

## Puppeteer Plus Board

### Puppet - II

Motion / Switched Digital Output Controller

#### General Description

The **PUPPETEER BOARD** is a 5 Volt dc powered Servo motion and Digital switched ON / OFF output control interface board.

The Puppeteer board provides up to 4 minutes of recording and playback time for one standard hobby R/C +5 Volt dc servo channel and one digital switched ON and OFF output channel at +5 Volts dc (1Amp @24 Vdc rated relay ).

The Puppeteer board incorporates several features such as sequential recording options, daisy chaining of additional puppet boards and loop play with variable inter-loop timing and automatic start-up positioning.

An auto start-up on power option and circuit board connection points for remote activation switching such as a contact switch or mat pressure pad to initiate servo playback motion and digital switched ON / OFF output action.

Recording session is built up on a channel process - no complex programming is required.

Programming is easily done, with a set of push button keys and control potentiometer built onto the board.

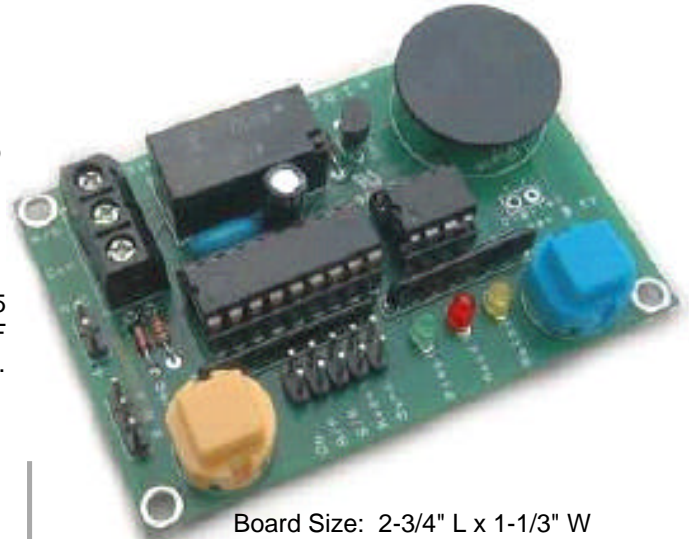
The Puppeteer board allows you to record servo channel motions first and then superimpose the digital channel action while the servo is in playback.

Servo motion and switched ON / OFF outputs are all controlled from a single board.

Connection pins on-board for servos, output hookups. Relay terminal on board for easy connection.

Puppeteer Board is pre-assembled and tested.

Power Supply and Servo not included.



Board Size: 2-3/4" L x 1-1/3" W  
Power Requirements: 5 Volts dc @1 Amp.

#### Features

- 1 Servo output channel, capable of recording and playback of up to 4 minutes of motion.
- 1 Digital switched 5 Volt dc ON / OFF channels capable of recording and playback of up to 4 seconds of action.
- On-board potentiometer to adjust servo positions during recording or to determine the time delay between playback loops. ( During automatic loop playback - adjustable between 5 and 65 seconds ).
- Full 180 degree rotation pulse train.  
( for servos that can physically rotate 180 deg ).
- Synchronization pulse for multiple board operation.
- The Puppeteer board has an additional digital channel with a 1Amp @24 Vdc rated relay. Record your servo channel first and then superimpose the digital channel while the servo is playing.
- 4.8 to 6Volts dc operation power range.
- NEXT, PLAY and RECORD button keys.
- Record enable / disable jumper, erase protection.
- AUTO-PLAY and LOOP-PLAY selection switches.
- No host computer or other programming device is needed to operate the Puppeteer board, all controls are built on the Puppeteer board.

#### Applications

- Animatronics
- Robotics
- Ventriloquists
- Haunted Attractions
- Media Arts
- Other

#### Ordering Information

Catalog Number:  
PCA-0001

[For more information on this product or to place an order](#)

Blue Point Engineering

www.BPEsolutions.com  
Phone (303) 651-3794