

# Paddle Palace

## X2W RALLY PRO ROBOT



## USER MANUAL

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# Paddle Palace

## X2W RALLY PRO ROBOT

Thank you for choosing the Paddle Palace X2W Rally Pro Robot! This advanced training robot is designed to help players refine their strokes, improve footwork, and build endurance—all at an affordable price. Please read this manual carefully to maximize your experience.



### Robot Components & Features:

- Two-Wheel Design for reliable spin variation
- Adjustable Ball Speed & Placement
- 22 Ball Landing Points for varied shot practice
- Built-in Drills to automate training sessions
- Includes Ball Recycling Net for continuous play
- Ball Container holds up to 100 balls
- Recommended ball size: 40+mm poly balls



### X2W Rally Pro Robot includes:

- Free 120 Nittaku/Paddle Palace J-Top Clean training balls
- Net Collection and Ball Recycling System
- Free Shipping to contiguous USA
- 30-day money-back Guarantee
- One year limited Warranty



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## PADDLE PALACE X2W RALLY PRO ROBOT

### Robot Components / Features

This manual has been written to help you enjoy and get the most out of your new Paddle Palace Robot. Take time to read these pages thoroughly and keep it handy for reference when using your robot.



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## Assembly Instructions



1. Unbox all components and place them on a stable surface.

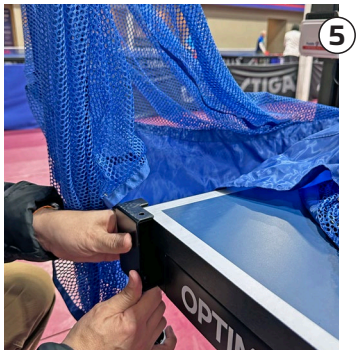


2. Raise robot arm into Support Frame and tighten lock.

3. Pull out the two leg extenders fully to enhance stability and support for the robot during operation. Ensure they are securely locked in place before use.



4. Attach plastic Ball Container to base. Make sure to clip in each side.



5. Attach 3 End Support Brackets to end of the table. Attach the Ball Collection Net to each bracket at end of the table.

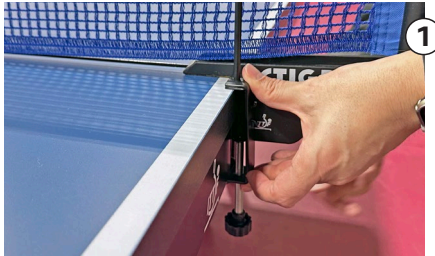


6. Partially unfold the Ball Collection Net and carefully slip the opening over the robot head.
7. Place robot in position at the end of the table, aligned with center line.
8. Plug in the power adapter and ensure all connections are secure.

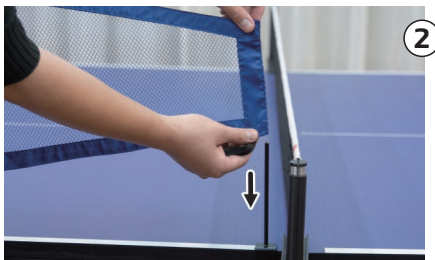


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## How To Position the Table Tennis Robot



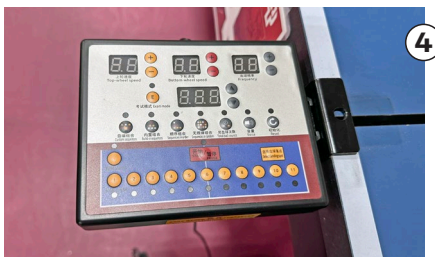
1. Clamp the Net Support brackets to both sides of the table near the net.



2. Put both end sleeves of the Ball Collection Net on the net supports.



3. Buckle the rubber rings to the outsides of the net support.



4. Clamp the LCD Panel Support bracket to the edge of the table and insert the LCD Touchscreen Panel into the support. Remove the protective film before operating the panel.



5. Picture of a completed installation.
6. **Adjusting Robot Head:** tilt the robot head up or down to modify shot distance for serves or deep loops. Rotate sideways to apply right or left sidespin for returns.
7. After training, fold back the Ball Collection Net in reverse order of the original process, lock the buckles, and store in any suitable place.

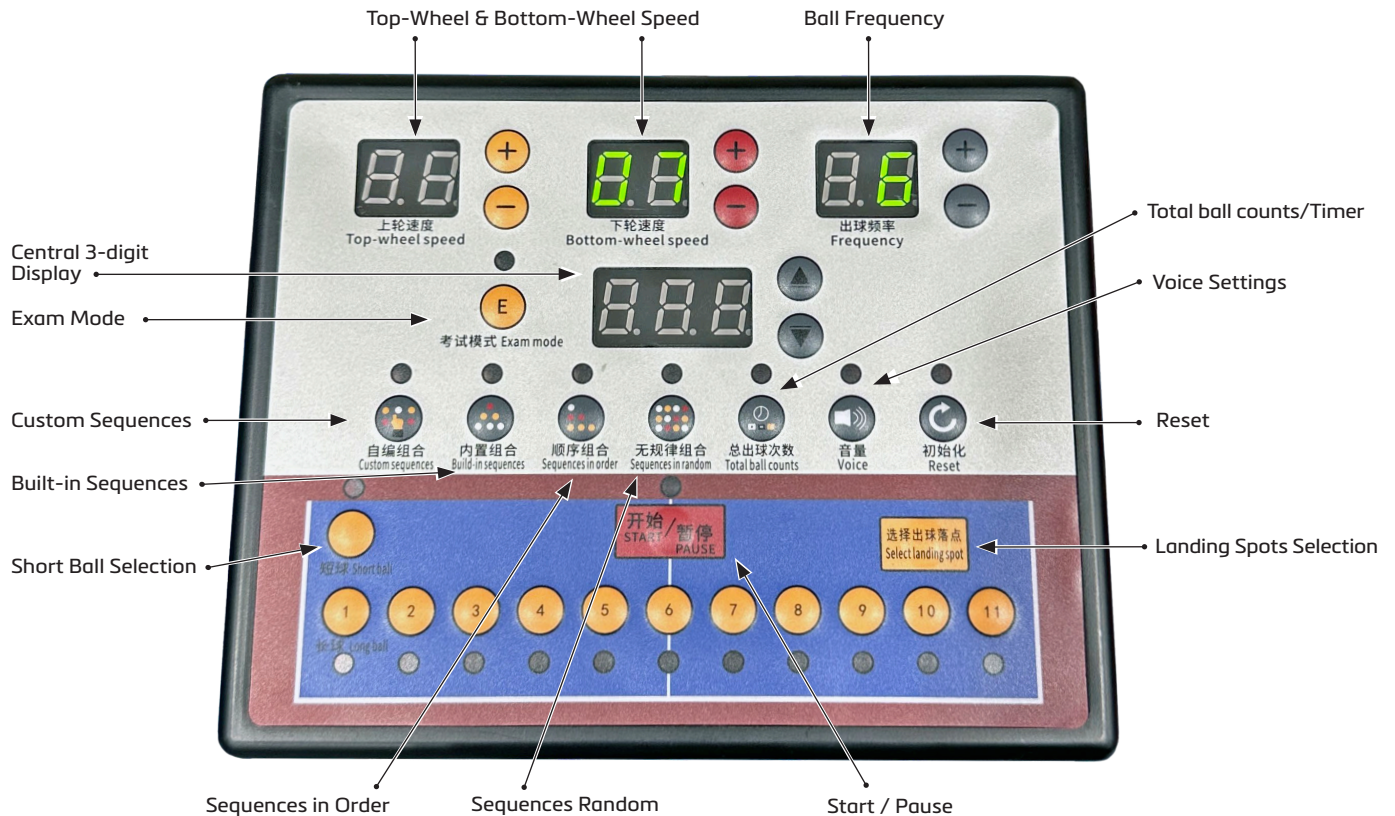
## The Power Supply



The robot is powered by standard US home current (120V). Make sure the power cord is securely plugged in. On/Off switch is located on the backside of the robot. Turn off and unplug the robot when not in use.

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## X2W Rally Pro Control Box



## Control Box Functions:

- **Top-Wheel & Bottom-Wheel Speed:** independently adjust ball spin.
- **Ball Frequency:** adjust the number of balls per minute.
- **Central Selection Display:** shows selection for Custom/Built-In Sequences, etc.
- **Exam Mode:** allows users to set wheel speed, frequency, and landing spots.
- **Custom Sequences:** program your own personalized training routines.
- **Built-in Sequences:** select from 9 pre-programmed drills.
- **Short Ball Selection:** adjusts shot depth for a shorter return within the 11 landing locations.
- **Sequences Order:** runs built-in sequences 1-9 sequentially.
- **Sequences Random:** randomly selects 3 sets from the 9 built-in sequences.
- **Landing Spots:** adjust the shot placement and spin intensity of each ball.
- **Total Ball Counts/Timer:** set the session duration.
- **Voice Settings:** drill completion buzzer - toggle on or off for drill completion alerts.
- **Reset:** reset all settings to default.
- **Start:** press to start the machine after programming functions.

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## Setting Top-Wheel &amp; Bottom-Wheel Speed



- Higher Top-wheel speed = Top Spin
- Higher Bottom-wheel speed = Under Spin
- Equal speeds = less or no spin

- Independently adjustable within 0-18 increments using **+** (increase) and **-** (decrease) buttons.
- Adjustable in both working (excluding Exam Mode) and paused states.
- These settings apply globally to the entire system (excluding Exam Mode) and are not configured for individual functions.

**TIPS TO CONSIDER:**

- **Quality Loop:** Set top-wheel to (12) and bottom-wheel to (4)
- **Pushes:** Set top-wheel to (0) and bottom-wheel to (7)
- **Short Underspin Serve:** Set top-wheel to (1) and bottom-wheel to (8)

## Ball Frequency



- Adjustable from **1** (30 balls per minute) to **18** (90 balls per minute) using **+** (increase) and **-** (decrease) buttons.
- Setting **(9)** is best for simulating tournament play.
- Settings apply globally to the system and can be adjusted in working and paused states.
- Not configured for individual functions.

## Total Ball Count/Timer



- Set ball count (1-999 balls per session) using the **(Up ▲)** and **(Down ▼)** buttons in the Central 3-digit Display.
- Toggle the **[Voice]** buzzer on or off for drill completion alerts when using the Total Ball Counts feature.

**EXAMPLE:**

- Display **(6)** and **(0)** = 60 balls served.  
Long-press the buttons for quicker adjustment.
- Robot stops when value decreases to **(0)** balls remaining.
- Press the **[Start]** button again to serve the next round of 60 balls.



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## Exam Mode



- Allows users to store one sequence and play it on demand to test your student.

**EXAMPLE:**

- Activate Exam Mode: Press **[E]**
- Build Your Drill: Press **[Landing Spot]** and set the sequence
- Adjust Depth: Press the **[Short Ball]** button for a shallower return
- Ball Location: Choose the landing spot(s) and number of balls per location
- Store the Drill: Press **[E]** again to save
- Reset the Drill: Press **[Landing Spot]** to clear and reset Exam Mode
- While Exam Mode is active, parameters are locked.
- To exit, press the **[Exam Mode]** button again, or another function button, and the indicator light will be off.

## Landing Spot Selection

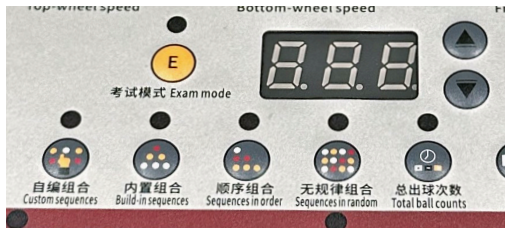


- Choose long ball landing spots from positions 1-11.
- Select short balls by pressing the **[Short Ball]** button prior to pushing the landing spot number.

**EXAMPLE SETUP:**

- Press **(2)** once, **(6)** twice, **(8)** once, **[Short Ball]** once, **(8)** once, **(10)** once, then press the **[Start]** button.
- The robot serves a long ball to position 2, two long balls to position 6, a short ball to position 8, a long ball to position 8, and a long ball to position 10, continuously cycling.
- Press **[Pause]** to stop, then reselect spots as needed.
- In the paused state, press the **[Select Landing Spot]** button again to clear the selected landing spots and then reselect.

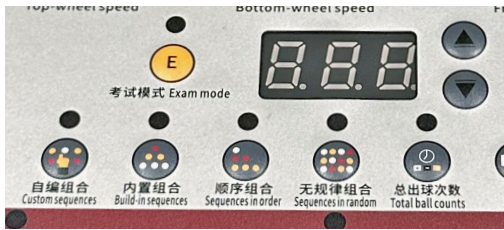
## Custom Sequences



- Create up to 6 custom sequences/drills.
- Assign unique landing spots, spin, and speeds.
- Switch between sequences using **(Up ▲)** and **(Down ▼)** buttons in the Central 3-digit Display.
- In the paused state, press the **[Custom Sequences]** button to enter this function, and the indicator light will turn on. The 3-digit display window displays **[1]**, indicating the first set of custom sequences.
  1. Press the **[Select Landing Spot]** button to choose landing spots from positions 1-11 (long and short balls are optional).
  2. After selecting all landing spots, press the **(Up ▲)** button to save the current custom sequence.
  3. The display window will now show **[2]**, indicating the second set of custom sequences. Up to 6 sets can be customized.
  4. Switch between the custom sequences using the **(Up ▲)** and **(Down ▼)** buttons. Press the **[Start]** button to run the robot.
- In the paused state, press the **[Custom Sequences]** button again, or another function button to exit this function, and the indicator light will be off.

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## Built-In Sequences



- A wheel speed setting of Top (12) and Bottom (04) offers tournament-like play simulation
- Ball Frequency for tournament play should be at (9)
- Frequencies between 1-8 are good for focusing more on the stroke and less on the speed

- Select from 9 built-in sequences, each designed to simulate different training drills. Each sequence consists of specific shot placements, depths, and repetitions.
- Combine multiple sequences for cyclic training.
- In the paused state, press the **[Built-in Sequences]** button to enter this function, and the indicator light will be on.
  1. The first digit of the Central 3-digit Display window shows the selected set of 9 built-in sequences, which can be switched using the **(Up ▲)** and **(Down ▼)** buttons.
  2. Press the **[Start]** button to run the robot according to the selected sequence.
  3. To combine multiple sequences, press the **[Built-in Sequences]** button repeatedly to display additional digits in the display window.

**Example:**

- When the display shows **(3)** and **(6)**, pressing the **[Start]** button serves balls according to Built-in Sequence 3, then Built-in Sequence 6, and then returns to sequence 3. This cycle continues until stopped.

## SEQUENCE BREAKDOWN

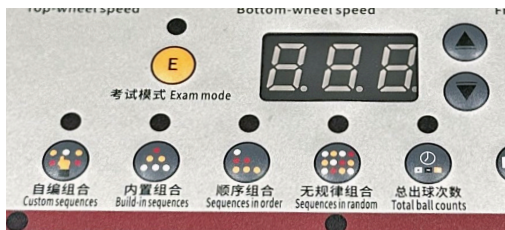
Sequence #	1st Landing	2nd Landing	3rd Landing	4th Landing	5th Landing
[ 1 ]	#10 (long, 1x)	#2 (long, 2x)			
[ 2 ]	#4 (long, 1x)	#10 (long, 2x)			
[ 3 ]	#2 (long, 1x)	#1 (long, 2x)			
[ 4 ]	#9 (short, 1x)	#1 (long, 1x)	#10 (long, 2x)		
[ 5 ]	#6 (short, 1x)	#11 (long, 1x)	#2 (long, 3x)		
[ 6 ]	#10 (long, 1x)	#2 (long, 3x)	#11 (short, 1x)		
[ 7 ]	#1 (long, 1x)	#11 (short, 1x)	#1 (long, 1x)	#10 (short, 2x)	
[ 8 ]	#11 (long, 2x)	#2 (short, 1x)	#1 (long, 2x)	#6 (long, 1x)	#11 (short, 1x)
[ 9 ]	#2 (short, 1x)	#3 (long, 1x)	#8 (short, 1x)	#11 (long, 2x)	

These sequences can be used individually or combined for cyclic training by selecting multiple sequences in succession.



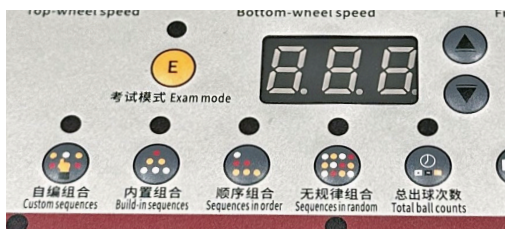
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## Sequences in Order



- Runs built-in sequences 1-9 sequentially.
- In the paused state, press the **[Sequences Order]** button to enter this function, and the indicator light will be on.
- The Central 3-Digit Display window shows (1). Press the **[Start]** button to serve balls in the order of Built-in Sequences 1-9.
- The sequences will continue to cycle through all nine combinations.
- In the paused state, press the **[Sequences Order]** button again or another function button to exit this function, and the indicator light will be off.

## Sequences in Random



- Randomly selects 3 sets from the 9 Built-in Sequences.
- In the paused state, press the **[Sequences Random]** button to enter this function, and the indicator light will be on.
- Press the **[Start]** button to serve balls according to the selected sequences in a cycle.
- Each press of the **[Sequences Random]** button selects a different set of sequences.
- In the paused state, press the **[Sequences Random]** button again or another function button to exit this function, and the indicator light will be off.

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## Voice Settings &amp; Reset



- Toggle the **[Voice]** buzzer on or off for drill completion alerts when using the Total Ball Counts feature.
- In the paused state, press the **[Voice]** button again to exit this function, and the indicator light will be off.
- **[Reset]** restores settings to factory defaults.
  - In the paused state, long-press the **[Reset]** button to enter this function, and the indicator light will be on.
  - All user settings will be deleted, and the parameters will be restored to factory default values.

## Maintenance &amp; Care

- Regularly clean the shooting wheels.
- Check for dust or ball jams in the system.
- Inspect Ball Collection Net for obstructions.

## Warranty &amp; Customer Support

- One-Year Limited Warranty
- Contact Paddle Palace Customer Support for assistance.
- Visit [paddlepalace.com](https://paddlepalace.com) for additional resources.

## Troubleshooting

Issue	Possible Cause	Solution
Robot does not turn on	Power cable disconnected	Check power connections
Balls are not launching	Ball container empty	Refill with balls
Inconsistent shots	Dirty wheels	Clean the shooting wheels

**Thank you for choosing the X2W Rally Pro!**

We hope it enhances your training and improves your game.