

PRESS RELEASE


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Axiomatic releases a family of rugged, high-efficiency machine control components with an easy-to-use PC-based configuration tool, the **Axiomatic Electronic Assistant (EA)**. The Electronic Assistant can configure a variety of Axiomatic J1939 devices, including the following. These machine control components are also available in CANopen versions.

- **Battery Chargers**
- **DC & BLDC Motor Controls**
- **Engine Controls**
- **I/O Modules**
- **Valve Drivers**

Typical applications for these components can include:


- Industrial, off-highway (mobile) and marine applications for the control of hydraulic valves
- Interface with a diesel engine's electronic control module PWM signal to drive accessories
- Machine motor drives and battery charging systems



Electronic Assistant

- PC-based configuration tool
- Easy installation
- Multiple J1939 devices
- High performance
- Diverse applications

The **Axiomatic Electronic Assistant (EA)** is a software configuration tool that runs on a PC connected to a J1939 bus via an **Axiomatic USB to CAN converter**, P/N: AX070501. With connection to the bus, the Axiomatic EA finds all the devices on the bus, and recognizes the Axiomatic controls. With the EA, a user can quickly configure an Axiomatic control for its desired performance over a wide variety of applications. An Axiomatic **CAN scope** is also offered to monitor CAN messages in a text format. The CAN scope is a useful PC-based debugging tool for J1939 or CANopen networked devices.



AX070501, USB-CAN with Software Development Kit

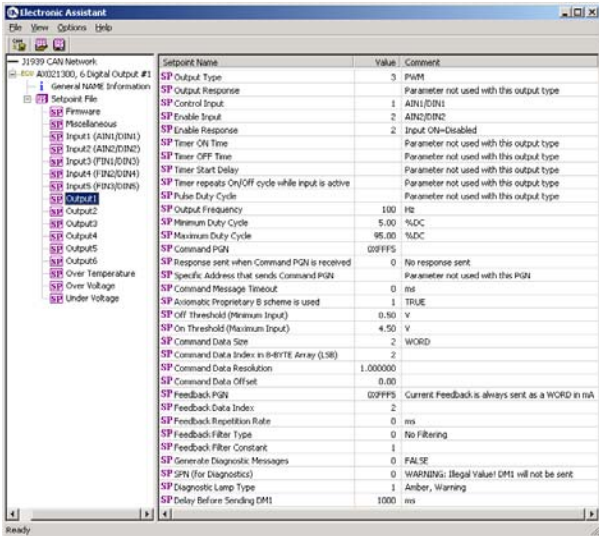


Figure 1.0 Windows-based configuration screen from the Electronic Assistant

Setpoint Name	Value	Comment
SP Output Type	3	PWM
SP Output Response		Parameter not used with this output type
SP Control Input	1	AN1/DI1
SP Enable Input	2	AN2/DI2
SP Enable Response	2	Input ON=Disabled
SP Timer ON Time		Parameter not used with this output type
SP Timer OFF Time		Parameter not used with this output type
SP Timer Start Delay		Parameter not used with this output type
SP Timer repeats On/Off cycle while input is active		Parameter not used with this output type
SP Pulse Duty Cycle		Parameter not used with this output type
SP Output Frequency	100	Hz
SP Minimum Duty Cycle	5.00	%DC
SP Maximum Duty Cycle	95.00	%DC
SP Command PGN	02FFFS	
SP Response sent when Command PGN is received	0	No response sent
SP Specific Address that sends Command PGN		Parameter not used with this PGN
SP Command Message Timeout	0	ms
SP Axiomatic Proprietary B scheme is used	1	TRUE
SP Off Threshold (Minimum Input)	0.50	V
SP On Threshold (Maximum Input)	4.50	V
SP Command Data Size	2	WORD
SP Command Data Index in 8-BYTE Array (LSB)	2	
SP Command Data Resolution	1.000000	
SP Command Data Offset	0.00	
SP Feedback PGN	02FFFS	Current Feedback is always sent as a WORD in mA
SP Feedback Data Index	2	
SP Feedback Repetition Rate	0	ms
SP Feedback Filter Type	0	No Filtering
SP Feedback Filter Constant	1	
SP Generate Diagnostic Messages	0	FALSE
SP SPS (for Diagnostics)	0	WARNING: Illegal Value! DFI will not be sent
SP Diagnostic Lamp Type	1	Amber, Warning
SP Delay Before Sending DMI	1000	ms

Axiomatic operates in Mississauga (Toronto), Canada as well as Munich, Germany and Tampere, Finland. As an integrated ISO9001: 2000 engineering design and manufacturing firm, our mission is to provide efficient, innovative electronic machine controls, power components and systems for mobile, marine, mining, military, utility and industrial equipment OEM's. Our rugged components are backed with a guarantee of excellent customer service. **Visit us at BAUMA 2007, Hall A3 Stand 649/752, in Munich, Germany, April 2007.**

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