

New at Summit Racing Equipment: Nitrous Express Maximizer 4 Controller

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Tallmadge, OH ([PRWEB](#)) August 03, 2015 -- Nitrous oxide is a great way to win races if the sudden bursts of horsepower can be harnessed and turned into traction. The [Nitrous Express Maximizer 4 Nitrous Controller](#) can operate one or two stages of nitrous based on one of five parameters to hook up that horsepower.

- **Time-Based:** a good choice for drag racing from a standing start. Easy to fine-tune so the car leaves softly enough to eliminate wheel spin. As the car goes downtrack, the controller smoothly adds more nitrous as traction increases.
- **RPM-Based:** This method allows a driver to add a little nitrous at lower engine rpm and ramp into full nitrous as the engine rpm increases. Since nitrous flow is limited to a small amount at low rpm, a racer can safely activate the nitrous to help to pull the car out of the hole.
- **MPH-Based:** Automatically limits nitrous to a smaller shot at low speeds where traction is limited, then provides a larger shot at higher speeds when traction improves. Bracket racers can use this feature to set a MPH nitrous cutoff point to help run consistent ETs.
- **Throttle Percentage-Based:** Allows a racer to “pedal” the car in the event of wheel spin. Nitrous flow smoothly increases and decreases as the throttle is worked, allowing a driver to regain traction and continue racing. This method is ideal for road racing, drifting, and street machines as it can introduce a small amount of nitrous at mid-throttle, then smoothly transition to full nitrous as the throttle is pressed to the floor.
- **Boost-Based:** Boost progression allows nitrous to come on strong to eliminate turbo lag, then smoothly ramp down to let the turbo do its thing. The end result is monster power with zero lag, even with a huge turbo. On diesel applications, the controller will not allow nitrous delivery until the engine starts to see boost, preventing a engine stall.

The Nitrous Express Maximizer 4 also monitors the engine’s air/fuel ratio using an optional wideband O2 module. This allows the controller to automatically adjust fuel and nitrous solenoid output to achieve the user-specified air/fuel ratio. As bottle pressure drops toward the end of a run, the Maximizer 4 will automatically adjust the solenoid output to maintain a consistent and safe air/fuel ratio.

Summit Racing Equipment

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