

使用前的注意事项 CARE BEFORE USE	发球机及集球网的各部位名称 第 2 页 Components name of the table tennis robot and ball collecting net 第 3 页 集球网的安装方法 第 3 页 How to assemble the ball collecting net 第 4 页 发球机的摆放位置 第 4 页 How to position the table tennis robot 第 5 页 What power supply to use 第 5 页	安全使用注, Safe utilization and t 1.使用前请详细阅读使用手册,并按使用手册指示操作发球机 2.儿童需在成人指导下使用。 3.室外使用时,须避免在风沙和雨雪环境下进行。 4.移动发球机与装拆集球网,请小心轻放。
发球机的功能介绍 INTRODUCTION TO FUNCTIONS OF THE TABLE TENNIS ROBOT	安球形式・ 第5 页 page 5 Ways to serve the ball 第6 页 page 6 速度调节・ 第6 页 page 6 Speed modulation 第 6 页 page 6 频率调节・ 第 6 页 page 7 Mow to select spin 第 7 页 page 7 出球素点选择・ 第 8 页 page 8 出球素点选择・ 第 9 页 page 9 Selecting the landing spot 第 9 页 page 9 长紅斑选择・ 第 9 页 page 9 Selecting number of balls 第 9 页 page 9 长紅斑选择・ 第 9 页 page 9 小板选择 第 9 页 page 10	 5.发球机工作时,请勿与出球口近距离正面接触,防止乒乓球 6.发球机工作时,请勿与出球口近距离正面接触,防止乒乓球 7.发球机工作时,如间到异味或冒烟等非正常现象,请立即停 8.发球机在使用过程中某些部位可能会产生温度,请小心触摸 9.使用结束,请关机并拔开电源插头。 Please read the instruction manual carefully befor operate the robot. Instructive advice should be given when machine us Avoid the windy and rainy day for the outdoor use 4. Be careful when connecting and disconnecting the b 5. When the robot is operating, please don't open the n poke bar either.
注意事项与保养 CAUTIONS AND MAINTENANCE	储球器的容量 第10页 Capacity of the ball container page 10 发球机的保养 第11页 How to maintain the table tennis robot page 11 故障的排除方法 第13页 Trouble shooting page 13 安全使用注意事項 第14页 Safe utilization and the regulations page 14	 6. When the robot is operating, please keep away from harm the body. 7. When the robot is operating, if you found somethin machine, please stop the robot and unplug it imme qualified repair person. 8. Some places of robot will heat up during the operation 9. Turn the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the robot after the power switch off and unplug the power s

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涂。 ~^~。 求射出伤及人体。 亨机及拔开电源插头,请具有维修资格人员检修。 莫以免烫伤。 re using the robot, and follow the instruction to

- sed by children
- ball collecting net
- movable door and touch the top and bottom wheel,
- m the shooting head of the robot to avoid the ball
- ng abnormal, such as some smoke come from the ediately. Repair or service must be performed by a
- on. Please pay attention to avoid burning yourself. er use.

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发球机的保养









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电器部份:本产品的电器部分主要由主机线路板及控制盒组成,是发球 How to maintain the table tennis robot 机的指挥中心,所以尽可能避免受强烈震荡,控制盒一定要按要求插在球台 边的支架上,以免摔坏。任何液体都不能洒在上面,防止漏电及损坏内部的 电子元件。

> 机械部份:发球机的机械部份主要集中在输送球机构方面,特别注意的 是除了乒乓球以外,任何杂物不能放入储球器内,否则杂物会卡住发球机的 输送轮,造成不出球甚至损坏发球机,主机活动门下侧安装有方便观察的视 窗,如果发现有杂物,先关掉电源,打开活动门,拆下透明保护板,将杂物 取出即可正常工作。储球器内拨条使用长时间后,需检查是否有螺丝松动 或拨条断裂等,以防止有下球不顺畅故障发生。

> Electric component: Electric component in this product consists mainly of the base machine's circuit boards and the control box, which is the command center of the table tennis robot. Therefore, it should avoid any strong oscillation as much as possible. The control box must be inserted to the support at the side of the table to avoid any dropping and breaking. Never spread any liquid to its surface, in order to prevent electric leakage and/or damage to its internal electronic units.

> Mechanical component: Mechanical component in the table tennis robot is concentrated mainly on the mechanisms for ball service and delivery. Special attention should be paid that any foreign substances should not put into the ball container except for the balls. Otherwise, they would block the delivery wheel in the robot, and would result in no ball delivery and even make damage to the robot. There is a view window fixed at the under side of the movable door. So that you can power off the robot ,open the movabledoor, remove the transparent guard plate, and take out any foreign objects if such things have entered, thus returning the robot to its normal operation. When the poke bar inside the ball container has worked for a long time, it should be checked for loose screws and/or broken poke bar, so as to prevent any trouble from happening which would lead to rough delivery of the balls.

发球机的摆放位置 How to position the table tennis robot





The presenting picture of a completed installation 全部安装完毕展示图



6、网架分别夹在球台 近球网的两侧。

The net supports are clamped to both sides of the table near the net.



7、橡皮筋扣在网架的 侧边。

And the rubber rings are to be buckled to the outsides of the net support.



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After training, fold back the ball collecting net in a reverse order of the original process, lock the buckles in a right way, and put it in any suitable place.



数字显示窗 加速键 速度调节 Digital display 减速键 Increase key Decrease key Speed modulation 出球次数选择 上轮速度 Top-wheel speed Selecting number of balls 下轮速度 Bottom-wheel speed 可在暂停状态或工作状态时调节。当发球机接通电源时,控制 盒上档位闪烁,如显示的档位合适,可直接按开始键工作。如需重 出球频率 Frequency 新选择可按"—"键减档(减速),按" —"键加档(加速), 在发球机暂停状态下选择,按确定出球次数键。 个、拾、佰位选择键 Amount selection key 调节好选定的速度档位,再按开始键工作。上、下轮可同时工作, 出球次数在1~999范围内任意选择,按数字显示窗下 亦可单独工作(仅989E)。发球机由低至高共10级档位。低档最慢, 的"个""拾""佰"位键。显示窗内对应的数字灯 高档最快,速度快慢与乒乓球的旋转强弱基本成正比。如上、下轮 指示灯 出球次数选择键 0~9加一循环计数,按开始键,发球机开始定量出 Indicator light 档位接近时,所发出的球则基本没有旋转(仅989E)。控制盒具有暂 mount enterk 球,显示窗内数字自动减一计数,当减到0时发球机 停或停电记忆功能,下一次开机时仍然保留关机前的设定值。 暂停工作,数字灯全灭。重新设定可按以上方法操 开始/暂停 长短球选择键 Long and short ball ke 作。重复已设定的上一次数值,按确定出球次数键, Start/Pause 然后按开始键工作。不再定量出球(也就是无限量出 Ball speed can be adjusted in the "Working" or 球)则直接按开始键工作。 "Stand by" condition of the robot. The stage-level light on the control box will flash when the power of To select the amount of ball to play during the robot in "stand by" condition. After the selection, press the "Enter" to input the number. 长短球选择(随机模式) the robot is on. If the stage doesn't need to be changed, 频率调节 Selecting long and short balls (at random) press the start key directly to play. Otherwise, adjust Frequency modulation the stage level by pressing the "Increase" or The number of balls can be selected at the range "Decrease" key. There are totally 10 stages from from 1 to 999. There are totally 10 numbers 与速度调节方法相同,也是通过"(+)"键和"○"键调 长短球可在发球机工作或暂停状态时选择。当按长短 lowest to highest level. The top wheel and bottom which from 0-9 in each ones, tens and hundreds 球选择键时,指示灯亮表示发球机按随机设定的程序发长 节,由低至高共分10级。低档时出球频率最慢(约25球/分 place. The number will increase by one digit every wheel can work at the same time or work 短球;再按长短球选择键时,指示灯灭,表示发球机按标 time pressing the selection key. Once the amount independently (only for 989E model). The higher the 钟),高档时最快(约95球/分钟)。 has been entered, the digital display shows that 准落点出球。 stage being selected, the faster the ball speed will the number decrease one by one automatically. become. Basically the speed of the ball is proportional The long and short ball mode can be selected in the "Working" or "Stand by" condition of the robot. After the long and short ball key has been pressed, the indicator light indicates that the ball become long and With the same modulation method as speed's, the The robot will stop right away when the numbers reach to 0. To set the "Infinite" balls, start the to the strength of the spin. If the stages of two wheels frequency can also be adjusted by pressing the "Increase" are close enough, the ball that has been produced is robot directly without inputting any number. or "Decrease" key with totally10 stage level. The lowest nearly no spinning. The control box also has a memory stage of frequency is about 25 balls per minute and the short randomly. Otherwise, if the key being pressed function that memorize the current setting which is highest stage is about 95 balls per minute. again, the indicator light will turn off. and the ball back capable to play with the same setting as next time you to original standard serving style. start. 9 6

旋转选择 How to select spin

V-989E的旋转由调节上、下轮速度和左右调节机头方向来选择,可发9种旋转球:包括 上旋、下旋、不旋(由调节上、下轮速度来控制)、左侧旋、右侧旋、左侧上旋、左侧下旋、 右侧上旋,右侧下旋。

For V-989E model the spin can be selected by adjusting both the speed of top-wheel and bottom-wheel and by rotating the motor head of robot. There are totally 9 different spins you can choose from: top spin, under spin, no spin (produced by varying the speed of top and bottom wheel), left side spin, right side spin, left-side top spin, left-side under spin, right-side top spin and right-side under spin.

V-989F选择旋转的时候,按机头上的指示牌,摆动机头手柄,选择所需的旋转, 对准三角形标点,机头可正、反180度旋转,可发8种旋转球。调节时注意机头电线 不能拉得太紧,以免拉断。

For V-989F model spin selection can be processed by rotating the motor head to the corresponding spin aimed by the "spin indication" (triangle mark). The motor head is able to clockwise and counter-clockwise rotate in 180 degree. There are totally 8 different spins you can choose from. Please do not pull the wire too tight to prevent the breaking of wire.



*此图片的型号是V-989F The model in this picture is V-989F

出球落点选择 Selecting the landing spot

在发球机暂停状态下选择,发球机有定点、标准左右两点及任 意多点组合等多种出球落点选择,在控制盒上有11个按键,同时也代 表了球落在球台上的11个位置,控制盒上的蓝色部份则代表球台;选 择时,先按出球落点选择键,此时1~11按键的指示灯是灭的,当选择 某一位置时,此位置的指示灯就会充,按开始键,发球机开始工作。 例如;选择定点球,要求9号位置落球;那就按上述步骤按一次9号 键,选择两点球;11号位出3个球,1号位出两个球,那就按上述步骤连 续按11号键3次,连续按1号键2次,组合球也是同一原理,在11个位置 范围内,任意在哪个位置按多少次,它就在那个位置上出多少次则 按照以上步骤重新设定。



The landing spot should be selected in the "stand by" condition of robot. The robot can perform three main kinds of serving style: fixed course, standard alternative course and random course. There are 11 digit keys located at the bottom portion of control box. Those keys indicate the 11 positions of the table which the blue part indicates the whole table area on the play side. To select the landing spot of the ball, first press the "Select the landing spot" key, all indicator lights of 1-11 position will be turned off at this point. Now we can press either one of the position, then the light of the corresponding position being turned on. Start the robot to play after finishing the selection. For example, to play fixed course with the landing spot at the #9 position, we can press the digit "9" key to start. If we want to play alternative course and the ball will be landing at the #11 position three times, and at the #3 position twice, we can follow the above procedures, then press the digit "11" key three times and digit "3" key twice. The numbers of ball which land on the same spot depend on how many times you press on the same position that memorize the current setting which is capable to play with the same setting as next time you start.

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