

US Shift Announces Quick10, A New 10 Speed Transmission Control System

New Quick10 Controller for Ford 10R80 and GM 10L90
Transmissions

October 3rd, 2024



After seven years, the jointly-developed Ford 10R80 and GM 10L90 transmissions are now battle proven in the field and on the drag strip. In stock form, these transmissions are easily capable of handling over 600 horsepower, while aftermarket upgrades are readily available to support well over 1000 horsepower.

Our new Quick 10 controller supports the Ford 10R80 and GM 10L90 transmissions. This product represents the pinnacle of our transmission controller development evolution, and its development began prior to the release of our Gen2 series of controllers in 2019. We have upgraded our entire suite of clutch-to-clutch transmission control tools to enable the best performance and shift quality possible with our new seventh-generation firmware/software platform. We are also pushing most of these improvements back into the Quick 6, enabling further improvements to that product, as well. The development process has been extensive because, with ten gears, many downshift combinations are available. With so many shifts occurring as you drive, poor shift quality is far more irritating than it would be in a four or six speed transmission. As a result, through the multiple years of development, we have completely redesigned the controller hardware and have upgraded most of the controller firmware, as well as the tuning software. We have also added a microSD card socket to the controller to enable continuous data logging and other features. All Quick 10 controllers will be equipped with our attractive and functional remote display unit for the best user experience with superior vehicle integration. The Quick 10 is currently in beta test, with full release planned for January 2025.

Some of the benefits we have enabled in Quick 10 are improved and more extensive shift learning capability for quick, smooth, and consistent upshifts, self-tuning downshifts with improved shift quality, and new predictive algorithms to optimize downshifts for the quickest and most responsive power-on downshifts possible. With so many speeds available, it is imperative to downshift to the desired gear as quickly as possible with minimal steps. We have optimized the downshift process to leverage the capabilities of these transmissions to their full potential. We have also worked to optimize smoothness of these downshifts for the best experience possible.

We will be exhibiting the Quick10 at the upcoming SEMA Show November 5-8 at booth #23563 and will have more information to share soon.

