

## Limited Warranty

Master Sports LLC warrants its products to be free from defect in materials and workmanship for a period of two years. Master Sports will repair or replace defective products at its discretion, without charge. Evidence showing the date of purchase and serial number must be submitted at the time the warranty claim is made. This warranty is void if the serial number has been altered or removed and shall not apply to damage caused by unauthorized repairs or alterations. If any defect should occur, contact Master Sports at 1-800-837-1002, ext. 3307 and request Technical Assistance. Please have your serial number available. It can be found on the **top corner** of the machine. If we are unable to resolve the problem by telephone, return the unit in its original carton and packing, freight prepaid. Master Sports will pay the freight to return the repaired merchandise to the customer. No C.O.D. shipments will be accepted. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF QUALITY AND PERFORMANCE, WHETHER WRITTEN, ORAL, OR IMPLIED. IN NO EVENT SHALL MASTER SPORTS BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE. Some states do not allow limitations on how long an implied warranty lasts and/or the exclusion or limitation of incidental or consequential damages, so the above limitation and exclusion may not apply to you. This warranty is registered electronically prior to shipment. No warranty registration is required. Returns: For a full refund less shipping costs, an R.A. number must be requested within five business days after the customer's receipt of the machine as indicated by the package tracking information, and the returned product must be received by Master Sports within seven business days after the R.A. number is issued. Please call 1-260-471-0001 to obtain the required R.A. number. Restocking fees apply to all returns received by Master Sports after the initial grace period outlined above. Restocking fees also apply for product that is returned in less than new condition and for product not returned in the original packing. This offer applies only to machines purchased directly from Master Sports. Please see your dealer or sales representative for all applicable return information. Returns after 30 days of receipt are prohibited.



### Part List:

The SAM commercial ball machine is shipped in two boxes.

Box One is the Frame Assembly and contains the following parts:

- a. Right Frame Leg x 1
- b. Left Frame Leg x 1
- c. U Frame x 1
- d. Ball Hopper x 1

Box Two is the Ball Delivery Unit and contains the following parts:

- a. Ball Delivery Unit x 1
- b. Right Handle x 1
- c. Left Handle x 1
- d. 3/8- 16 x 2" Hex head cap screws (HHCS) for frame assembly x 4
- e. 3/8 lock washers for frame assembly x 4
- f. 1/4 - 20 x 1/2" Phillips pan head screws for ball hopper x 4
- g. 1/4 washers for ball hopper x 4
- h. 3/8 - 16 x 2 1/2" hex head cap screws for ball delivery unit x 4
- i. 3/8 lock washer for ball delivery unit x 4
- j. 1/4 - 20 x 3/4" button head cap screws for handles x 4
- k. 1/4 lock washers for handles x 4

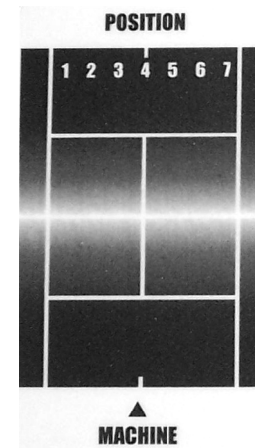
### Assembly Instructions:

1. Open Box One that contains the Frame Assembly.
2. Confirm that all parts listed for Box One are present. If any parts are missing, please call Master Sports at 800-837-1002.
3. Attach Right Frame Leg to the right side of the U Frame using the 3/8-16 x 2" (HHCS) and 3/8 lock washers. Tighten the HHCS until snug. Do not fully tighten at this stage.
4. Attach the Left Frame Leg to the left side of the U Frame using the 3/8-16 x 2" (HHCS) and 3/8 lock washers. Tighten the HHCS until snug. Do not fully tighten at this stage.
5. Open Box Two that contains the main assembly.
6. Confirm that all parts listed for Box Two are present. If any parts are missing, please call Master Sports at 800-837-1002.
7. While the Ball Delivery Unit is still in the box, attach the Left Handle to the Ball Delivery Unit using the 1/4 - 20 x 3/4" button head cap screws and the 1/4 locking washer.
8. Using the Left Handle and the main assembly mounting tube, lift the Ball Delivery Unit out of the box and set it on the foam.  
WARNING: Do not lift the Ball Delivery Unit out of the box using the white plastic head. Doing so may cause damage to the plastic housing.  
CAUTION: The removal of the Ball Delivery Unit from the box requires two people.
9. Attach Right Handle using the 1/4- 20 x 3/4" button head cap screws and the 1/4 locking washer.
10. Using two people, slide the Ball Delivery Unit on the Frame Assembly Tubes. Attach the Ball Delivery Unit to the Frame Assembly using the 3/8 – 16 x 2 1/2" (HHCS) and the 3/8 lock washers. Tighten firmly.
11. Tighten firmly the HHCS mentioned in step 3 and 4 used to attach the left and right leg frame to the U Frame.
12. Attach the Ball Hopper to the Ball Delivery Unit using the 1/4 - 20 x 1/2" Phillips pan head screws and 1/4 washers. CAUTION: Hopper should have a rubber O ring ball separator attached. Position the hopper so that the ball separator is over the drop hole. If the O ring is missing or assembled incorrectly, one will experience double firing and ball jams underneath the carousel.

### SHOT POSITION

Refer to the diagram on the control panel to locate the seven different positions. A player can program up to three different shots. To program a shot sequence, begin with SHOT 1 and work down to SHOT 3.

NOTE: If a player wants to program fewer than three shots, program the number of desired shots and then turn the other knob(s) to the off position.



### REMOTE CONTROL

All SAM Sport™ ball machines are equipped with a remote control function. To activate the remote press REMOTE ON/OFF button on the control panel (red light indicates function is on). When remote function is turned ON, press the button on the remote control to activate the ball feed.

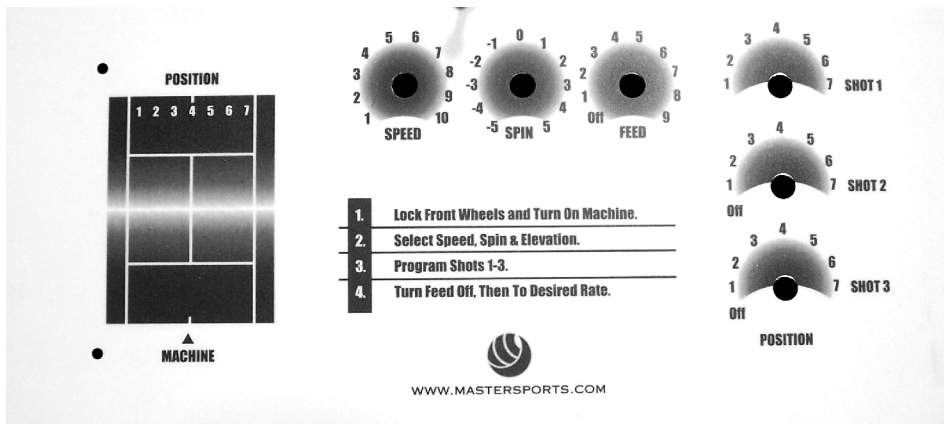
NOTE: The remote control only operates the BALL FEED OFF/ON function.

### MAINTENANCE

**PERIODIC INTERNAL CLEANING:** Tennis ball fuzz will accumulate in various areas as the machine is used. This will generally not impair the function of the machine; however, occasional internal cleaning should be performed. Using a vacuum cleaner, vacuum out the ball fuzz that has accumulated under the carousel, then remove the plastic housing that covers the throwing wheels and vacuum out the ball chute.

**REPLACING THE FUSE:** The fuse is located on the back of the machine. Replace with a 5 amp slow blow fuse.

## SAM SPORT™



### POWER

The power entry module is located on back of the ball machine. Unless designated otherwise, the SAM Sport™ requires 110 Volts. The power on/off switch and fuse are also located on the back of the machine.

### FEED

To activate the ball feed carousel, turn the feed knob clockwise to the desired feed rate. The feed rate adjustment goes from 1-9 with 1 as the slowest (8 seconds) and 9 the fastest (1.5 seconds).

NOTE: For safety reasons, if no balls have been fired for 20 seconds, the ball feed shuts off automatically and must be turned on again at the machine by turning the feed knob to off and then back to desired feed rate.

### SPEED

This control adjusts the speed of the balls shot from the machine. There are 10 speed settings. Speed setting 1 is approximately 20 mph and speed setting 10 is approximately 90 mph. When changing speeds, allow a few seconds for the throwing wheels to settle to the new speeds.

### SPIN

This control is calibrated with 0 as the no spin (flat ball) position, 1 to 5 as the top spin position and -1 to -5 as the back spin positions.

### ELEVATION

The elevation position is adjusted manually by the elevation handle on the right side of the machine. Turn the handle forward (clockwise) to raise the elevation and backwards (counter-clockwise) to lower the elevation.

## Save the Original Box and Packaging

The original box should always be used if it is necessary to ship the machine back to the manufacturer. Master Sports is not liable for damage caused by improper packaging on return shipments. New box fees will apply to all machines returned with non-original boxes and/or packaging.

## Storage

Store the machine in a clean, dry location. Extreme temperatures and conditions can affect the machine's electronic board. Never store the machine outside. Exposure to rain and snow will shorten the life of the machine.



## Important Safety Information

The SAM™ ball machine is specifically designed to throw tennis balls at a high rate of speed. To avoid any bodily harm, please observe the following precautions at all times:

**WARNING:** Do not reach or look into the ball exit hole without first turning the main power off and only after the wheels come to a complete stop.

**WARNING:** Do not place hands or foreign objects into the ball hopper while the power is on.

**WARNING:** Never stand closer than 10 meters (35 feet) in front of the ball machine when power is on. Balls exit at various angles, 0-45 degrees vertical, and from 14 degrees left to 14 degrees right.

**WARNING:** Only use standard size tennis balls with this unit.

**WARNING:** Use caution with small children in the area.

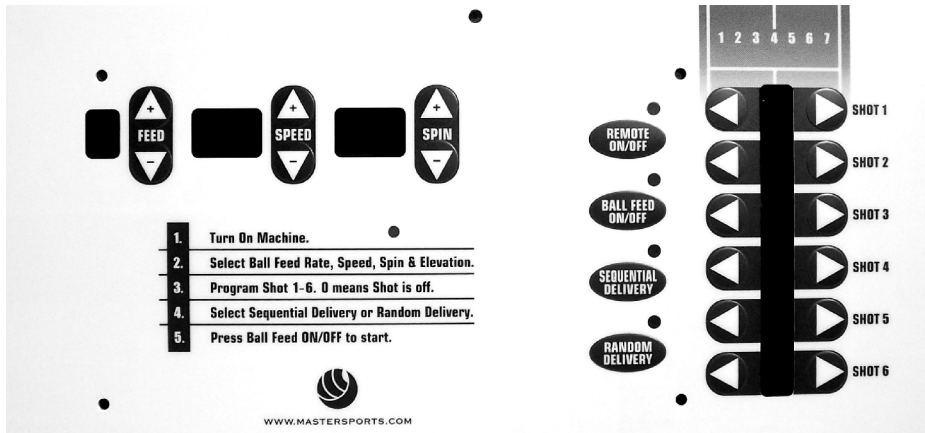
**WARNING:** Do not use this machine while it is raining or in standing water. Do not use wet tennis balls.

## Positioning

Position the ball machine at the center of the baseline with the ball exit hole directly facing the center of the opposite baseline. When the machine is in position, engage the brakes on the front wheels.

NOTE: To ensure the proper positioning, turn the machine on speed 11 and program shot 1 to position 4. Shoot a ball until the ball lands on the service hash. The ball will have a  $\pm 1$  foot deviation from the service hash. If the ball fails to hit the service hash, adjust the rear of the machine until the ball lands at the service hash  $\pm 1$  foot.

## SAM COACH™



## POWER

The power entry module is located on the back of the ball machine. Unless designated otherwise, the SAM Coach™ requires 110 Volts. The power on/off switch and fuse are also on the back of the machine.

## FEED

To turn the ball feed ON press the green oval button marked BALL FEED ON/OFF. This will start the ball feed carousel rotating. The feed control button (located on the far left of the control panel) adjust the timing between shots. The feed adjustment goes from 1 - 9 with 1 as the slowest (8 seconds) and 9 the fastest (1.5 seconds)

NOTE: For safety reasons, if no balls have been fired for 20 seconds, the ball feed shuts off automatically and must be turned on again.

## SPEED

This control adjusts the speed of the balls shot from the machine. There are 20 speed settings. Speed setting 1 is approximately 20 mph and speed setting 20 is approximately 90 mph. When changing speeds, allow a few seconds for the throwing wheels to settle to the new speeds.

## SPIN

This control is calibrated with 0 as the no spin (flat ball) position, 1 to 5 as the top spin position and -1 to -5 as the back spin positions.

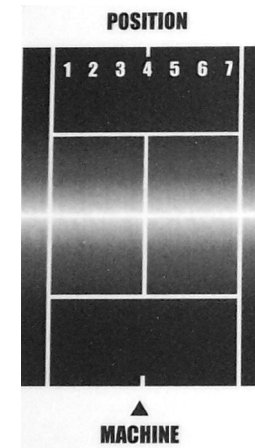
## ELEVATION

The elevation position is adjusted manually by the elevation handle on the right side of the machine. Turn the handle forward (clockwise) to raise the elevation and backwards (counter-clockwise) to lower the elevation.

## SHOT POSITION

Refer to the diagram on the control panel to locate the seven different positions. A player can program up to six different shots. To program a shot sequence, begin with SHOT 1 and work down to SHOT 6.

NOTE: If a player wants to program fewer than six shots, program the number of desired shots then program the remaining shots to zero. Zero means the shot is off.



## SEQUENTIAL DELIVERY

Activate this option to shoot balls to the programmed positions in the order in which they were programmed beginning with SHOT 1.

## RANDOM DELIVERY

Activate this option to shoot balls randomly from the programmed positions.

## REMOTE CONTROL

All SAM Coach™ ball machines are equipped with a remote control function. To activate the remote press REMOTE ON/OFF button on the control panel (red light indicates function is on). When remote function is turned ON, press the button on the remote control to activate the ball feed.

NOTE: The remote control only operates the BALL FEED OFF/ON function.

## MAINTENANCE

**PERIODIC INTERNAL CLEANING:** Tennis ball fuzz will accumulate in various areas as the machine is used. This will generally not impair the function of the machine; however, occasional internal cleaning should be performed. Using a vacuum cleaner, vacuum out the ball fuzz that has accumulated under the carousel, then remove the plastic housing that covers the throwing wheels and vacuum out the ball chute.

**REPLACING THE FUSE:** The fuse is located on the back of the machine. Replace with a 5 amp slow blow fuse.