TACTOR INTERFACE/CONTROLLER

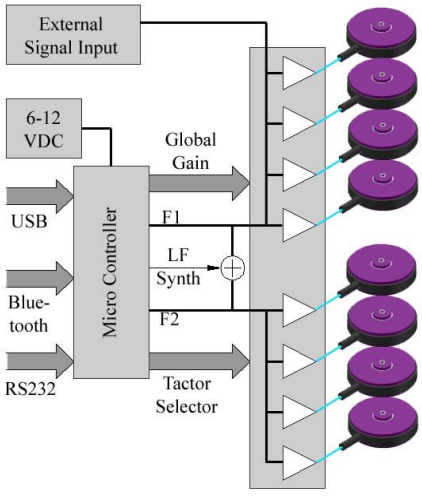
ADVANCED EVALUATION BOARD EVAL.2.0

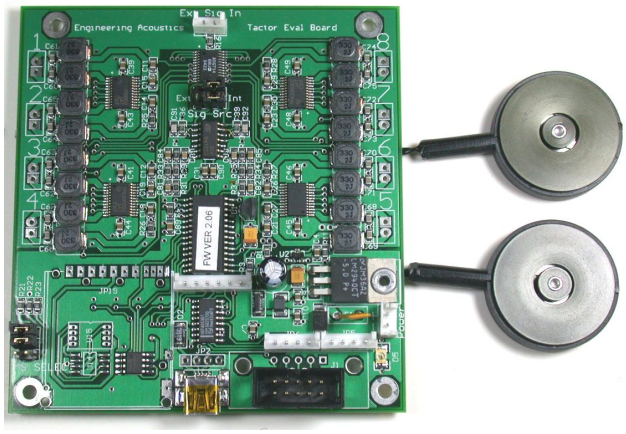
The Eval.2.0 Tactor Controller is an integrated control module that is capable of operating up to eight (8) C-2 Tactors. The controller can be battery operated, and is directly addressed via a RS232 serial or USB interface, using standard software protocols. Optional features include a Bluetooth wireless adaptor and additional on-board memory using a SD card.

The Eval.2.0 Controller is able to activate individual, or groups of C-2 Tactors under software control. Predefined tactile patterns ("sequences") can be stored in the on-board memory and activated with a single command. Separate signal frequencies can be set for channels 1-4 and 5-8, and four global gain settings can be adjusted anytime during the operational cycle via software commands. Multiple boards may be connected together in a master-slave configuration, capable of controlling up to 64 Tactors.

EAI's Eval.2.0 Interface/Controller is an "off-the-shelf" solution to a wide variety of tactile applications, and is well suited for both R&D activities and implementation in operational systems.

Channels	8
Size	3.54" x 3.77" (PC104 size equivalent)
Frequency Generation	Pseudo-sine wave in the range of 31Hz to 300Hz. Dual frequency mixing for pseudo low-frequency signal synthesis.
Power Supply	6.2 to 12 V (1.1 Amax) via battery or DC adaptor.
Tactor Output	350 mArms (max) at 250 Hz. Recommended duty cycle is <10%.
Options	**External Input** – jumper selectable, allows the use of an external signal generator. **Bluetooth Adaptor** – Bluetooth wireless option for remote communication. **Board Networking option** – each board can control up to 7 "slave" boards. **Additional Memory** – SD memory card for storing expanded sequence data.
Software	Sample programs are provided to demonstrate and test the hardware. Special drivers are not required, but a Windows DLL is available to simplify programming. Linux drivers are available as an option.





406 Live Oak Blvd, Casselberry, FL 32707
email: sales@eaiinfo.com; www.eaiinfo.com
phone: 407 645-5444; fax: 407 645-4910