

## YONGNUO YN622C-TX

# YONGNUO YN622C-TX E-TTL Wireless Flash Controller Instruction Manual

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## 1. INTRODUCTION

This instruction manual provides comprehensive guidance for the YONGNUO YN622C-TX E-TTL Wireless Flash Controller. This device serves as a master control unit for YONGNUO YN622C, YN622C II, and YN685 transceivers, enabling advanced wireless flash control for compatible Canon DSLR cameras. It features an LCD interface for user-friendly operation and supports various flash modes and sync functions.

### 1.1 Package Contents

- 1 x YN-622C-TX Controller
- 1 x LS-2.5/C1 Shutter Connecting Cable
- 1 x LS-2.5/C3 Shutter Connecting Cable
- 1 x User Manual (English)
- 1 x Original Product Box

### 1.2 Compatible Cameras

The YN622C-TX is compatible with a range of Canon DSLR cameras, including but not limited to:

- Canon 1Ds, 1D series
- Canon 5D, 5DII, 5DIII, 7D
- Canon 40D, 50D, 60D, 70D
- Canon 400D, 450D, 500D, 550D, 600D, 650D
- Canon 1000D, 1100D

## 2. PRODUCT OVERVIEW

The YONGNUO YN622C-TX is designed for intuitive control of your wireless flash system. Familiarize yourself with

its key components:



**Figure 2.1:** Front view of the YN622C-TX controller, displaying its LCD screen and control buttons. The screen shows group settings (A, B, C), flash modes (E-TTL, Manual, Super Sync), and channel information.

## 2.1 Main Components

- **LCD Interface:** Displays current settings, flash modes, group assignments, and channel information.
- **Control Buttons:**
  - **GROUP:** Selects flash groups (A, B, C).
  - **MODE:** Cycles through flash modes (E-TTL, Manual, Multi).
  - **AF/SS:** Autofocus assist beam / Super Sync.
  - **ZOOM/CH:** Adjusts flash zoom and changes channels.

- **Directional Pad:** Navigates menus and adjusts values.
  - **CLEAR:** Resets settings or clears options.
  - **TEST:** Manually triggers a test flash.
  - **ON/OFF:** Power switch.
- **Hot Shoe Mount:** For attaching the controller to your camera's hot shoe.
  - **PC Sync Port:** For wired connection to studio strobes or other flash units.
  - **USB Port:** For firmware updates.
  - **Battery Compartment:** Houses 2 AA batteries.



**Figure 2.2:** Angled view of the YN622C-TX, highlighting the ergonomic button layout and overall compact design.



**Figure 2.3:** Side view of the YN622C-TX, illustrating the PC sync port for wired connections and the USB port for firmware updates.

## 3. SETUP

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### 3.1 Battery Installation

1. Locate the battery compartment cover on the underside of the YN622C-TX controller.
2. Slide the cover open in the direction indicated by the arrow.
3. Insert two (2) AA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.



**Figure 3.1:** The open battery compartment of the YN622C-TX, showing the slots for two AA batteries.

## 3.2 Mounting on Camera

1. Ensure the camera and YN622C-TX are powered off.
2. Slide the YN622C-TX's hot shoe mount into your camera's hot shoe.
3. Tighten the locking wheel on the YN622C-TX to secure it firmly to the camera.

## 3.3 Connecting to Flash Units

The YN622C-TX communicates wirelessly with YONGNUO YN622C, YN622C II, or YN685 transceivers attached to your flash units. Ensure these transceivers are also powered on and set to the same channel as the YN622C-TX.

- Attach a compatible YONGNUO transceiver (e.g., YN622C II) to the hot shoe of your external flash unit.
- Power on the flash unit and the transceiver.
- Set the transceiver to the desired group (A, B, or C) and channel.
- Repeat for all additional flash units you wish to control wirelessly.

## 4. OPERATION

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### 4.1 Powering On/Off

- To power on, slide the **ON/OFF** switch to the "ON" position. The LCD screen will illuminate.
- To power off, slide the **ON/OFF** switch to the "OFF" position.

### 4.2 LCD Interface and Navigation

The LCD screen displays all relevant settings. Use the directional pad to navigate through options and adjust values. Press the center button of the directional pad to confirm selections.

### 4.3 Flash Modes and Group Control

- Press the **MODE** button to cycle through available flash modes:
  - **E-TTL (II)**: Automatic flash exposure.
  - **Manual**: Manually set flash power output.
  - **Multi Mode**: Stroboscopic flash for multiple flashes during a single exposure.
- Press the **GROUP** button to select and adjust settings for individual flash groups (A, B, C). You can set different modes and power levels for each group.

### 4.4 Sync Modes and High-Speed Sync (HSS)

- The YN622C-TX supports 1st-curtain sync, 2nd-curtain sync, and High-Speed Sync (Auto FP).
- To activate HSS, ensure your camera and flash units support it. The YN622C-TX can achieve a maximum sync speed of 1/8000s.
- Use the **AF/SS** button for autofocus assist or Super Sync functions.

### 4.5 Zoom Control and Channel Selection

- Press the **ZOOM/CH** button to adjust the zoom of the remote flash heads.
- Hold the **ZOOM/CH** button to enter channel selection mode. Use the directional pad to select one of the 7 available channels. Ensure all transceivers are set to the same channel to avoid interference.

### 4.6 Test Firing

Press the **TEST** button to manually trigger all connected flash units. This is useful for checking connectivity and flash output before shooting.

### 4.7 Firmware Updates

The YN622C-TX features a USB port for firmware updates. Visit the YONGNUO official website for the latest firmware and instructions on how to update your device.

## 5. MAINTENANCE

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- **Cleaning**: Use a soft, dry cloth to clean the exterior of the controller. Avoid using harsh chemicals or abrasive materials. For the hot shoe contacts, use a clean, dry cotton swab.
- **Battery Care**: Remove batteries if the controller will not be used for an extended period to prevent leakage. Use high-quality AA batteries for optimal performance.
- **Storage**: Store the controller in a cool, dry place away from direct sunlight and extreme temperatures. Protect the LCD screen from scratches.

## 6. TROUBLESHOOTING

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If you encounter issues with your YN622C-TX, refer to the following common solutions:

- **Controller Not Powering On**:
  - Check if batteries are inserted correctly and have sufficient charge.
  - Ensure the ON/OFF switch is fully in the "ON" position.
- **Flashes Not Firing**:



- Verify that the YN622C-TX and all transceivers are powered on.
- Confirm that all devices are set to the same channel.
- Check that the flash units are properly mounted on their respective transceivers and are powered on.
- Ensure the camera's hot shoe contacts are clean and the YN622C-TX is securely mounted.

- **Incorrect Exposure (E-TTL):**

- Check camera exposure settings (ISO, aperture, shutter speed).
- Ensure flash exposure compensation (FEC) is not set too high or too low on the controller or camera.
- Verify that the flash units are within effective range and not obstructed.

- **LCD Screen Scratched/Damaged:**

While the device is robust, physical impact can damage the LCD. Handle with care. If the screen is unreadable, replacement may be necessary.

- **Battery Compartment Cover Loose:**

The battery cover is designed to be removable. Ensure it is securely closed after battery installation. If lost, contact YONGNUO support for a replacement.

For more detailed troubleshooting, please refer to the full user manual included in your package or visit the YONGNUO support website.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	YN622C-TX
Product Dimensions	4.72 x 3.15 x 1.57 inches
Item Weight	5.3 ounces
Power Source	2 AA batteries
Special Features	1st-curtain sync, 2nd-curtain sync, High-Speed Sync (HSS/Auto FP)
Max Sync Speed	1/8000s
Number of Groups	3 (A/B/C)
Flash Modes	E-TTL (II), Manual, Multi
Compatible Devices	Canon DSLR cameras (as listed in Section 1.2)
Firmware Update	Via USB port

## 8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official YONGNUO website. Keep your purchase receipt as proof of purchase for warranty claims.

**YONGNUO Official Website:** [www.yongnuo.com.cn](http://www.yongnuo.com.cn)

