Introduction

This manual contains important information concerning the proper use and care of your Tennis Tutor. Please read completely before operating your Tennis Tutor.

**IMPORTANT WARNINGS**

DO NOT STAND IN FRONT OF BALL EJECTION OPENING.

DO NOT INSERT HANDS OR FOREIGN OBJECTS INTO THE MACHINE.

DO NOT OPERATE TENNIS TUTOR WHEN WET.
Never put wet tennis balls in Tennis Tutor.

**STATIC ELECTRICITY**

In dry climates the action of the tennis balls rubbing against the throwing wheels may cause a small static electricity shock when you touch the control panel. To eliminate this connect a wire from the control panel to the court surface.

Battery Charging - "Smart" battery charger included

The Smart battery charger may be connected to the Tennis Tutor Plus machine continuously when not in use. The Smart charger will shut off when charging is complete, so there is no possibility of overcharging. The LED light on the smart battery charger will change from red to green when the battery is fully charged. It will typically take between 12 to 18 hours to fully recharge the battery. Please read the instructions included with the smart charger.

**SMART/FAST CHARGER** - The Smart/Fast charger operates the same but will typically charge the battery in 6 to 8 hours.

**Plus AC/DC Models** - Plug in the AC power cord to charge the built-in battery. (There is no separate battery charger for the AC/DC models). The AC/DC models will not overcharge so keep the machine plugged into AC power and charging when not in use. The LED light on the control panel will show green as the battery charges. It will typically take 12 to 18 hours to fully recharge the battery. It is recommended the battery be fully charged, even if it is used plugged in to AC power.

Low Battery Condition Beeper

Your Tennis Tutor has a ‘low battery condition’ beeper which will beep approximately once a second when the machine is ‘ON’ and the battery needs to be recharged. There will be about 15 to 30 minutes of battery charge left when the low battery condition beeper first sounds.
Operating Tennis Tutor

Position Tennis Tutor along the centerline of the court. Place it at the baseline for throwing faster shots, and nearer the service line for slower shots. Turn the machine ‘ON’ and set the controls to produce the desired ball throws. When using the oscillator, point Tennis Tutor so that the oscillator sweeps the right and left sides of the court equally. Turn the machine ‘OFF’ and wait for five seconds to allow the 10 second start-up time delay to reset. Turn the machine ‘ON’ (and Oscillator ‘ON’ if desired) and walk to your playing position.

Plus AC/DC Models - You can operate the AC/DC models either off of the internal battery or connect the power cord to an outdoor rated extension cord on the court to use AC power for unlimited use. The AC/DC model should be charged after use, even if used only on AC power. (See battery charging section above).

Helpful Tip: The ball feeding mechanism will operate best if you move the balls toward the front of the machine so they are not stacked up directly over the ball feeding mechanism.

Reset Button

The Reset Button may pop out for the following reasons:

1) **A ball is stuck in the machine.** Remove the ball before resetting the button. If you don’t see the ball between the throwing wheels, look in the front corners of the machine.

2) **The ball throwing wheels are excessively dirty or slick.** This prevents the wheels from properly grabbing the ball. Cleaning the ball throwing wheels as described in the section ‘Maintenance and Cleaning’ will restore proper performance.

3) **The machine may need service.** Do not repeatedly push the button if it continues to pop out.
Player Model Control Panel

1) **POWER SWITCH** - Pushing to the ON position begins a **start-up time delay period of about 10 seconds** before tennis balls are thrown.

2) **BALL SPEED** - Pushing the UP arrow increases speed. Pushing the DOWN arrow decreases speed. Changing the SPIN control will also effect the ball speed. Increasing spin will decrease ball speed.

3) **ELEVATION** - Pushing the UP arrow raises the ball trajectory, and pushing the DOWN arrow lowers the trajectory. The elevation control automatically stops at the highest and lowest possible trajectories. It is best to move UP to the desired trajectory.

4) **INTERVAL** - Pushing the UP arrow increases the frequency of ball throws from one ball every 10 seconds to one ball every 1-1/2 seconds. Pushing the DOWN arrow decreases the frequency. The START/STOP button alternately starts and stops the balls from shooting.

5) **SPIN** - Pushing the UP arrow increases topspin (or decreases underspin). Pushing the DOWN arrow increases underspin. Two bars lit in the display indicates a flat shot.

6) **OSCILLATOR** - First, push the OFF/[CENTER] button. This will set the oscillator to the center position. Then physically align the machine at the baseline to throw balls up the center of the court. Then push the button for the type of oscillation you desire: RANDOM, 2-LINE NARROW, or 2-LINE WIDE.

7) **REMOTE** - Push the button so the light above it is lit to allow the machine to receive signals from the handheld remote unit. See the section ‘Remote Control’.

8) **BATTERY CHARGE JACK** - Plug the battery charger into this jack and a live AC outlet. (Note: there is no battery jack on the Plus AC/DC models).

9) **BATTERY INDICATOR** - This will illuminate when the battery charger is plugged into the Battery Charge Jack. It will change in color from red when the battery is discharged, to green when the battery is fully charged.

10) **RESET BUTTON** - See the section ‘Reset Button’.

11) **PLAYER MODE** - See the section ‘PLAYER MODE’ following.
Player Mode Instructions

Set the Tennis Tutor at the center of the baseline. Before initiating PLAYER MODE™ it is best to stop shooting balls by pressing the START/STOP button of the INTERVAL control.

Make sure the machine is set to move evenly to both the forehand and backhand sides. Push the OFF/[CENTER] button. This will set the oscillator to the center position. Then physically align the front edge of the machine parallel to the baseline.

Push either the BEGINNER, INTERMEDIATE, or ADVANCED buttons, and PLAYER MODE™ automatically picks an appropriate interval, elevation, speed, and spin, then changes both the side-to-side position and the depth of shots just like you were playing someone of that ability. Restart ball throws by pushing the START/STOP button or by pressing the BALL FEED button on the Remote Control.

The first ball thrown after pushing a PLAYER MODE™ button will be up the middle and to the deepest position. Use the first throw as a reference for making any changes you desire in the elevation, speed, or spin settings. Any changes you make will be saved even if you turn the Tennis Tutor off, so the next time you practice you can resume with the same settings. Any time you press a PLAYER MODE™ button it will delete any changes and revert to the default settings.

The side-to-side position and depth of each shot are computer-programmed to simulate the shot patterns of real players. The BEGINNER setting will not shoot any balls wide to the corners, but will vary the depth of shot more than will the INTERMEDIATE and ADVANCED settings. The INTERMEDIATE and ADVANCED settings will throw balls across the entire width of the court, but more balls will be toward the center just like in a real match. The ADVANCED setting has the most side-to-side variation, but the least variation in depth.

PLAYER MODE™ is a trademark of Sports Tutor, Inc.
Remote Control - 2-button Remote
Tennis Tutor will only accept commands from the remote transmitter when the Remote Switch on the control panel is ‘ON’. The remote transmitter controls two functions:

Ball Feed - Press the ball feed switch to alternately start and stop the ball feed.

Oscillator - Press the ‘OSC’ button to alternately start and stop the oscillator. The oscillator switch must be in the ‘ON’ position for the oscillator to be commanded from the remote transmitter.

Tennis Tutor will ‘beep’ each time it receives a command from the remote transmitter.

Remote Control for 2-line - To stop and start ball throws in 2-line mode push the ball feed button of the remote when Tennis Tutor is moving between the two throwing positions.

Multi-Function Remote (Plus Player model only)
The Multi-Function remote transmitter controls all functions of the Plus Player model. Press the appropriate button on the transmitter to adjust the various settings, just as you would on the control panel of the machine. The machine will “beep” to confirm each stage of adjustment.

NOTE: Tennis Tutor still draws power from the battery when the ball feed is turned off with the remote control. To preserve the battery charge turn Tennis Tutor ‘OFF’ when you are picking up tennis balls.

Transporting Tennis Tutor
Remove all the tennis balls and close the ball hopper before transporting Tennis Tutor.

To transport Tennis Tutor over flat terrain extend the towing bar and tow as shown. To transport it over rough terrain or stairs lift it by the carrying handle.

Towing Tennis Tutor