ZOHAN FT01

ZOHAN FT01 Deer Feeder Timer Instruction Manual

Universal 6V/12V Automatic Feeder Accessory

1. Introduction

The ZOHAN FT01 Deer Feeder Timer is designed to provide automated and precise feeding schedules for various wildlife and farm applications. This universal timer is compatible with most 6V and 12V feeder kits, offering customizable settings for feeding duration, motor speed, and up to 8 daily feeding events. This manual provides comprehensive instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance of your feeder timer.



Image 1.1: The ZOHAN FT01 Deer Feeder Timer in an outdoor setting, demonstrating its application with wildlife.

2. Product Overview

2.1 Key Features

- **Universal Compatibility:** Works with most 6V/12V feeder kits.
- **Customizable Feeding Schedules:** Up to 8 daily feeding times.
- **Adjustable Feeding Duration:** 1 to 30 seconds per feeding event.
- **Three Motor Speed Settings:** Low (LO), Medium (MED), High (HI) for varied feed distribution.
- **Quick-Adjust Function:** Modify individual feeding times without resetting the entire schedule.
- **One-Touch Test Mode:** Verifies motor and spinner function.
- **User-Friendly Interface:** Intuitive buttons and clear LCD display.
- **Overload Protection:** Includes a replaceable fuse for enhanced safety.

2.2 Package Contents

- ZOHAN FT01 Feeder Timer ×1
- 6V Motor Flat-Plug Connector ×1
- Illustrated Quick-Start Guide ×1

2.3 Timer Display and Buttons



Image 2.1: Detailed view of the ZOHAN FT01 Feeder Timer's LCD display and control buttons, indicating functions such as Battery Level, Supply Voltage, Time, Duration, Motor Speed, Program (P), Up/Down arrows, Test (T), and Reset.

The LCD screen displays current time, battery level, supply voltage, feeding duration, and motor speed. The buttons include:

- **P (Program) Button:** Used to enter programming mode and confirm settings.
- ∧ **(Up Arrow) Button:** Used to increase values or navigate forward.
- ∨ **(Down Arrow) Button:** Used to decrease values or navigate backward.
- **T (Test) Button:** Activates test mode or confirms settings in certain modes.
- **Reset Button:** Resets the timer to factory defaults (located on the bottom).

3. Setup

3.1 Connecting the Timer

Ensure the feeder kit is powered off before making any connections. The ZOHAN FT01 timer is designed for quick installation with 6V/12V feeder kits.

1. **Connect to Battery:** Connect the timer's red wire to the positive (+) terminal of your 6V or 12V battery and the black wire to the negative (-) terminal. Ensure a secure connection.
2. **Connect to Feeder Motor:** Connect the timer's motor wires to your feeder motor. If your motor uses a flat-plug connector, utilize the included adapter. Ensure correct polarity if not using a keyed connector.
3. **Fuse Installation:** The timer includes an inline fuse for overload protection. Ensure the fuse is properly seated in its holder.

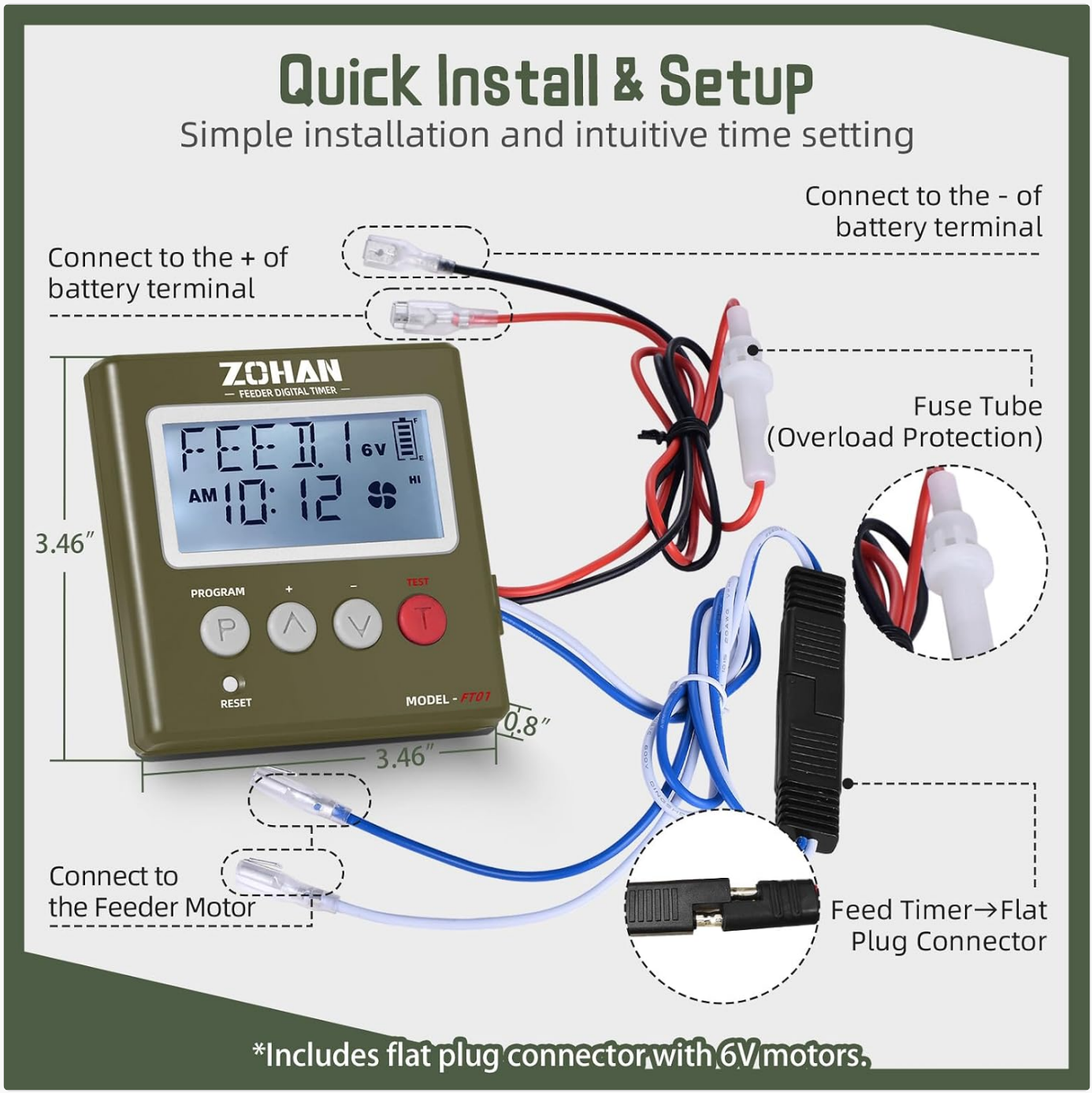


Image 3.1: Visual guide for connecting the ZOHAN FT01 Feeder Timer, illustrating connections to the battery terminals and the feeder motor, including the flat-plug connector and fuse tube.

3.2 Initial Power-On and Connection Check

After connecting the timer, the LCD screen should illuminate. It is recommended to perform a quick connection check to ensure the motor is functioning correctly.

1. Press the **T (Test)** button.
2. The motor should activate for a short period (e.g., 1-5 seconds).
3. If the motor does not activate, check all connections and battery charge.

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Video 3.1: An official product video demonstrating the ZOHAN FT01 Feeder Digital Timer's connection and test function, showing how to verify motor operation after setup.

4. Operating Instructions

4.1 Setting the Clock

Before programming feeding schedules, set the current time and day.

1. Press and hold the **P (Program)** button until the time display flashes.
2. Use the ∧ and ∨ buttons to adjust the hour. Press **P** to confirm.
3. Adjust the minute using ∧ and ∨ buttons. Press **P** to confirm.
4. Adjust AM/PM (if applicable) and the day of the week similarly, confirming each step with **P**.
5. Press **T (Test)** to exit clock setting mode.

4.2 Programming Feeding Schedules

The FT01 allows up to 8 distinct feeding schedules per day.



Image 4.1: Illustration of the ZOHAN FT01 Feeder Timer's capability to program up to 8 daily feeding events, each with adjustable duration.

1. From the main screen, press the **P (Program)** button repeatedly until "FEED 1" appears and flashes.
2. Use ∧ and ∨ buttons to set the desired feeding hour for FEED 1. Press **P** to confirm.
3. Set the minute for FEED 1. Press **P** to confirm.
4. Set the feeding duration (1-30 seconds) using ∧ and ∨ buttons. Press **P** to confirm.
5. Set the motor speed (LO, MED, HI) using ∧ and ∨ buttons. Press **P** to confirm.
6. Repeat steps 2-5 for FEED 2 through FEED 8 as needed. If a feeding time is not desired, set its time to "--:--" or ensure it is not programmed.
7. After programming all desired feeds, press **T (Test)** to exit programming mode.

4.3 Adjusting Motor Speed

The FT01 offers three motor speed settings to control the spread of feed.



Image 4.2: Visual representation of the three adjustable motor speed settings (LO, MED, HI) on the ZOHAN FT01 Feeder Timer, influencing the feed distribution range.

- **LO (Low):** For a smaller, more concentrated feed pattern.
- **MED (Medium):** For a balanced, moderate feed spread.
- **HI (High):** For a wider feed distribution.

Motor speed is set individually for each feeding schedule during the programming process (Section 4.2, Step 5).

4.4 Quick Adjust Mode

This feature allows modification of a single feeding time without altering the entire schedule.

1. From the main screen, use the ∧ or ∨ buttons to cycle through the programmed feeding times (FEED 1 to FEED 8).
2. When the desired feeding time is displayed, press and hold**P (Program)** until the time flashes.
3. Adjust the hour, minute, duration, or motor speed as needed using the∧ and ∨ buttons, confirming each change with **P**.

4. Press **T (Test)** to save changes and exit.

4.5 Test Mode

The one-touch test mode allows for manual activation of the feeder motor to verify functionality or for manual feeding.

- From the main screen, press the **T (Test)** button.
- The motor will activate for a preset duration (typically a few seconds).
- To stop the test manually, press **T** again.

5. Maintenance

Regular maintenance ensures the longevity and reliable operation of your ZOHAN FT01 Feeder Timer.

- **Battery Check:** Periodically check the battery level displayed on the LCD. Replace or recharge batteries as needed to prevent power interruptions.
- **Cleaning:** Keep the timer's exterior clean from dirt, dust, and moisture. Use a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Connections:** Ensure all electrical connections (battery, motor) remain secure and free from corrosion.
- **Fuse Replacement:** The timer is equipped with a replaceable fuse for overload protection. If the timer stops functioning unexpectedly, check the fuse. Replace it with a fuse of the same type and rating if blown.
- **Storage:** If storing the feeder timer for an extended period, disconnect it from the battery and store it in a cool, dry place.

6. Troubleshooting

If you encounter issues with your ZOHAN FT01 Feeder Timer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Timer display is blank or not turning on.	No power, low battery, incorrect battery connection, blown fuse.	Check battery charge. Ensure battery connections are secure and correct polarity. Inspect and replace the fuse if necessary.
Feeder motor does not activate during scheduled times or test mode.	Incorrect motor connection, motor malfunction, low battery, timer not programmed correctly.	Verify motor connections. Ensure battery has sufficient charge. Re-check programmed feeding schedules. Test motor directly if possible.
Feeding times are inaccurate or inconsistent.	Clock not set correctly, programming error, battery issues.	Re-set the current time and day. Review and re-program all feeding schedules carefully. Ensure stable power supply.
Motor speed setting does not seem to change feed spread.	Motor issue, feed type, environmental factors.	Ensure motor is functioning correctly. Consider the type and size of feed. Wind conditions can affect spread.
Buttons are unresponsive.	Timer frozen, internal error, physical damage.	Try pressing the Reset button (located on the bottom). If the issue persists, contact customer support.

7. Specifications

Feature	Detail
Brand	ZOHAN
Model Number	FT01
Power Source	Battery Powered (6V/12V compatible)
Feeding Schedules	Up to 8 per day
Feeding Duration	1-30 seconds (adjustable)
Motor Speed Settings	Low, Medium, High
Material	Durable ABS Shell, Silicone Buttons, Long-life Cable
Item Dimensions (L x W x H)	3.46" x 0.8" x 3.46"
Included Components	Feeder Digital Timer, Flat Plug Connector, Manual
Target Species	Deer (Universal for various wildlife/farm applications)

8. Warranty and Support

8.1 Manufacturer's Warranty

The ZOHAN FT01 Deer Feeder Timer comes with a**1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact ZOHAN customer service. Our support team is available 24/7 to assist you with your wildlife feeding needs.

Contact Information: Refer to the quick-start guide or product packaging for the most current customer service contact details.

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Example: How do I reset this device or fix this error?

Details

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