Hanpusen TR-90

Hanpusen TR-90 Camera Timer Remote Shutter Release for Nikon

USER MANUAL

1. Introduction

The Hanpusen TR-90 is a versatile camera timer remote shutter release designed to provide precise control over your camera's shutter. It is ideal for various photography techniques, including time-lapse, long exposure, and situations requiring a stable, shake-free shutter release. This manual will guide you through the setup, operation, and maintenance of your TR-90 remote.

Key features include:

- **Automatic Operation:** Supports time-lapse shooting (0s-99hrs 59min 59s), long exposure (0s-99hrs 59min 59s), and interval settings (1s-99hrs 59min 59s).
- **Number of Shots:** Configurable from 1 to 399 shots, or unlimited.
- **Manual Release:** Allows half-press for autofocus and full-press for shutter release without touching the camera.
- **Easy Configuration:** Intuitive selector buttons for setting modes and values.
- **Instant Reset:** Quick reset function to clear all timer settings.

2. Product Overview

Familiarize yourself with the components of your Hanpusen TR-90 remote shutter release:

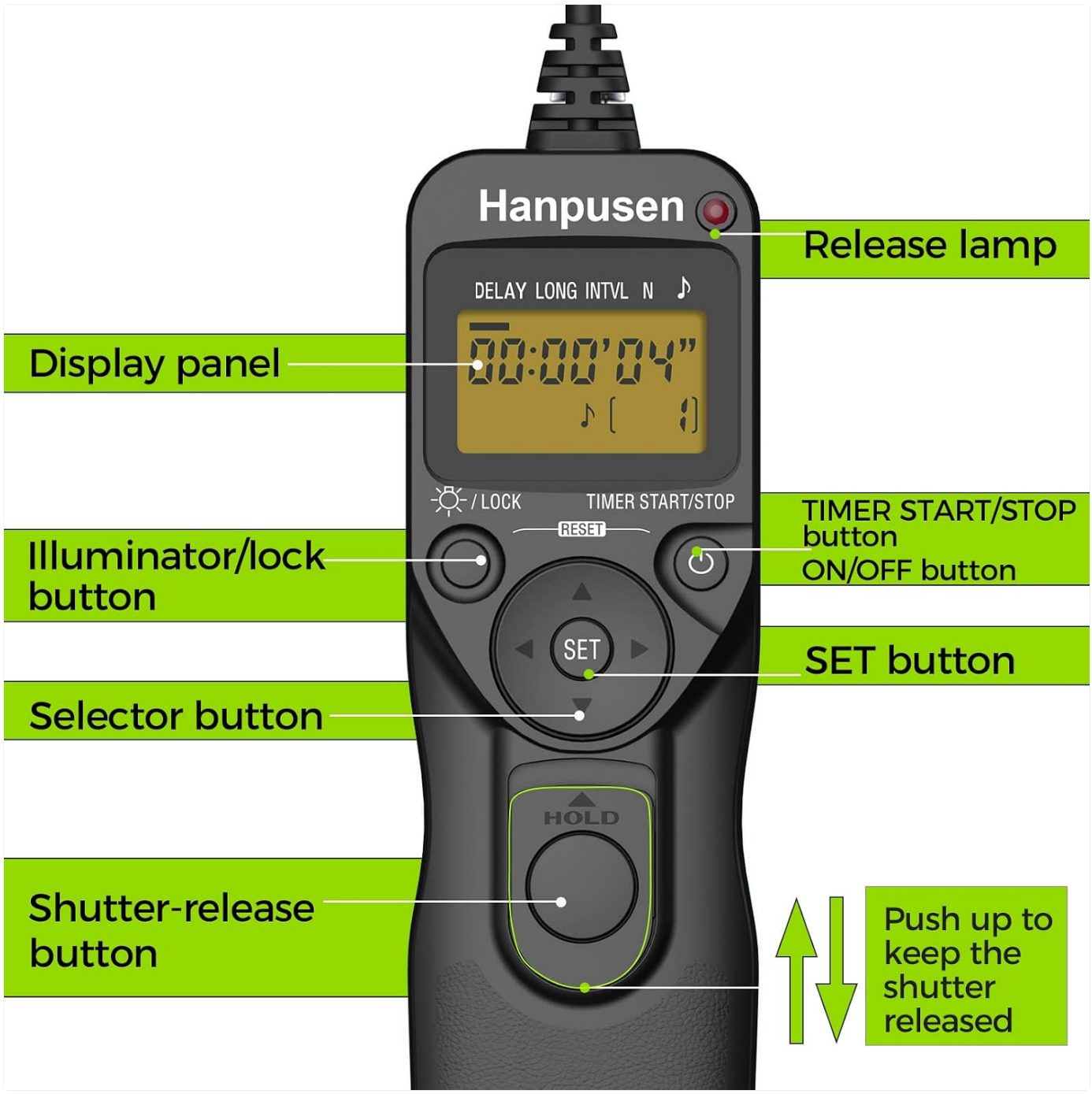

Figure 2.1: Hanpusen TR-90 Remote Shutter Release with labeled parts.

- **Release Lamp:** Indicates operation status.
- **Display Panel:** Shows current settings and timer information.
- **Illuminator/Lock Button:** Activates backlight for the display and locks controls.
- **Timer Start/Stop Button:** Initiates or halts the timer sequence.
- **ON/OFF Button:** Powers the device on or off.
- **SET Button:** Confirms selections and enters setting modes.
- **Selector Buttons (Up/Down/Left/Right):** Navigates menus and adjusts values.
- **Shutter-Release Button (HOLD):** Manual shutter control; half-press for autofocus, full-press for shutter, slide up to lock for bulb mode.

3. Setup

3.1 Battery Installation

The TR-90 remote requires two AAA 1.5V LR03 Alkaline batteries (not included). To install:

1. Open the battery compartment cover on the back of the remote.
2. Insert two AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.



Figure 3.1: Physical dimensions and power requirements of the Hanpusen TR-90.

3.2 Connecting to Camera

Connect the remote to your compatible Nikon camera using the provided cable:

1. Ensure your camera is powered off before connecting the cable.
2. Plug the small end of the connection cable into the remote control's port.
3. Plug the other end of the connection cable into your camera's remote terminal port.
4. Power on your camera.

4. Operating Modes

4.1 Manual Shutter Release

The TR-90 can be used as a standard wired remote shutter release to prevent camera shake during manual shooting:

- **Half-Press:** Gently press the large Shutter-Release button halfway down to activate your camera's autofocus.
- **Full-Press:** Press the Shutter-Release button completely down to trigger the shutter.
- **Bulb Mode (Long Exposure):** Slide the Shutter-Release button upwards to lock it in the fully pressed position for extended exposures (Bulb mode). Slide it back down to release.



Figure 4.1: Shutter Release Button functions for various shooting modes.

4.2 Automatic Timer Functions (Intervalometer)

The TR-90 excels in programmed shooting sequences. To access and configure timer settings:

1. Press the ON/OFF button to power on the remote.
2. Use the Left/Right Selector buttons to navigate between the different timer parameters on the display: DELAY, LONG, INTVL (Interval), and N (Number of Shots).

3. Once a parameter is selected, use the Up/Down Selector buttons to adjust its value. Press the SET button to confirm the value and move to the next digit or parameter.

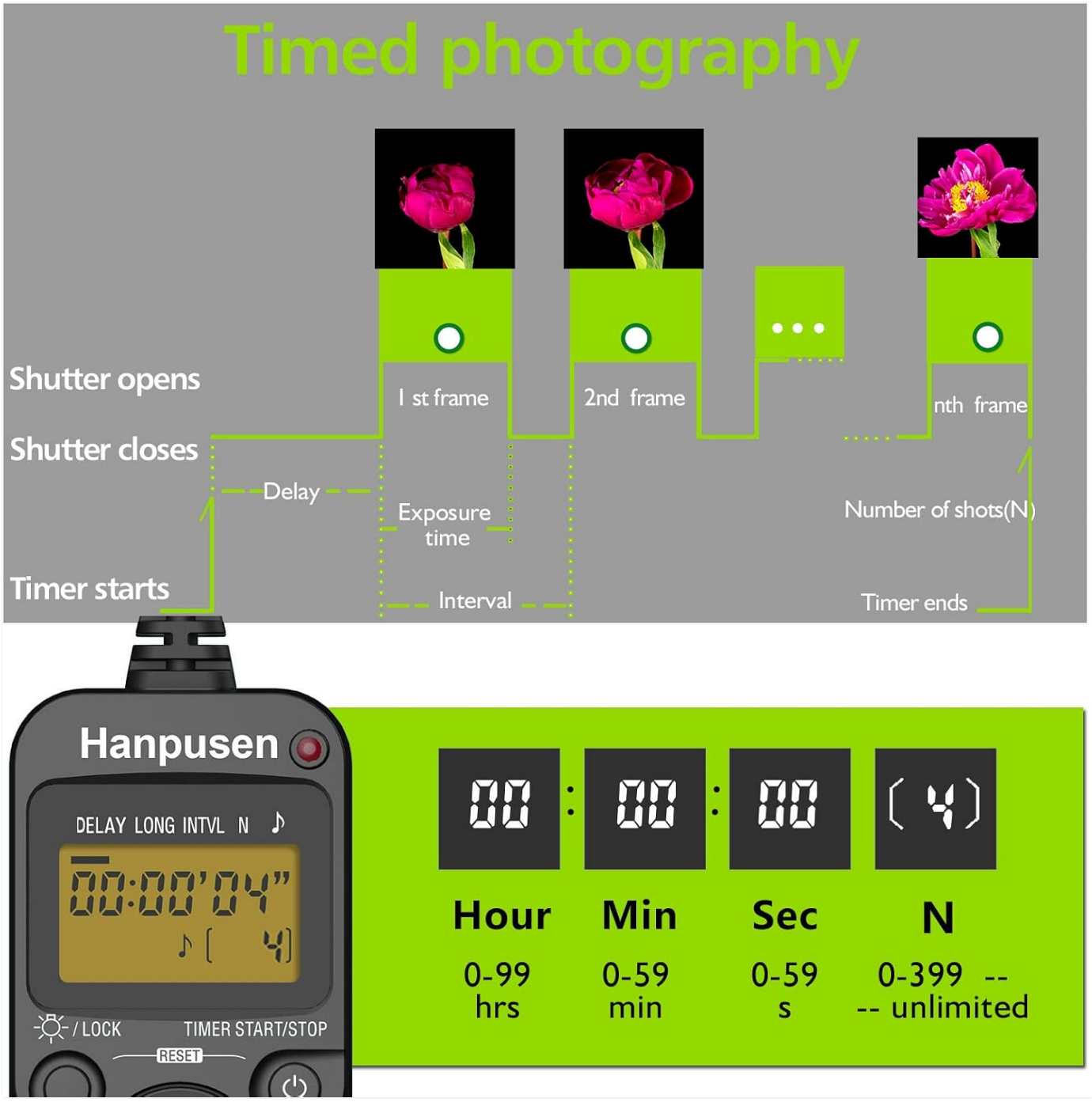

Figure 4.2: Timed photography sequence diagram.

- **DELAY:** Sets the delay time before the first shot is taken (0s to 99hrs 59min 59s).
- **LONG:** Sets the exposure duration for each shot (0s to 99hrs 59min 59s). This is equivalent to Bulb mode if set to a long duration.
- **INTVL (Interval):** Sets the time between consecutive shots (1s to 99hrs 59min 59s).
- **N (Number of Shots):** Sets the total number of photos to be taken (1 to 399, or "--" for unlimited).
- **Mute Beeper:** The remote features an audible beeper. You can mute this sound if desired, typically indicated by a musical note icon on the display.

After configuring all desired parameters, press the TIMER START/STOP button to begin the programmed sequence. The display will show the countdown and remaining shots.



Figure 4.3: The TR-90 is an intervalometer for time-lapse photography.



Figure 4.4: Example settings for shooting a time-lapse of the Milky Way.



Figure 4.5: The TR-90 can be used for various applications such as solar eclipse, macro, fireworks, and night sky photography.

5. Clearing Timer Settings

To quickly clear all current timer settings and return to default, press the**TIMER START/STOP** button and the **Illuminator/Lock** button simultaneously. This allows for rapid reconfiguration without adjusting each mode individually.

6. Compatible Camera Models (N10 for Nikon)

This Hanpusen TR-90 (N10 version) is compatible with the following Nikon camera models:

- Nikon Df, Z7, Z7 II, Z6, Z6 II, Z5
- Nikon D750, D780, D7500, D7200, D7100, D7000
- Nikon D5600, D5500, D5300, D5200, D5100, D5000
- Nikon D3300, D3200, D3100, D610, D600, D90
- Nikon COOLPIX A, COOLPIX P1000, COOLPIX P7700, COOLPIX P7800, COOLPIX P950



Figure 6.1: The N10 version of the Hanpusen TR-90 is designed for Nikon cameras.

7. Specifications

Feature	Detail
Model Number	TR-90
Product Dimensions	6.1 x 1.6 x 0.7 inches
Item Weight	5 ounces
Power Supply	2 AAA batteries (not included)
Cord Length	Approximately 33.5 inches
Max Number of Supported Devices	1

Feature	Detail
Special Feature	Ergonomic design
Manufacturer	HANPUSEN

8. Troubleshooting

- **Remote not powering on:** Check if the AAA batteries are correctly installed and have sufficient charge. Replace if necessary.
- **Camera not responding:** Ensure the connection cable is securely plugged into both the remote and the camera. Verify the camera is powered on and in a compatible shooting mode (e.g., single shot, continuous, bulb).
- **Timer sequence not starting:** Confirm all timer settings (DELAY, LONG, INTVL, N) are correctly configured and then press the TIMER START/STOP button.
- **Display is dim:** Press the Illuminator/Lock button to activate the backlight.

9. Maintenance

- Keep the remote clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Store the remote in a cool, dry place away from direct sunlight and extreme temperatures.
- Remove batteries if the remote will not be used for an extended period to prevent leakage.
- Handle the connection cable carefully to avoid bending or damaging the connectors.

10. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Hanpusen customer service through their official channels. Keep your proof of purchase for warranty claims.

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