

SANWEI®



JJ.Robot

TTR007

发球机使用说明书
USER MANUAL

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技术参数

Technical Specification

毛重: 4.5KG
净重: 3.3KG
包装体积: 长40*宽38*高37CM
额定电压: 100-240V
额定功率: 36W
出球旋转: 上旋转、下旋转、不旋转、左右侧旋球
出球频率: 40-70/分钟
出球速度: 3-30m/s
最大储球量: 120个
最少储球量: 10个
出球落点: 全台不定点
颜色: 黑色■

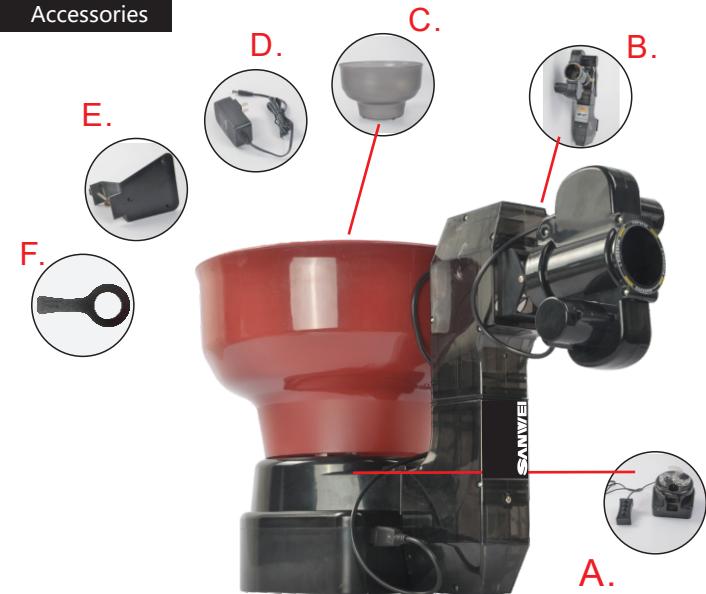
可发9种旋转球+1种不旋转球
可上下调整出球角度
可随机调整左右角度

G.W.: 4.5KG
N.W.: 3.3KG
Packing Size: 40 x 38 x 37CM
Rated Voltage: 100-240V
Rated Power: 36W
Spin: Top Spin, Down Spin, non-spin, Side spin
Serving Frequency: 40-70/Min
Serving Speed: 3-30m/s
Maximum ball storage: 120 balls
Minimum ball storage: 10 balls
Serving Range: Covering whole table
Color: Black

Providing 9 Spins + Non-Spin solutions
Pitch angle is adjustable
Left and right angle is adjustable randomly

标准配件

Accessories



A.主机

A. Main Body

E.固定架

E.Frame

B.机头

B.Robot head

F.侧球尺

F.Measuring tool

C.储球筒

C.Ball storage barrel

D.电源

D.Power Supply

安装步骤

Installation

①打开包装，检查配件。

①Unpack and then check the accessories.



④将储球筒安装到主机的卡位上，旋转固定即可。

④Fix the ball storage barrel to the main body and rotate it to fix.



②将机头连接主机，然后用固定盖固定，扭上螺丝。

②Connect the robot head to the main body.



③USB连接线插入主机接口处。

③Connect the USB cable to the main body.



⑤取出固定架，安装到标准球台上，然后将发球机固定在铁架上

⑤Take out the frame and install to standard table, then fix robot on the frame.

⑥最后将电源插上控制器的电源插孔。

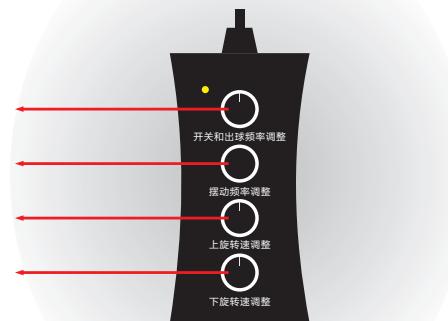
⑥Finally, plug the power supply in



安装步骤

Installation

- A. 开关和出球频率调整
A. Switch, and serving frequency
- B. 摆动频率调整
B. Swing frequency
- C. 上旋转速调整
C. Top spin speed
- D. 下旋转速调整
D. Down spin speed



A. 调节越大，出球频率越快。

A. Serving frequency is higher

while turning this up

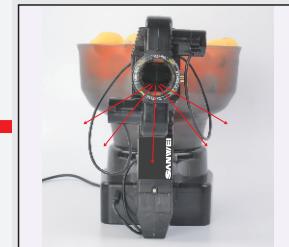


B. 调节越大，机头的摆头

频率越快。

B. Wider the balls can cover

while turning it up



控制上旋轮转速



C. 调节越大，上旋轮转速
越快。

C. Turn it up, top spin can
get stronger

D. 调节越大，下旋轮转速

越快。

D. Turn it up, down spin

can get stronger



功能介绍

Functions

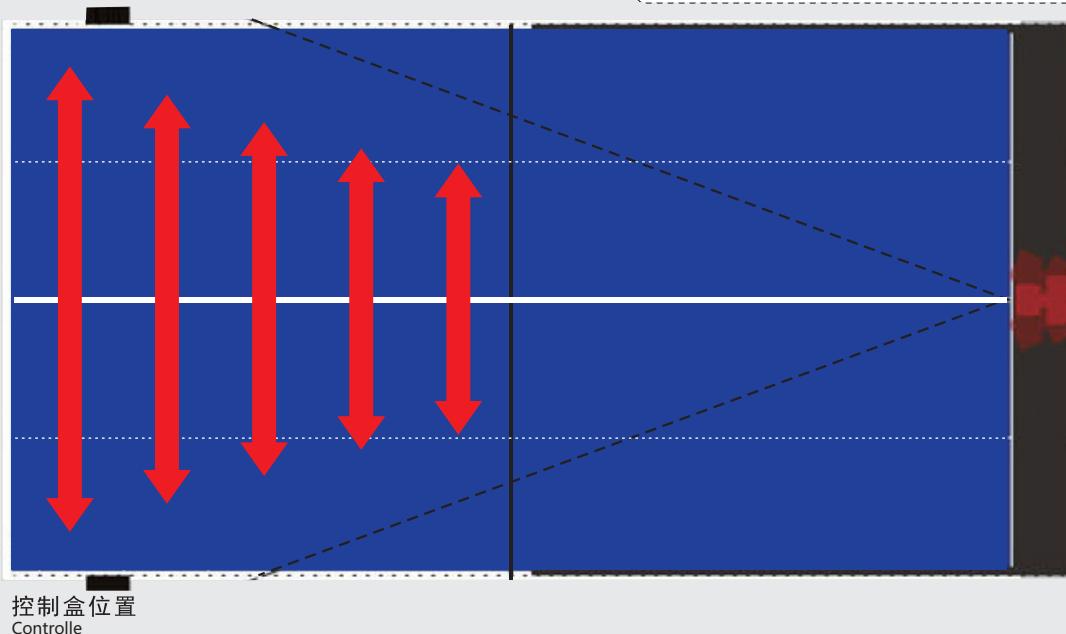
摆动范围

Swing range

Tips: When the Swing Frequency is set to 0, Robot will serve to fixed location.
When the Swing Frequency is set to 1, Robot will serve to all possible locations on the table.

小提示: 当摆头频率为0时即为定点发球
当摆头频率调1开始实现全台不定点发球机

Serve location range diagram
发球落点变化范围示意图



功能介绍

Functions

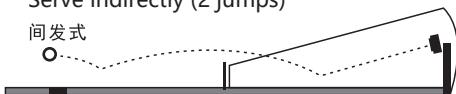
Serve directly (1 jump)

直发式



Serve indirectly (2 jumps)

间发式



发球跳动示意图 Serve Type Drawing

发球形式：发球机的发球形式分为直发式和间发式

间发式：配合适当的球速和旋转，可以练习各种接发球技术，初学入门最适宜。

直发式：直发式发出的球带度和旋转都比间发式稍强，调整时通过弧度调节旋进行。

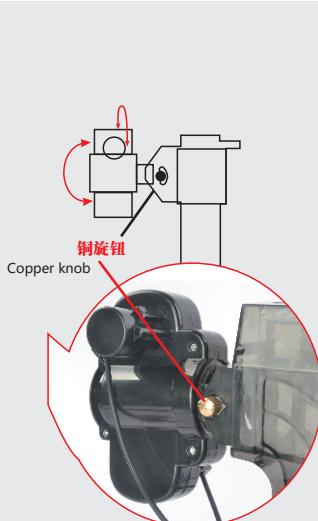
可能性让发球机发出弧圈球、抽杀球和高球，适合常规训练。

Serving type: Directly (1 jump) and indirectly (2 jumps)

Indirectly type: with a proper speed and spin, it is much more suitable for beginner to practice different skills of serving and returning ball.

Direct type: compared with indirect type, it is stronger on its speed and spin.

With a proper speed and spin, it can serve loop, attack and high ball. Suitable for daily training.



必须松开铜旋钮才能调整机头高低

当机头正在摆摆时不要调整

Loosen the copper knob first, before adjusting the elevation of robot head.
DO NOT adjust the knob while the head is working.



发球机的旋转由调节上下两轮速度和左右调节机头方向来旋转。可发9种旋转球和一种不转球，机头可以在水平180范围内任意往返转动。

1位：上轮转动为上旋球，下轮转动为下旋球

同时转动速度相同为不转球

2位：上轮转动为左侧旋球，下轮转动为右侧旋球

同时转动速度相同为不转球

3位：上轮转动为右侧旋球，下轮转动为左侧旋球

同时转动速度相同为不转球

1~2或1~3之间的任何位置配合两轮和转速

组合成各种旋转球

Robot can serve 9 kinds of spin ball and a non-spin.

The head can swing within 180 degree.

1 Position: The rotation of top-wheel is top spin, of the bottom-wheel is down spin. With the same position is the non-spin.

2 Position: The rotation of top-wheel is left spin, of the bottom-wheel is right spin. With the same position is the non-spin.

3 Position: The rotation of top-wheel is right spin, of the bottom-wheel is left spin. With the same position is the non-spin.

Adjust two wheels and speed between 1 and 2 or among 1 to 3, can combine different kinds of spins.

故障处理

Troubleshooting

故障现象 Fault phenomenon	故障原因 Failure cause	处理办法 Solutions
打开电源机器无反应 Power and no reaction	电源故障 Power failure 连线没有插好 Connection is not good	更换电源 Replace power supply 插好连线 Replug power cord
不出球 Balls are not serving out	球道脏 Ball groove is dirty	拆卸机头, 清理球道和球 Take down the robot head, and then clean the ball groove and balls
	球有伤或球脏、球不标准 Balls are broken, dirty or not standard	换成标准40mm新球 Change to standard 40+ balls
	供球电机损坏 Serving Motor is down	更换 Replace
	供球变速箱坏齿轮坏 Gearbox is broken	更换 Replace
发球无力 Serving ball weakly	发球电机坏 Serving Motor is down	更换 Replace
	插座接触不良 Connection of power socket is poor	重插 Replug
	发球电机连线断线 Line of motor is disconnected	重插 Replug
不摆头 Not Swinging	摆头电机损坏 Swing Motor is down	更换 Replace
	摆头齿轮箱变速齿轮损坏 Swing Gearbox is broken	更换 Replace
	插座接触不良 Connection of power socket is poor	重插 Replug
	摆头电机连线断线 Line of the motor is disconnected	重插 Replug
摆头幅度小 Swing range is narrower	调整杆设置错误 Adjusting rod is error	重新设置调整杆 Reset
开始开关没反应/频率速度开关不可调 Start and speed button no reaction	控制盒坏 Controller is broken	更换 Replace



Precautions

注意事项

特别提醒：

Attentions:

1. 儿童必须在成年人或者父母的监护和指导下正确使用发球机。

1. Children must use the robot correctly under directions of adults or parents.

2. 请使用标准40MM或40+乒乓球，可选用三维品牌训练球或一星以上球。请勿使用太软或者

2. Please use the standard 40+ balls. Better performance with SANWEI® ABS 1 Star Ball or others better than 1 star ball.

不规则乒乓球，避免造成发球机卡球。

Please don't use the balls that are too soft or irregular to avoid any clamping.

3. 新乒乓球使用前，请用清水或者清洁剂搓洗干净，晾干后再使用。并定期清洗乒乓球和发球机球道，

3. Please clean the new balls with clear water or cleaning agent and dry them before you use them. And clean the balls and the

保持整洁，减少故障发生。

ball groove termly to keep the machine clean and reduce the failure.

4. 请在发球机静止情况下，往储球筒里加入乒乓球，避免卡球。

4. Please add the balls to the storage tube when the machine is off to avoid clamping balls.

5. 在长时间不使用发球机时，请清理干净，用袋子包装好储放。

5. If you don't use the robot for a long time, please clean it up and with good storage bags.

6. 如在操作中遇到任何问题，可联系致电我们售后服务。

6. If you have any problems, please contact our after-sale service.

更换配件

Parts Replacement

请在干净的环境下使用发球机，
定时清理发球机灰尘和清洗乒乓球。

Please use robot in clean environment, clean
the dust and wash the balls regularly.



如果在使用TT.Robot发球机时，经过一系列故障排除后，
发球轮不转动，无法发送球，请更换发球机；如在使用一
段时间，发现发球轮损坏和变形，请更换发球轮。

In the case the driving wheels are not working and not deliver balls, after trouble-shooting, might you need to change the motor. In the case that the driving wheel is damaged or out of shape, you might need to change the driving wheels.

A. 更换发球轮

A. Change the serving wheel

- ①. 请检查和确定损坏是上轮发球轮
还是下轮发球轮
①. Check which driving wheel
is damaged



- ②. 拆卸机头侧面4个螺丝
②. Disassemble 4 screws from
side board



- ③. 然后卸下固定发球轮的螺丝，
取出损坏的发球轮。
③. Disassemble the screw
from driving wheel, take out
the damaged wheel



- ④. 取出一个新的发球轮进行更换，
按照原先拆卸步骤安装回去。
④. Take a new wheel, and put it
inside follow the process before

Parts Replacement

更换配件

A. 更换发球电机

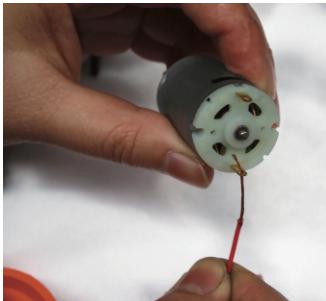
A.Change serving moto

①先检测出上下电机哪个损坏，
确定之后，需要先拆卸出与之
相对应的上发球轮或者下发球轮。

②取出发球轮后，用螺丝刀拆卸固
定发球轮的2个螺丝。

③然后再用螺丝刀卸下耳盖上的
螺丝，即可取出需要更换的发
球电机。

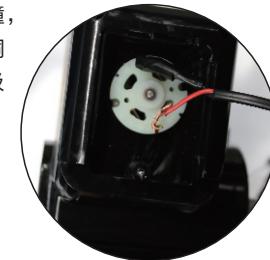
④取出电机，剪断连接电机上的
两条正负极电线。



⑤用火机或者剪刀将正
负极电线一小节去皮，
准备好更换的电机，
红色电线对准电机正
极处穿上扭紧，黑色
电线穿过电机的负极
处扭紧。
注：电机上有个小圆
圈，上有个“+”为正
极。



⑥为避免在使用过程中，
正负极电线相互碰撞，
请用胶布密封露出铜
芯的其中一边正负极
电线处。



⑦按照拆卸时的步骤安装回去，即可继续使用。

1. Find out which motor is damaged.
Disassemble the ball wheel first

2. After taking out the wheel,
disassemble 2 screws.

3. Then disassemble screws of motor
cover, and take out the damaged motor

4. Cut the positive and negative line.

5. Prepare a new motor, connect the red
PS: The little circle with a “+” symbol is
wire with the positive pole of motor,
and the black wire with its negative pole.

6. Sealing with insulating tape of the
bare wire to avoid the red and black wire
touching each other

7. Put it inside follow the process before



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INSTRUCTIONS