Sample Projects for Servosila SC-25 Brushless Motor Controllers

Project Name	OS	Interface	Language	Type of application	Dependencies	Description
canbus-esc-command	Linux	CAN	C++	command line	none	The sample shows how to send an Electronic Speed Control command via CAN bus (Linux SocketCAN API).
canbus-telemetry	Linux	CAN	C++	command line	none	The sample demonstrates how to receive and decode telemetry messages coming via CAN bus.
slcan-esc-command	Linux	USB	C++	command line	none	The sample shows how to send an Electronic Speed Control command via USB (virtual serial port) using SLCAN text protocol.
slcan-telemetry	Linux	USB	C++	command line	none	The sample demonstrates how to receive and decode telemetry messages coming via USB (virtual serial port) using SLCAN text protocol.
MotorControlGUI	Windows, Linux	USB	C++	GUI	Qt library	The sample is an end-to-end demonstration of a graphical user interface (GUI) for controlling an electrical drive. The sample displays telemetry coming from the controller and periodically sends commands to the controller.

The sample projects come with reusable helper C++ functions and classes that help encode or decode CAN, SLCAN and CANopen messages. Use a C++ compiler (Gcc, MinGW, Visual Studio) and an IDE (Code Blocks, QtCreator, Visual Studio) to compile and launch the samples.
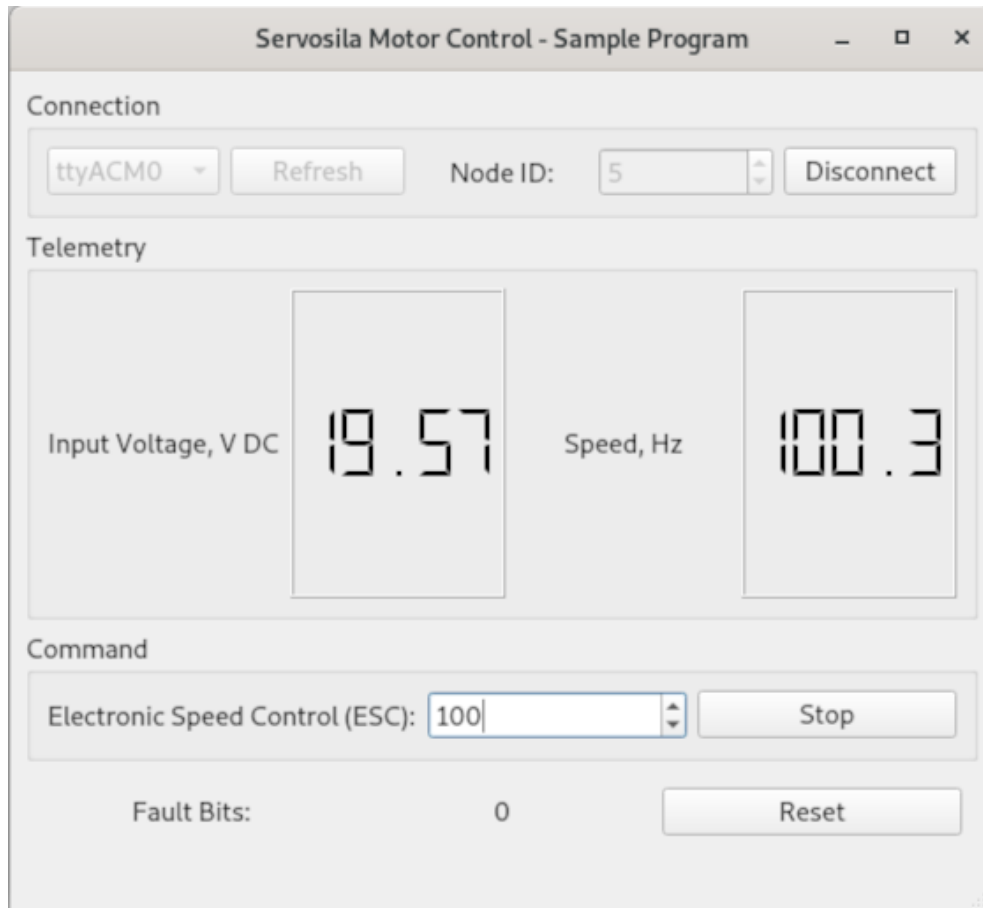
Figure 1: Screenshot of MotorControlGUI, an example project written in C++ with QT library. The sample program runs on both Windows and Linux. The source code of the application is freely available for modification, reuse or distribution.

Servo drives designed around SERVOSILA SC-25C brushless motor controllers

YouTube: http://www.youtube.com/user/servosila

www.servosila.com/en/motion-control