



Smart Automatic Fish Feeder

User Manual

Feed your fish on time, every time.

Powered by Arduino UNO and a DS3231 real-time clock for precise, scheduled feeding. Read this manual before first use and keep it for future reference.

CONTROLLER
Arduino UNO

TIMEKEEPING
DS3231 RTC

WARRANTY
3 years

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01 What's Included

- Smart Automatic Fish Feeder Unit
- Arduino UNO Control System
- DS3231 Real-Time Clock
- Servo Motor
- Food Container
- Power Connection
- User Instructions

02 Maintenance

- Clean the food container regularly.
- Keep the food dry and free from moisture.
- Check the servo motor and dispenser regularly.
- Make sure the food outlet is not blocked.
- Check the power connection before use.

03 Safety Instructions

WARNING

- Keep the electronic components away from water.
- Do not place the Arduino board or electrical connections inside the fish tank.

04 Troubleshooting

Problem	Solution
Food is not released.	Check the food outlet, servo motor, and power supply.
Too much food is released.	Reduce the servo opening angle or reduce the outlet size.
Feeding does not happen at the correct time.	Check the programmed feeding time and the RTC time.
Servo motor does not move.	Check the servo wiring and power supply.

05 3-Year Warranty

This product comes with a **3-year warranty** against manufacturing defects.

Warranty does not cover:

- Physical damage
- Water damage
- Damage caused by misuse
- Unauthorized modifications
- Normal wear and tear

Proof of purchase may be required for warranty claims.

06 Future Improvements

- Mobile phone connectivity
- Wi-Fi/Bluetooth control
- Food-level monitoring
- Low-food alerts
- Battery backup
- Remote feeding control
- LCD information display