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› Suz S101 Table Tennis Robot Instruction Manual

Suz S101

Suz S101 Table Tennis Robot Instruction Manual

Model: S101

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Suz S101 Table Tennis Robot. Please read this manual thoroughly before using the product to ensure correct operation and to maximize its lifespan.



Image: The Suz S101 Table Tennis Robot main unit, ready for use.

PACKAGE CONTENTS

Before proceeding with installation, please verify that all components are present in your package:

- Suz S101 Table Tennis Robot Main Engine
- Robot Head
- Ball Storage Tube
- Power Adapter
- Fixed Frame for Table Mounting
- Wired Remote Control
- USB Cable
- User Manual (this document)

- 100 Table Tennis Balls (random color: orange or white)



Image: An illustration showing the main engine, robot head, ball storage tube, power adapter, fixed frame, and user manual included in the package.

SETUP INSTRUCTIONS

Follow these steps to correctly assemble and set up your Suz S101 Table Tennis Robot:

1. **Unpack and Check Accessories:** Carefully remove all components from the packaging and verify against the package contents list.
2. **Connect Robot Head:** Attach the robot head to the main engine. Secure it firmly with the fixed cover and screw it into place.
3. **Connect USB Cable:** Insert the USB cable into the designated port on the main engine.
4. **Attach Ball Storage Tube:** Fix the ball storage tube to the main engine and rotate it until it is securely locked.
5. **Install Fixed Frame:** Take out the fixed frame and install it onto a standard table tennis table. Ensure it is stable.
6. **Mount Robot:** Place the main robot unit onto the fixed frame, ensuring it is securely attached.
7. **Connect Power:** Finally, plug the power adapter into the robot and then into a suitable electrical outlet.
8. **Completion:** The robot is now assembled and ready for operation.

Installation



Step 1. Unpack and check the accessories



Step 2. Connect the robot head to the main engine, then fix it with the fixed cover and screw it.



Step 3. Connect the USB line to the port of the main engine.



Step 4. Fix the ball storage tube to the main engine and rotate to fix it.



Step 5. Take out the fixed frame and install to the standard table.



Step 6. Fix the robot to the fixed frame



Step 7. At last, plug in the power supply.



Step 8. Finish

Image: A visual guide illustrating the 8 steps for installing the Suz S101 Table Tennis Robot, from unpacking to power connection.

OPERATING INSTRUCTIONS

The Suz S101 Table Tennis Robot features a wired remote control for adjusting various functions. Familiarize yourself with the controls to customize your training experience.

Control Panel Functions



Image: The wired remote control box with various adjustment dials for frequency, oscillation, topspin, and backspin.

- **Frequency:** Adjusts the ball serving rate (40-70 balls per minute). A higher number increases the ball frequency. Ensure frequency is set to at least 1 for operation.
- **Oscillation:** Controls the left and right movement speed of the robot head. A higher number increases oscillation speed. Setting to '0' provides a fixed point.
- **Topspin:** Adjusts the topspin strength and ball speed. When topspin is higher than backspin, the serve will have topspin.
- **Backspin:** Adjusts the backspin strength and ball speed. When backspin is higher than topspin, the serve will have backspin.

- **No Spin:** To achieve a no-spin ball, set both topspin and backspin to the same number.

Adjusting Ball Trajectory and Spin

The robot supports various spin patterns including no spin, topspin, backspin, and side spin. The ball trajectory can be set to fixed or random.



Image: A diagram illustrating 9 different spin types the robot can produce: topspin, right side spin, rightspin, right under spin, underspin, left under spin, leftspin, left side spin, and no spin.

- **Direct Serve (one bounce on your side):** Set topspin to 6 and backspin to 2 or 3 on the control box.
- **Indirect Serve (two bounces on your side):** Set topspin to 4 and backspin to 3 on the control box.
- **Adjusting Robot Head Elevation:** The robot head can be adjusted up and down to modify the ball's trajectory.



Image: An illustration demonstrating how to adjust the robot head for different ball trajectories, including high drop, attack the ball, and two jump ball settings.



Image: The Suz S101 robot positioned on a table tennis table, demonstrating various ball trajectories across the playing surface.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your robot:

- **Storage:** If the robot will not be used for an extended period, clean it thoroughly and store it in its original box or a protective bag to prevent dust accumulation.
- **Ball Usage:** For best performance and to prevent issues, use Suz brand table tennis balls, as they are specifically designed for this robot.

TROUBLESHOOTING

Refer to the following common issues and their solutions:

- **Robot Not Serving Properly:** The robot requires at least 20 balls in the storage tube to function correctly. Ensure there are sufficient balls and that the ball frequency on the control box is set to at least 1.
- **Oscillation Not Working:** Turn the Oscillation setting to '9'. Gently assist the robot head by moving it left and right manually to initiate the oscillation mechanism. This can help the motor engage.
- **Balls Come Out Weak / Cannot Go Over Net:**
 - a. Check installation Step 3: Disconnect and reconnect the USB cable to the main engine.
 - b. Adjust spin settings: Set topspin to 4 and backspin to 3 on the control box and test if the issue is resolved.

If you encounter any other problems or require further assistance, please contact the manufacturer directly.

SPECIFICATIONS

Model	S101
Brand	Suz
Rated Voltage	100V-240V
Rated Power	24W
Ball Frequency	40-70 balls per minute
Ball Speed	3-30 m/s
Spin Patterns	No spin, topspin, backspin, side spin
Ball Trajectory	Fixed or Random
Dimensions (L x W x H)	38L x 38W x 40H centimetres
Item Weight	4 Kilograms
Material	Plastic
Color	Black

WARRANTY INFORMATION

The manufacturer provides free replacement parts for any damage caused by normal wear and tear within one year from the date of purchase of your Suz table tennis robot.

CUSTOMER SUPPORT

Should you require any assistance or have questions regarding your Suz S101 Table Tennis Robot, please contact the manufacturer directly. The manufacturer's email address can be found in the physical user manual included with your product.

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