

## TCU Manual Mode Upshift and Downshift

### Communication Interface

RS-232, 38400 baud, 8-N-1

### Commands

Function	Command	Format
1-byte write	X	X [2-byte address] [1-byte data] [1-byte checksum]

### Use

The TCU can be shifted using the RS-232 serial communication.

NOTE: The TCU must be in True Manual mode or Simple Manual mode before shifting via serial communication. Either manual mode can be enabled using digital inputs or a mode override.

To upshift the transmission controller, write a 1 (set bit 0) to address \$200A (8202 decimal). To downshift the transmission controller, write a 2 (set bit 1) to address \$200A (8202 decimal).

### Example

This example upshifts the transmission controller.

1. Transmit: "X [20] [0A] [01] [1 byte checksum]"

This example downshifts the transmission controller.

1. Transmit: "X [20] [0A] [02] [1 byte checksum]"