
DESCRIPTION

The Menorah kit is a purpose-programmed DC-16 controller board that gives you control of up to nine WickLED modules to help celebrate Hanukkah. Operational mode (stand-alone or manual "lighting") is control by using a jump on the Baud header. For manual mode the Prop-Pot controls the lighting sequence.

Kit Components

- DC-16 "Menorah" board
- 9 WickLED modules
- 12vdc power supply
- Pop-Pot and 14" connection cable

The Prop-Pot is connected to the Serial header of the DC-16 using the Prop-2 side of the Prop-Pot.



NOTE: *The DC-16 pcb has been programmed with the Menorah application and no longer behaves like a standard DC-16. To restore original DC-16 functionality you must order the DC-16 programming upgrade option. See www.efx-tek.com for details.*

Operational Options

Baud Jumper = Out

This enables the stand-alone operation of the Menorah program. On power-up, the Shamash candle (OUT9) will light, followed by the candles for each days (OUT1 through OUT8). There is a 2-second delay between each output "lighting."

Baud Jumper = In

This enables the manual operation of the Menorah program. This mode requires a Prop-Pot to be connected to the SERIAL header of the DC-16 Menorah board. The Prop-Pot has two options; Prop-1 or Prop-2; this program requires the Prop-2 option of the Prop-Pot.

Manual operation begins in the extreme counter-clockwise position of the Prop-Pot. On power-up, the Shamash will light, followed by Day 1. By turning the Prop-Pot clockwise additional days can be lit. Note that you should turn the Prop-Pot very slowly as there is a built-in delay between each day becoming active – this is deliberate to simulate the manual lighting of the Hanukkah candles.

Connections

EFX-TEK recommends using wire-nuts to group WickLED common wires (white stripe) for connecting to the V+ terminal on the DC-16. For clarity, only two of the nine WickLEDs are shown connected in the diagram below.

Note that when using the Prop-Pot to control Menorah lighting sequence the Prop-2 side must be used and the Baud jumper installed on the DC-16.

