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> Azonanor Smart Bird Feeder with Camera User Manual

## Azonanor TV-XM-Q20-4MP

# Azonanor Smart Bird Feeder with Camera

MODEL: TV-XM-Q20-4MP

## 1. Introduction

Thank you for choosing the Azonanor Smart Bird Feeder with Camera. This innovative device allows you to observe and interact with wild birds from the comfort of your home, capturing stunning 4K HD footage and utilizing AI to identify various bird species. This manual will guide you through the installation, operation, and maintenance of your new smart bird feeder.



Figure 1: Azonanor Smart Bird Feeder with Camera Overview

The Azonanor Smart Bird Feeder features a solar panel for continuous power, a high-definition camera for capturing bird activity, and a spacious feeding tray designed to attract various bird species. It also includes attachments for fruit and hummingbird nectar.

## 2. Safety Information

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in injury or damage to the device.

- Ensure the feeder is securely mounted to prevent it from falling, especially in windy conditions.
- Keep the device away from open flames or extreme heat sources.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.
- Keep small parts and accessories out of reach of children and pets to prevent choking hazards.
- When cleaning, ensure the device is powered off and disconnected from any external power source.
- The device is IP66 waterproof, but avoid submerging it in water.

## 3. Package Contents

Verify that all components are present in the package:

- Smart Bird Feeder Camera Unit
- Mounting Kit (screws, anchors, strap for tree mounting)
- USB Charging Cable
- User Manual
- Hummingbird Feeder Attachment
- Fruit Holder Attachment

## 4. Setup

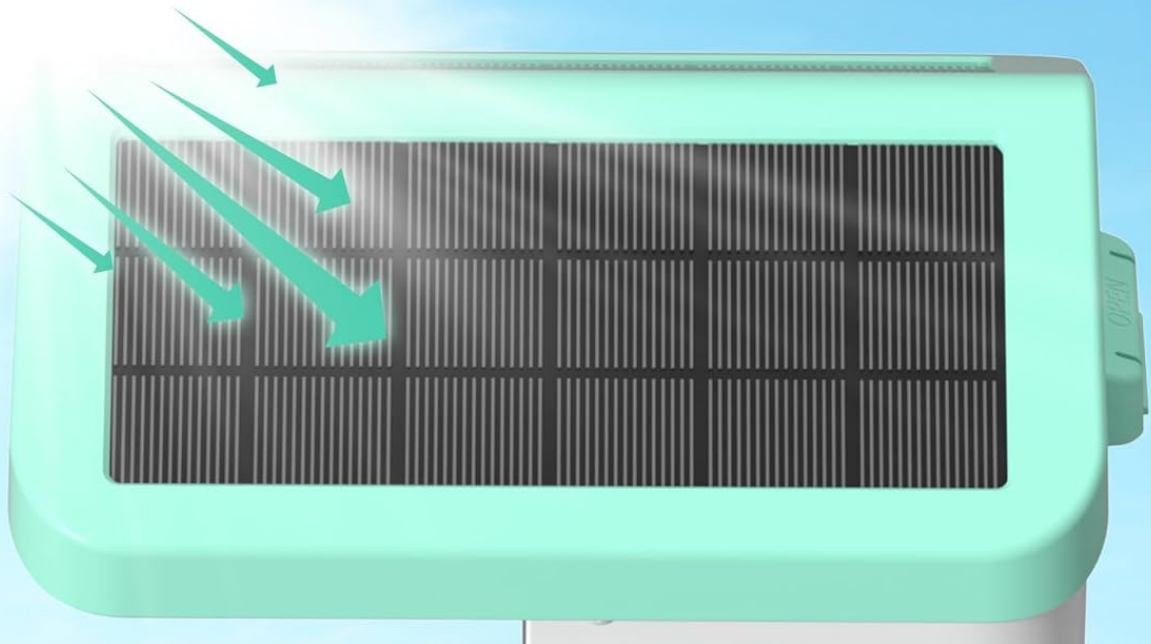
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### 4.1 Charging the Battery

Before initial use, fully charge the built-in 6000mAh rechargeable battery using the provided USB cable. The solar panel will maintain the charge during daylight hours, but a full initial charge ensures optimal performance.

# Solar Power Supply

App with built-in two-way audio and one-touch alarm for efficient



## Full Charge Quickly

6000mAh Rechargeable Battery



Figure 2: Solar Power and USB Charging

The bird feeder is equipped with a solar panel for continuous charging and a USB port for initial or supplemental charging of its 6000mAh battery.

## 4.2 Mounting the Feeder

The Azonanor Smart Bird Feeder offers multiple mounting options:

- **Wall Mount:** Use the included screws and anchors to secure the feeder to a wall.
- **Pole Mount:** Attach the feeder to a pole using appropriate clamps (not included) or the provided strap if suitable.
- **Tree Mount:** Use the provided strap to securely fasten the feeder to a tree trunk or sturdy branch. Ensure the feeder is stable and level.

Choose a location that receives ample sunlight for the solar panel and offers a clear view for the camera.

## 150° Wide Angle Real-Time Watching



Figure 3: Mounting Options and Design Features

The feeder can be mounted on walls, poles, or trees using the included accessories. It features a 1.5L seed capacity, an easy-to-install bracket, and an anti-slip stand for birds.

### 4.3 App Installation and Wi-Fi Connection

1. Download the companion mobile application (e.g., "Tris Home" or similar, refer to packaging for exact app name) from your device's app store (iOS or Android).
2. Create an account and log in.
3. Follow the in-app instructions to add your new device. You will typically scan a QR code on the camera or manually select the device type.

4. **Important:** This device supports **2.4GHz Wi-Fi networks only**. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network during the setup process. If you have a dual-band router, you may need to temporarily disable the 5GHz band or ensure your phone is connected to the 2.4GHz SSID.
5. Once connected, the camera will be accessible through the app.

## 5. Operating the Smart Bird Feeder

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### 5.1 Live View and Recording

Access the live feed from your bird feeder anytime, anywhere through the mobile app. The 4K HD camera provides clear images, and with 150° wide-angle viewing, you can capture a broad perspective of your bird visitors. The camera also features color night vision for clear viewing in low-light conditions.

# 4K Clarity & Color Night Vision



2.4GHz WiFi



APP Control



Built-in  
Microphone



**4K**



VS

**Full Color Night Vision**



VS

**4MP**



**No Color Night Vision**



Figure 4: 4K Clarity and Color Night Vision

The camera delivers 4K resolution during the day and provides full-color night vision, ensuring clear images of birds at all times.

## 5.2 AI Bird Recognition and Notifications

The smart bird feeder uses advanced AI to automatically detect and identify over 16,000 bird species. When a bird arrives, you will receive instant arrival alerts on your smartphone, often with the identified species name.

# Smart AI Identify 16000+ Bird Species



## HUMMINGBIRD

Hummingbirds are birds native to the Americas and comprise the biological family Trochilidae. With about 366 species and 113 genera, they occur from Alaska to Tierra del Fuego, but most species are found in Central and South America.

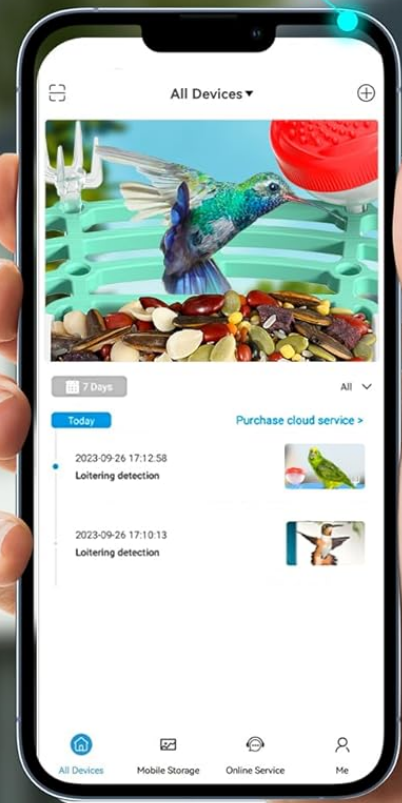


Figure 5: Smart AI Bird Identification

The integrated AI technology can identify over 16,000 bird species, providing detailed information directly to your mobile device.



Figure 6: Real-Time Bird Observation via App

The mobile application allows for real-time viewing of bird activity and sends instant notifications upon bird arrival, enhancing the birdwatching experience.

### 5.3 Two-Way Audio and Device Sharing

The feeder includes a built-in two-way sound system, allowing you to listen to the birds and even speak through the app (though this feature should be used cautiously to avoid disturbing wildlife). You can also share device access with family and friends, allowing multiple users to enjoy the birdwatching experience.

### 5.4 Storage Options

The camera supports both cloud storage (subscription may be required after a trial period) and local storage via an SD card (not included). This allows you to save and review captured videos and images of your bird visitors.

## 6. Maintenance

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### 6.1 Cleaning the Feeder

Regular cleaning is essential to prevent the spread of disease among birds and to keep the feeder functioning optimally. Clean the feeding tray and seed container periodically with mild soap and water. Rinse thoroughly and allow to dry completely before refilling with seed.

### 6.2 Refilling Seed and Nectar

The feeder has a 1.5-liter capacity for birdseed. Monitor the seed level and refill as needed. If using the hummingbird or fruit attachments, ensure they are regularly cleaned and refilled with fresh nectar or fruit.

### 6.3 Battery and Solar Panel Care

The solar panel on the roof helps maintain the battery charge. Keep the solar panel clean and free of debris (leaves, dust, snow) to ensure efficient charging. While the 6000mAh battery provides long-lasting power, if the feeder is in a shaded area or during prolonged cloudy periods, you may need to manually charge the battery via USB.

### 6.4 Weather Resistance

The feeder is designed with an IP66 waterproof rating, making it suitable for outdoor use in various weather conditions. It also features drainage holes to prevent water accumulation in the feeding tray.

# IP66 Dustproof and Waterproof

Provide a warm home for your bird friends

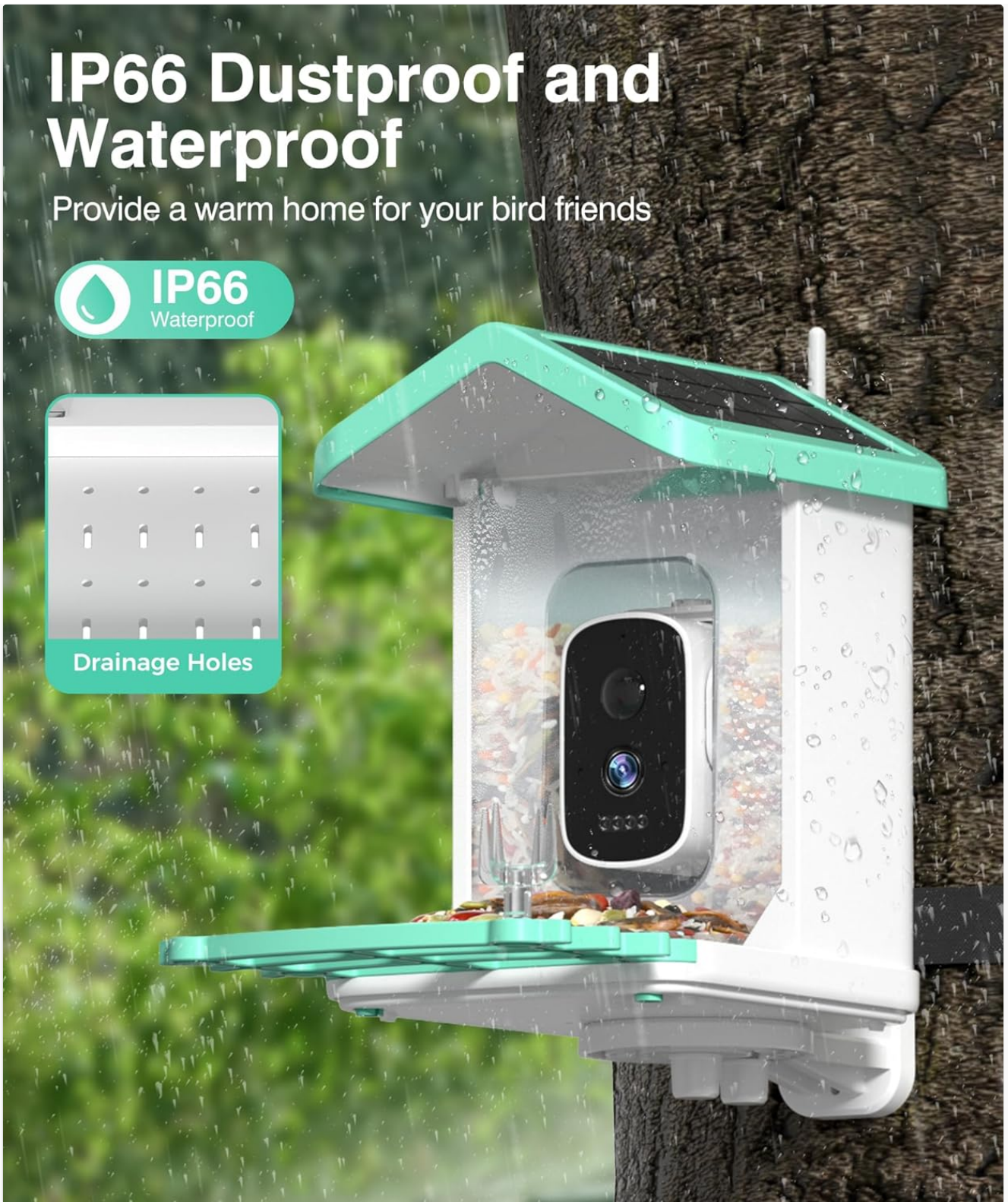
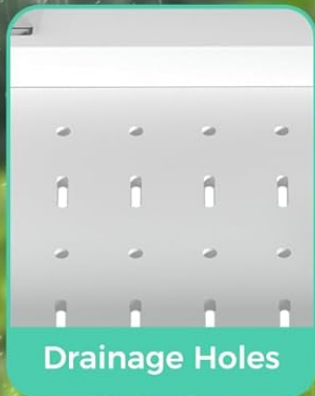


Figure 7: IP66 Dustproof and Waterproof Design

The feeder is built to withstand outdoor elements with its IP66 waterproof rating and integrated drainage holes to prevent water buildup.

## 7. Troubleshooting

- **Feeder not connecting to Wi-Fi:** Ensure your Wi-Fi network is 2.4GHz. This device does not support 5GHz Wi-Fi. Try moving the feeder closer to your router.
- **No bird detection/notifications:** Check camera settings in the app for motion detection sensitivity. Ensure the camera lens is clean and unobstructed.
- **Poor image quality:** Clean the camera lens. Ensure there is adequate lighting (daylight or night vision).

- **Battery not charging:** Ensure the solar panel is clean and receiving direct sunlight. If in a shaded area, manually charge via USB.
- **App issues (slow, buggy):** Ensure the app is updated to the latest version. Restart the app or your smartphone. If issues persist, try reinstalling the app.
- **Two-way audio not working:** Check microphone and speaker permissions for the app on your smartphone. Ensure the feeder's microphone/speaker are not blocked.

## 8. Specifications

Feature	Detail
Brand	Azonanor
Model Number	TV-XM-Q20-4MP
Material	ABS
Product Dimensions	8"L x 7"W x 9.5"H
Item Weight	2.5 Pounds
Power Source	Solar Powered and Battery Powered
Battery	1 Lithium Ion battery (6000mAh, included)
Camera Resolution	4K HD
Viewing Angle	150° Wide-Angle
Night Vision	Color Night Vision
Wi-Fi Connectivity	2.4GHz only
Waterproof Rating	IP66
Seed Capacity	1.5 Liters
Mounting Type	Wall mount, Pole mount, Tree mount

## 9. Warranty and Support

Azonanor is committed to providing high-quality products. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the product packaging or contact Azonanor customer support for specific warranty terms and conditions.

For technical assistance, troubleshooting, or any inquiries regarding your Azonanor Smart Bird Feeder, please contact our customer support team. Contact information can typically be found on the product packaging or on the official Azonanor website.

