

SUB FIX

WINDOWS CONTROL SOFTWARE

Windows 98 & NT software used to control Tecnadyne's ECU-4x8 controller over an RS485 twisted pair or fiber optic link. Software provides full functionality for up to 16 linked ECU-4x8's.

SUB F/X software has a fully customizable GUI. All display elements, including digital, analog and PWM outputs and digital and analog inputs, can have user defined text, colors, screen positions and display status.

Accepts input from game port and USB joysticks with power mixing controls and customizable switch assignments.

SUB F/X software has data logging and multi-function trend graphing capabilities.

Software also has if-then-else conditional programming with timers, counters & boolean logic.

Analog inputs can be displayed as digital data, bar graphs or as a compass rosette. User bitmap images can be displayed behind objects in main window.

The screenshot shows the 'Tecnadyne Sub F/X' software window. The main display area features a vibrant underwater scene with a diver and various marine life. Below this scene is a control panel with several sections: 'Main Control' with 'Start' and 'Stop' buttons; 'RS485 Communication' with fields for 'PC COM port' (set to COM1), 'Total TX Packets' (5), 'Total RX Packets' (0), 'Rx size', 'RX fragm.', 'TX Underrun' (1), and '# Mid packets'; and 'Alarms' with a grid of 8 status indicators (Water, Comm OK, and numbered 1-8). To the right of the main window is a large data display area showing digital inputs (DI0-DI55), analog outputs (AO0-AO7), and PWM outputs (PWM0-PWM15). Each output is accompanied by a bar graph and a gauge. At the bottom of the software window, there are 'Run' and 'Stop' buttons, and a menu bar with 'Console', 'Display', 'Debug', 'Sampling', and 'Setup' options. The system tray shows the date and time: '1/22/00 8:54:42 AM'.