



## Wizard- V Board

Motion / Digital / Sound Controller

### General Description

The **Wizard -V Controller Board** is a small 9 Volt dc powered interface that will record and playback up to **5 minutes** of action for up to **2 servos and 2 digital outputs or on-board relays**. It also incorporates a **4-minute audio recording / playback chip** and the ability to control one servo channel either from user recorded moves, from a live audio signal source or from on-board digital record/playback sound chip.

The Wizard -V board incorporates many features such as looping playback servo motion with variable delay between loops. An auto start-up on power option and on board connector for remote activation switching such as a PIR sensor, contact switch, relay closure or mat pressure pad to initiate playback.

On-board selectable relays ( 2 Amp @ 30 Vdc ).  
Relays have insert wire terminal connection blocks.

120 seconds high quality sound chip- digital recording selected from either the line input or from the on-board electret microphone.

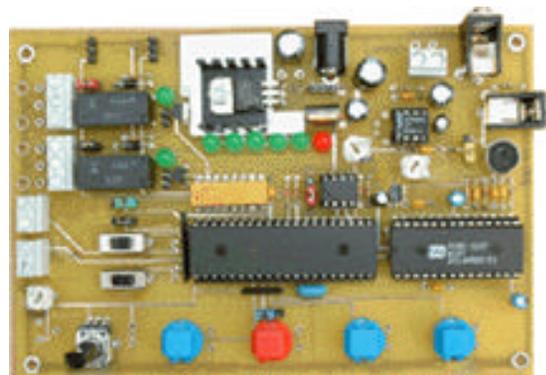
Programming recording sessions are built up on a channel by channel process - no complex programming is required. During recording, all previously recorded channels are re-played to aid synchronization the current channel being programmed. Programming is easily done, with a set of push button keys and control potentiometer built onto the board. No host computer or other programming device is needed to operate the Wizard - V board.

The Wizard -V board is pre-assembled and tested and comes with user manual, application drawings. Servos and Power supply not included.

Power Requirements: 9 Volts dc @ 2 Amp.

### Applications

- Haunted Attractions
- Animatronics
- Special Effects
- Trade Shows
- Theatre
- Robotics
- Media Arts
- Technology
- Entertainment
- \* Theme Parks
- Advertisement
- \* Education
- Other



Board Size: 6" L x 4" W x 1" H

Power Requirements: 9 Voltsdc @ 2 Amp.

### Features

- 2 Digital channels- either 0.0 - 4.5V @ 10mA outputs or changeover relay rated 30 Volts @ 2Amp .
- 2 Servo channels – one channel may be automatically controlled from an audio signal either from the line input or from the on-board sound chip.
- 4 min high quality sound chip- digital recording selected from either the line input ( a sound card and wav files) or from the on-board electret microphone.
- Potentiometer to adjust the servo position and the time delay between loops in loop-playback modes.
- Digital ON-OFF, NEXT, PLAY and RECORD buttons.
- Status and Programming LED's.
- Record enable/disable program protection jumper.
- EEprom programming memory.
- AUTO-PLAY and LOOP-PLAY selection switches.
- Sync output for multi-board operation.
- Remote start option- for interfacing to pressure pads/PIRs, sensors, switches, relay contacts,etc.
- Action reversing option for the audio channel servo.
- Maximum and minimum set points to the audio servo channel.
- Many other features.

### Ordering Information

Catalog Number:  
WAC-0050

**For more information on this product or to place an order**

**Blue Point Engineering**

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