and livestreaming can generate significant heat. ◦ Operating in warm environments can exacerbate overheating. ◦ Allow the camera to cool down. Swapping out the battery can sometimes help dissipate heat. ◦ Consider using the camera in cooler conditions or for shorter durations for demanding tasks.
Poor Image Quality / Blurry Images	◦ Ensure lenses are clean and free from smudges or dust. ◦ Verify that the camera is stable during capture; use a tripod for best results, especially in HDR mode. ◦ Check focus settings. While the camera has auto-focus, ensure it's acquiring focus correctly. ◦ Ensure sufficient lighting. Low light conditions can lead to noise and reduced sharpness.
GPS Data Not Recorded	◦ GPS functionality may require the camera to be triggered via the smartphone app for accurate data recording. ◦ Ensure the camera has a clear view of the sky to acquire satellite signals.
Cannot Connect to Smartphone	◦ Ensure Bluetooth and Wi-Fi are enabled on both the camera and your smartphone. ◦ Restart both devices. ◦ Forget the device in your phone's Wi-Fi settings and re-pair via Bluetooth. ◦ Ensure the THETA app is updated to the latest version.

Specifications

Feature	Detail
Brand	Ricoh
Model Name	RICOH THETA X
Model Number	910844
Effective Still Resolution	Approx. 48 Megapixels (Output: Approx. 60 Megapixels)
Video Capture Resolution	5.7K (5760 x 2880) at 30fps, 4K (3840 x 1920) at 60fps/30fps, 2K (1920 x 960) at 30fps
Photo Sensor Technology	CMOS (1/2-inch)
Maximum Aperture	f/2.4
Flash Memory Type	SDXC (External), 46 GB (Internal)
Screen Size	2.25 inches
Connectivity Technology	Wi-Fi, Bluetooth

Feature	Detail
Built-in Features	GPS, Image Stabilization
Battery Type	Lithium Ion (DB-110, interchangeable)
Item Weight	0.74 Pounds (approx. 335g)
Dimensions (D x W x H)	9.1"D x 9.1"W x 9.1"H
Supported Image Format	JPEG, RAW (HDR-DNG)
Supported Audio Format	AAC-LC

Note: Some specifications, such as dimensions, may refer to packaging or shipping details. Refer to the Product Overview section for precise device dimensions.

Warranty and Support

Warranty Information

The Ricoh Theta X comes with a **1-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.
For detailed warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official Ricoh support website.

Customer Support

Should you encounter any issues not covered in the troubleshooting section, or require further assistance, please contact Ricoh customer support. You can typically find contact information (phone, email, or online chat) on the official Ricoh website or through the support section of the THETA app.
Before contacting support, it is helpful to have your camera's model number (RICOH THETA X, Model 910844) and serial number ready.

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Email

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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