

## How to install your P3, P2XL or P1 Fast Track Laser Start Gate

Enclosed you will find the laser start gate side mount brackets, connecting cable, nine volt AC power adapter and spare mechanical start switch and cable. The mechanical start switch may be used if desired for at-home testing, practice runs, or as a back-up starting mechanism for your FAST TRACK timer). The laser start gate provides the most precise start signal possible. It eliminates any question regarding inconsistent start gate operation. As the cars begin to roll off the starting line, a laser beam is interrupted signaling the timer to begin.

To install the device on your track, pencil a perpendicular line approximately one inch in front of the starting line. Plug in the AC power adapter and plug unit into electric outlet. The red beam must be aimed directly into the small white tube on the side of the black box. Press the reset button to turn on the red light. While holding the start gate in position, on either side of the pencil line, drop the car release mechanism. Make sure that the car release mechanism does not interfere with the laser beam. If the red light goes off during this test, reposition the beam and try again.

Once the correct position is located, carefully drill pilot holes in the underside of the track for mounting the metal bracket and the black box. The black box extends above the track, while the metal bracket extends below the track. Attach the start gate with wood screws. The laser beam will be attached to the metal bracket by magnets, which allow for precise adjustment.

Test the starting device.

With laser starter mounted and plugged into an outlet, place one or more cars on the starting line with the car release mechanism closed. Make sure the red beam is aimed and centered directly into the white tube. Press the reset button. The red light signifies that the beam is on and properly aligned. If the red light does not stay on, readjust the laser beam by carefully sliding the magnet on the metal bracket until the beam is centered in the tube. Release the cars. The red light should go off when the cars break the beam.

Attach the start gate to the FAST TRACK timer with the enclosed cable, which has an earphone jack on each end, and you are ready to race.

