

# PLAYMATE Add-On Tools for Teaching the Split-Step



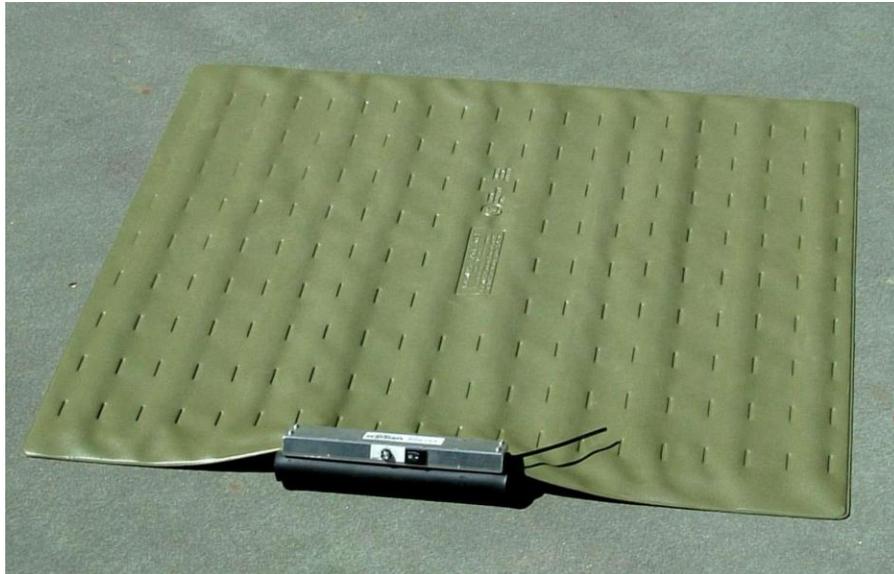
**SPORTS SPLIT STEP**  
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## THE SPLIT-STEP

Misunderstood by most players and difficult to teach under the best of circumstances, the Split-Step remains one of the most important concepts because of its impact on getting to the proper hitting position. Executed late and a player will be hanging in the air without the ability to begin accelerating to the ball; executed early and the player is flat footed and cannot capitalize on the laws of physics. Playmate now provides the complete set of tools that will allow this most difficult and yet most important aspect of the game to be learned while using a Playmate Ball Machine.

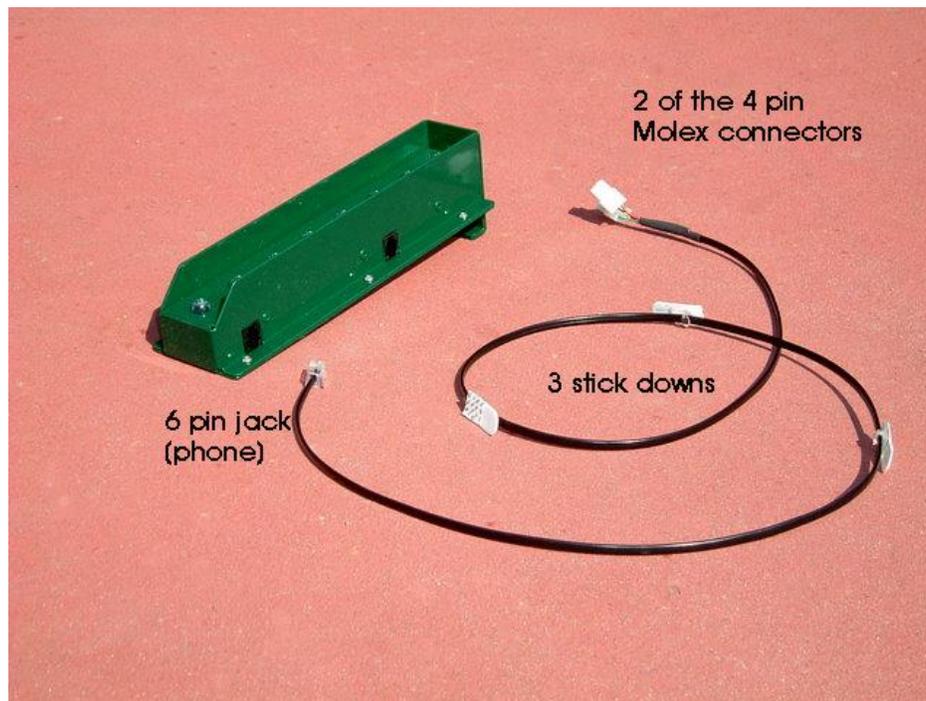
# TOOLS THAT MAKE A DIFFERENCE



## Serve & Volley PAD

### FEATURES

1. A player will automatically activate the ball machine after going thru a normal service motion and stepping off the PAD.
2. Any sequence of multiple shots can be initiated for emulating an actual serve/return rally or a particular combination(s) or ground strokes.
3. Once the sequence of shots is complete the ball machine stops delivering balls until the next player activates the PAD, thus providing time for coach/ student feedback.
4. The timing of the delivered ball can be adjusted at the PAD, so that for various serve speeds the server can advance to different locations relative to the net.
5. Doubles teams can practice serving and playing out points with multiple RANDOM shots and/or ball directions that can be RANDOM.
6. The PAD can be used with or without the Timing Light to learn the most difficult of the Split-Steps, that of timing the split-step after serving.
7. All ball machine functions are still available, for example shot delay, feed rate, speed etc.
8. Players can practice the Return of Serve using the PAD to start the ball machine 'serve' by stepping off the PAD. One or more service balls can be sequenced so that FH, BH and serves to the body can be learned. Slower Feed Rates of 3 or lower will allow recovery time for the returner.
9. Two players can practice returning serve and poaching the return of serve where either player can initiate the 'ball machine serve' by stepping off the PAD located behind them.



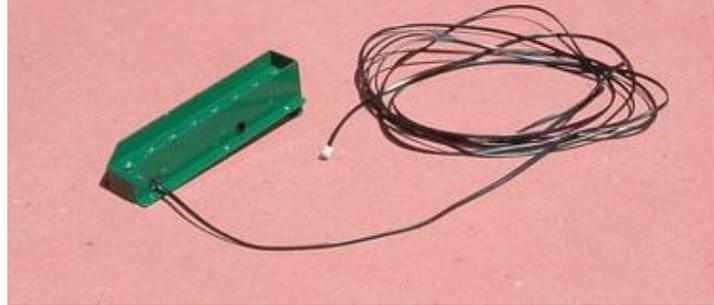
## Timing Light

(Base Unit located on ball machine)

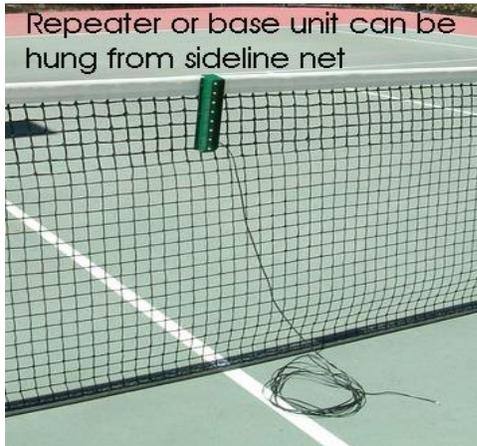
### FEATURES

1. The Timing Light is a training device used for learning or improving the player's split-step and thus their movement on the court.
2. This device operates with Playmate Ball Machines: THE ACE, THE DEUCE, THE SMASH, GRAND SLAM, THE GENIE, THE PLAYMATE PC and the PORTABLE.
3. Easy installation
  - The Base Unit hangs from front top of ball machine directly above the ball exit hole.
  - The cable routes to the right side and into the bottom of the ball machine hopper.
  - Two 4 pin connectors plug into control panel connector sockets 3 & 4 (see installation guide for details and pictures).
4. Bright LEDs with a dark background are easily seen from the far end of court
5. The device provides the player with timing information relative to the next ball delivery.
  - LEDs sequence DOWN in a vertically direction to alert the player to begin loading their legs so that they can be prepared to hop when the bottom LED comes ON.
  - The UP LED sequence will turn off the LEDs and all will be off when the ball exits.
  - If performed properly the player will be at the top of the hop when the ball emerges from the ball machine.
6. An output cable can be inserted into the phone connector at the top right side of the Base Unit and connected to the 'Video Option' via a phone cable and coupler; this combines valuable timing information with the student's video for examination by the teaching pro and student.

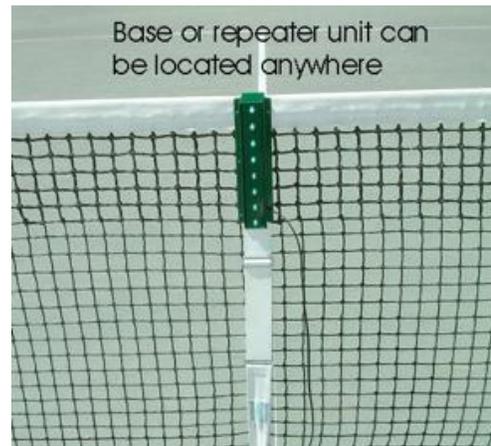
Repeater showing cable to base unit mounted at ball machine



Repeater or base unit can be hung from sideline net



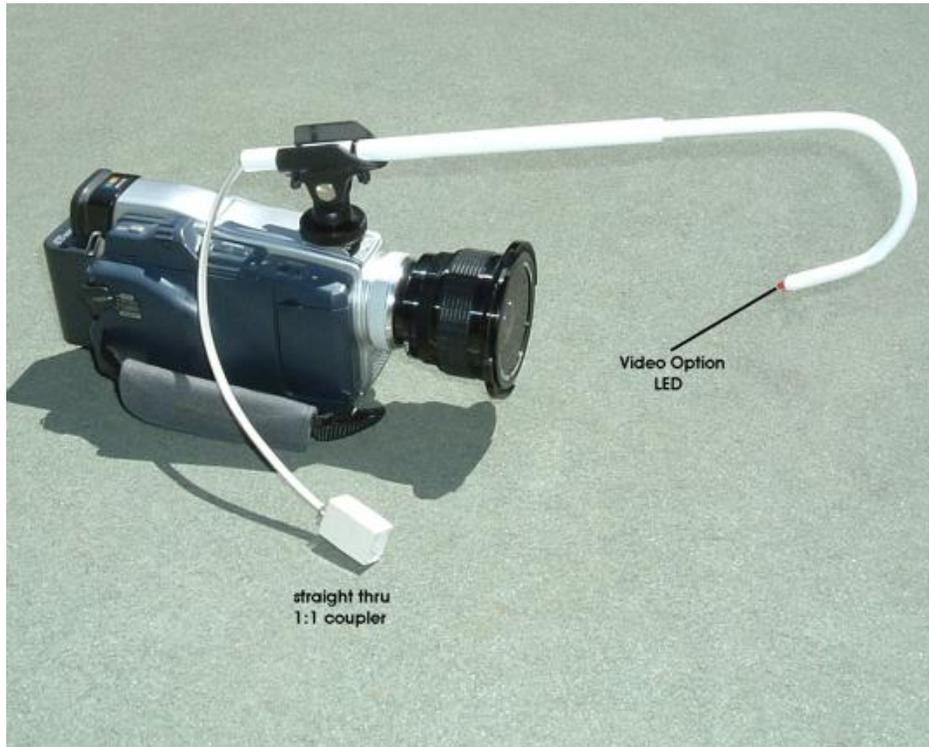
Base or repeater unit can be located anywhere



## Timing Light Repeater Display

### FEATURES

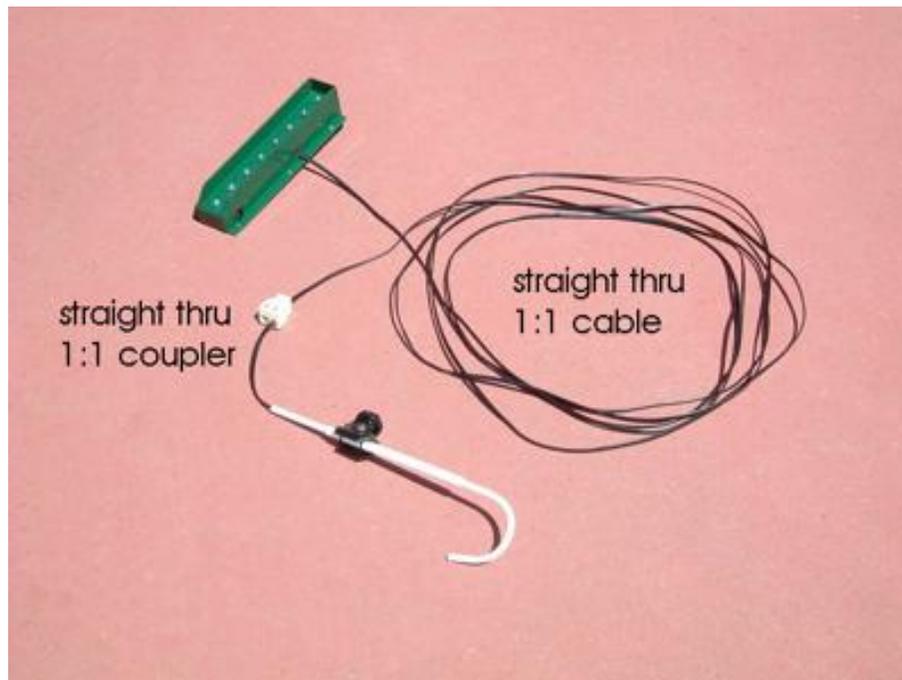
1. A Timing Light Repeater device is similar to the Base Unit and can be added by connecting a 4 wire phone cable between the phone connector at the top side of the Base Unit to the phone connector on the bottom of the Repeater.
2. The Repeater(s) provides an alternative display(s) synchronized with the Base Unit for hanging on the net cord or other convenient observation points.
3. This is a great addition for group lessons, as waiting players can more easily see and practice timing their Split-Step.
4. Up to 2 Repeater Units can be cascaded by connecting a 4 wire phone cable from the phone connector at the top side of the Base Unit to the phone connector at the bottom right side of the Repeater, then from the phone connector at the top side of the Repeater Unit to the next repeater or the Video Option, Practice Option or both.
5. When a Repeater(s) is used the video 'Video Option' will plug into the phone connector at the top side of the last Repeater.



## Video Option

### FEATURES

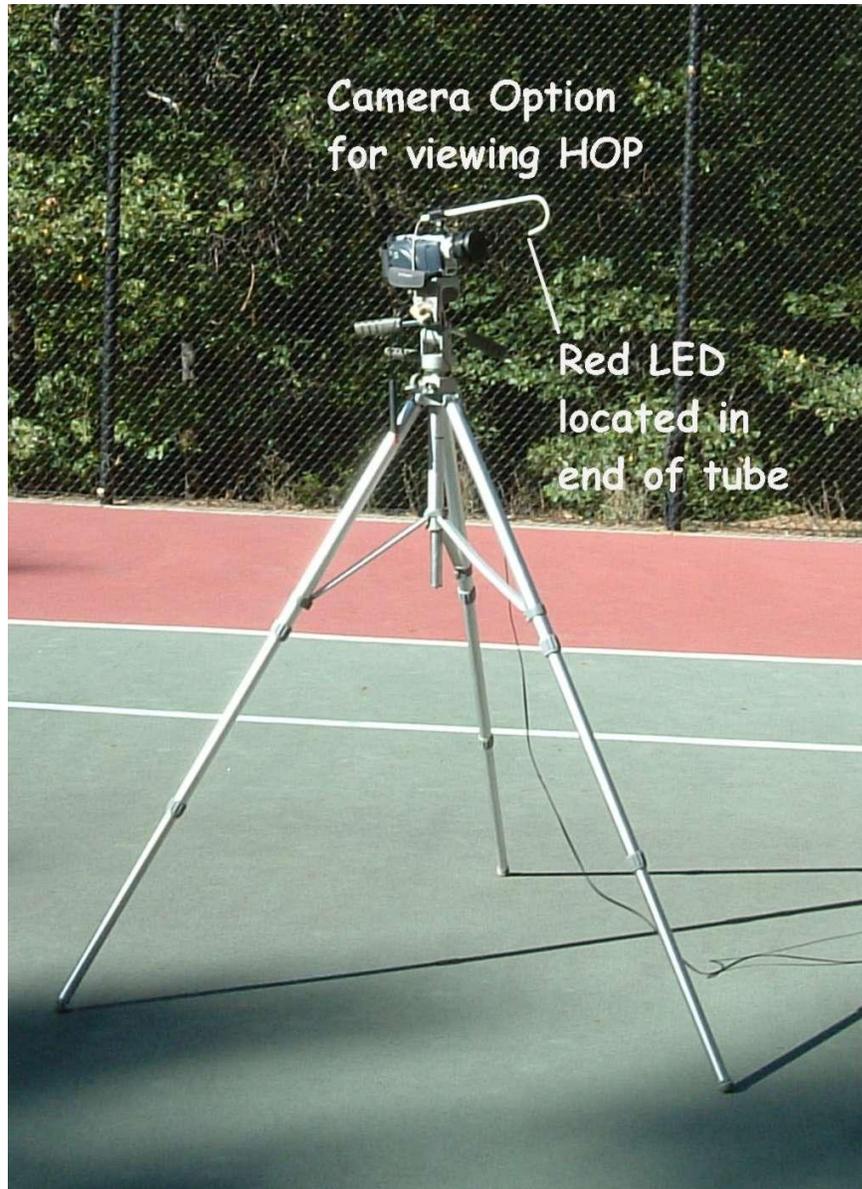
1. The option allows coaches to video tape students and LED indicator which is illuminated when the split-step should be executed and allows the coach to see whether the player is hopping to soon or to late (or not at all).
2. A small red LED is mounted in the end of a plastic tube that attaches to a microphone holder shoe of a video camera.
3. The small red LED is timed to flash at the start of the down movement of the LED's and then come ON for 0.2 seconds while the player is rising into the air for the hop portion of the split-step, then goes OFF when the ball is ejected.
4. The Video Option plugs into either the phone connector at the top side of the Base Unit or the phone connector at the top side of the Repeater Unit with cable lengths up to 100'.
5. The LED holder can be moved forward and aft, or tilted to any chosen position in the video frame so that close-ups and wide angled shots can be captured with minimum blockage of the player.



## Coupler and Cable Option

### FEATURES

1. This Coupler & Cable Option allows both the Video Option and the Practice Option to be used at the same time. The user should specify the cable(s) lengths and ordered when ordering the Timing Light.
2. ***Straight thru*** phone couplers & cables must be used whenever any of the Options are connected or the cable extended using a coupler and another cable; if hookups are completed properly the Timing Light and Options should flash once when power is turned ON; one will not harm any of the components if the cables or couplers are not ***straight thru***, but the system will not function properly.
3. You can order all cables and couplers and be assured that correct wiring will be obtained.



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