



网球发球机 Tennis Ball Machine

# Novashot T1

## User Manual

# Before Using the Tennis Ball

Thank you for purchasing the Novashot T1 Tennis Ball Machine. This User Manual contains important information for the correct use and maintenance of the machine. Please read this manual thoroughly before operating the machine. Thank you!

## Safety Guidelines

**Follow these safety guidelines to reduce the risk of electric shock, fire, personal injury, or other hazards caused by improper use:**

- Read this manual carefully before using the machine and operate it strictly according to the instructions provided.
- Projectile Hazard! Do not look directly into the ejection opening.
- Maintain safe distance. No personnel allowed within a 14-meter radius and 13° left/right coverage of the ejection opening.
- Children under 14 years old are prohibited from using alone. Full-time adult supervision is required.
- Do not aim at the face or eyes of humans and animals.
- Do not immerse any part of the machine, especially the battery, in water or other liquids.
- Recharge the battery promptly after each use. If storing the machine unused for extended periods, recharge the battery every three months to prevent damage caused by over-discharge.
- Do not forcefully press balls down when loading. Overfilling the ball basket (exceeding 130 balls) may cause jams.
- Avoid leaving the machine and battery in environments exceeding 55°C (131°F) for prolonged periods, such as car trunks.



## recautions During Use



- Never stand directly in front of the ball outlet while the machine is starting or operating to prevent injury.
- Do not touch or make bodily contact with the machine while it is running. If you need to move the machine, always turn off the power first.
- Do not place non-tennis balls into the ball basket while the machine is operating.
- Always turn off the power before troubleshooting or removing jammed balls.
- If a ball accidentally enters the machine interior, turn off the power before retrieving it.
- Children must use the machine under constant adult supervision.

# Product Specifications



Dimensions 300\*430mm

Weight 7.5kg

Ball Capacity 130 balls

Ball Speed 30-120km/h

Feed Rate 2-9s/ball

Spin Types Topspin / Backspin

Elevation Angle 5° - 45° adjustable

Horizontal Angle ±13° adjustable

Control Method App

Power Supply Voltage 29.6V

Battery Life ≈4h

※Note: Actual performance may vary depending on usage conditions and environment.

# Packaging List

Novashot T1  
Ball Machine x1



shoulder  
strapx1



portable  
batteryx1



battery  
packx1



battery  
connecting  
wirex1



battery  
chargerx1



User Manualx1



※ Product and accessory images are for reference only. Actual items may differ from shown images.

※ Each machine is tested before shipment and may contain dust or tennis ball fuzz residue.

# Usage Guide

**Connect the battery and turn on the power switch. A steady red indicator light and an audible " beep " confirm the machine is powered on.(Recommended: Fully charge before initial use.)**



This ball machine requires the Novashot APP for use. For detailed operating procedures and function guidelines, refer to the Beginner's Guide.



# Usage Guide

**Pull open the tennis ball bag, flip it upward, and zip it closed to form the ball basket.** Pour tennis balls into the basket.



# Battery Charging & Usage Guide

## To extend battery life, please follow these guidelines:

- After each use, disconnect the battery cable to avoid prolonged connection.
  - Always use the original manufacturer-provided charger. A steady red light on the charger indicates charging; green light indicates full charge.
  - Disconnect the charger promptly after the battery is fully charged. Do not leave it connected for extended periods.
  - Avoid storing the battery in environments exceeding 55°C (131°F), such as car trunks.
  - Never heat, pierce, or damage the battery module.
  - The battery contains built-in protective circuits. Do not disassemble the battery casing.
  - Recharge promptly after each use. If storing unused, recharge every 3 months to prevent damage from deep discharge.
  - Ensure proper ventilation around the charger and battery during charging to prevent overheating. Never charge in high-temperature environments.
  - Full charging requires approximately 5-6 hours. A fully charged battery provides  $\approx 4$  hours of runtime.
  - Higher ball speeds consume more power, depleting the battery faster.
  - Low battery levels may affect performance. To ensure optimal training, the machine will automatically shut down below 5% charge.
  - Checking Battery Level:
    - The battery indicator shows approximate levels: 100%, 87.5%, 75%, 62.5%, 50%, 37.5%, 25%, 12.5%, 0%.
    - For precise readings, check the connected "novashot" app.
- ※ Temperature significantly impacts battery performance and runtime. Extreme cold or heat may reduce efficiency and operating time.



# Warranty Terms

## Warranty Period

We are committed to providing high-quality products. The Novashot T1 carries a 12-month limited warranty from the date of receipt, subject to compliance with these terms.

## Warranty Coverage

Warranty service applies only when:

- The defect occurs within the warranty period;
- The malfunction results from non-manufacturing defects under normal usage;
- There is no evidence of:
- Unauthorized disassembly/repair
- Liquid damage
- Impact damage (drops/collisions)

## Returns, Replacements & Repairs

- After diagnosis by Novashot technicians, an appropriate solution (repair/replacement/return) will be determined.
- Products meeting warranty conditions may receive free repair or replacement.
- Products with no verified faults will be returned to the customer.

## Non-Covered Repairs

The following incur service fees:

- Repairs beyond the 12-month warranty period
- Damage from accidents, misuse, or negligence
- Malfunctions caused by force majeure (e.g., natural disasters)
- Unauthorized modifications
- Counterfeit products
- Battery damage (consumable item)

## After-Sales Contact Information

You may contact after-sales support through the following methods to determine repair solutions:

- Online store customer service.
- Sales and customer service personnel of offline purchase channels.
- Manufacturer contact email:[[Supports@novashot.net](mailto:Supports@novashot.net)]

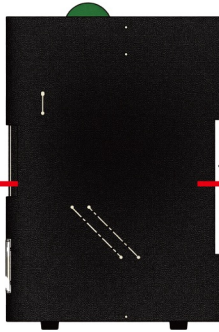
# Troubleshooting

## Friction wheel motor jammed (ball obstruction)

Solution: Turn off power , Push the ball out through the ball outlet using the friction wheel motor , Remove the ball via the maintenance access port.

Maintenance

Access Port: For  
retrieving jammed



First Step: Propels balls  
through friction wheels.

## No Ball Feed / Turret Stops Rotating

Solutions:

- Ball basket overfilled: Reduce balls below rated capacity (130 balls).
- Turntable jammed by balls: Remove obstructing balls from the Turntable.

## Inaccurate Ball Placement or Out-of-Bounds

Solutions:

- Incorrect machine positioning: Reposition according to app guidelines.
- Excessive ball speed/angle error: Adjust speed and launch angle settings.
- Inconsistent ball pressure/type: Use standardized tennis balls with uniform pressure.

# Machine Maintenance

## Storage Conditions

- Store the machine in a clean, dry location. Avoid humid, high-temperature, or harsh environments.
- Never store outdoors or expose to rain/snow.
- Extreme temperatures and environmental conditions may affect electronic circuit boards and battery performance.



## Machine Cleaning

- Internal Cleaning:
- Pull open the machine bag and use a vacuum cleaner to remove dust, tennis ball fuzz, debris, and other residues.
- External Cleaning:
- Wipe the machine bag and exterior surfaces with a damp cloth.
- Avoid: Alcohol-based liquids, chemical cleaners, or abrasive cleaners.



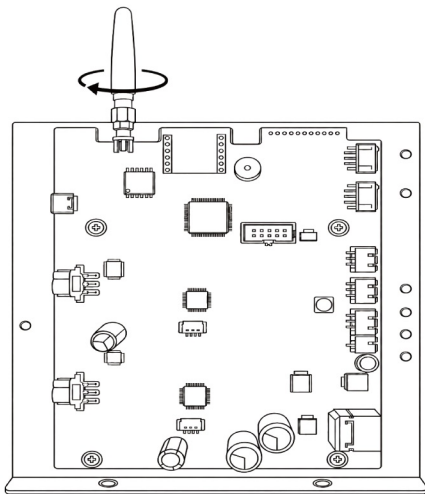
# LoRa Antenna Installation Instructions

Antenna Type: Rubber antenna

Antenna Gain: -0.69 dBi

Installation Method:

Align the antenna with the connector on the main-board and tighten it clockwise until secure.



## FCC Warning

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.