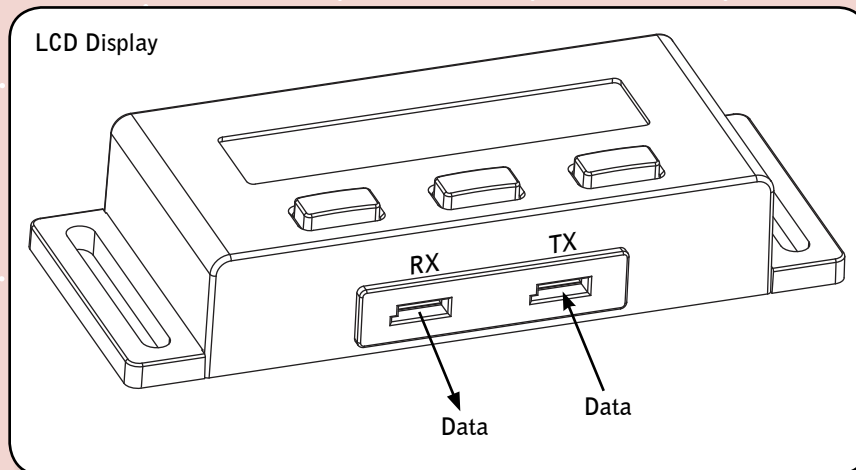# LCD Display

Use the VEX LCD Display Module to receive real-time feedback from your robot to perform live debugging. View multiple stored program configurations and select between them or provide additional user-input to your robot.

INSERT THIS PAGE at the **back of the Logic Chapter** in your VEX Inventor's Guide.

LCD Display

RX   TX

Data

Data

YOU MUST HAVE A PROGRAMMING KIT TO USE THIS MODULE!

There are two interconnect ports on the side of the LCD module. The two interconnect ports are labeled RX and TX. The RX and TX ports are labeled with respect to the device that connects to the LCD Display Module.

Example: Data is flowing out of the RX port on the LCD Display Module; therefore, the RX (output) port on the LCD Display Module should connect to the RX (input) port on the VEX PIC Microcontroller. Likewise, the TX (input) port on the LCD Display Module should connect to the TX port (output) on the VEX PIC Microcontroller.

Use standard VEX Keyed PWM Cables for connecting the LCD Display Module to the VEX PIC Microcontroller. Use the VEX Serial Y-Cable for connecting the LCD Display Module to the VEX Cortex Microcontroller. The Y section of the Serial Y-Cable with the Yellow wire connects to the RX port and the Y section with the White wire connects to the TX port on the LCD Module.

There are three pushbutton switches located on top of the VEX LCD Display Module. These three pushbutton switches can be configured by the user through software.

For help on programming or connecting the LCD Display Module, please refer to your programming software.

For More Information, and additional Parts & Pieces refer to:
www.VEXrobotics.com