

## Tru Speed PWM II Slot Car Controller Quick-Start Guide...

HOLD 1 > 12 = Min > Max	HOLD 1 > 12 = Min > Max  Duration that brakes are applied and the speed to which the car will slow before braking stops and gives way to natural motor braking. Assists corner entry speed and control - the inertia of the car carries it around tight bends under natural deceleration, helping to keep it in the slot.
BRAKE 1 > 12 = Light > Heavy	BRAKE 1 > 12 = Light > Heavy  Rate at which the motor's regenerative braking effect is applied when the trigger is released. Can be used to dial-out shuddering/rattling/loss of traction - controls corner entry speed and smoother control over car under acceleration.
ACCELERATE 1 > 12 = Slow > Fast	ACCELERATE 1 > 12 = Slowest > Fastest  Rate at which power is delivered to the motor (Choke). Helps to prevent front of the car lifting under hard acceleration - helps with loss of traction out of the corners and lost time due to snaking on straights.
TOP SPEED 1 > 12 = Slow > Fast	TOP SPEED 1 > 12 = Slowest > Fastest  Maximum speed limit - reducing the top speed setting tames the motor on twisty, banked or sweeping corners to allow a confident full trigger squeeze.  On reduced (1>11) speed settings press the BOOST button for maximum straight-line speed.
START SPEED 1 > 12 = Slow > Fast	START SPEED 1 > 12 = Slowest > Fastest (high $\Omega$ > low $\Omega$ )  Defines the lowest initial start-off speed and works in conjunction with the trigger controls (Red / Black knobs - see below). With a FAST start-up the change in power between each segment will be small, for a SLOW start-up speed it will be greater.
RED 10-stage 'curve' sensitivity	The RED control knob sets the element feel by adjusting the shape of the throttle response curve from linear '0' to logarithmic '9 - controls the sensitivity of the wiper element.
BLACK 10-stage 'end' speed	The BLACK control knob sets the size of the jump in speed from the second to last to the final segment on the wiper element. The idea is to give more control especially with high-voltage power supplies.  0= low end speed with the largest jump in speed at full trigger press 9=high end speed with the smallest jump in speed at full trigger press

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