



STOPPING TWIDDLES by mode while firing:

Manual Mode: N/A

Full Auto Mode: After initial pulse to start the full Auto mode a second pulse will stop the Twiddle at the last cue it fired another pulse will finish the firing sequence from where it was stopped. This start and stop functionality is available the entire length of of the firing sequence.

Semi Auto Mode: Since the Semi Auto Mode requires a continual pulse to fire sequentially any release of the continuous pulse will stop the Twiddle in the sequence. Activation of the continuous pulse will continue the firing sequence from where it was stopped.

Table Mode: After initial pulse to start the Table Mode a second pulse will Disarm the Twiddle at the last cue it fired but the internal clock will continue to run. Another pulse will rearm the Twiddle and will shoot only the items remaining from where the running clock is at the time. Note the firing cues that the clock passed while disarmed and will not shoot. If at any time while the Twiddle is firing a single continuous pulse over 3 seconds will rest the clock to 00:00:00. This feature will allow the operator to rest the show incase of a false start.

Options Mode: This mode allows the Twiddle input pulse and output firing pulse to be adjusted based on the needs of the operator.

Output Pulse can be set at 20 ms or 90 ms depending on the type of E-matches used.

Input Pulse of 10 ms for signal pulse from digital devices

Input Pulse of 40 ms for signal pulse from analog devices

Note: Note the operator should always test for the best results depending on the system used to trigger the Twiddle.

Recommended minimal spacing of firing cues from Digital Firing Systems

Pyro Digital 60 ms 2-frames

Fire One 40 ms

TWIDDLE II

Operational Guide



Specs :

- Firing Cues 32
- Output Voltage 12 Volts
- Max E-matches 10-Parallel / 6-Series per cue
- Output Resolution 10 ms
- Input Resolution 20 ms
- Battery idle time 24 hours



Hardware I/O

1. ON/OFF Power switch
2. Arming Switch- On for armed /Off for programming
3. Mode Button- Selects the operating mode
4. Up/Down Buttons- Selects increase or decrease of time
5. * Button- Continuity check {?} = open {^} = closed
6. Save Button- Saves programming to Memory
7. Trigger post- Connection to a voltage pulse.
8. Charger- Input for supplied external charger
9. Optional XLR Connector- for future remote control development
10. Ethernet connector- Optional data download
11. Centronics- 36 pin Firing output (32 Cues)
12. Armed Red LED- Led illuminates when Armed for firing

Manual Mode Operation:

1. Turn on power switch.
2. Select mode button to Manual
3. Turn Key Switch to Armed Position
4. Each time a pulse is sent to the trigger post the unit will fire sequentially starting from Cue 1 through Cue 32

Full Auto Mode Operation:

1. Turn on power switch.
2. Select mode button to Full Auto mode
3. Select the UP/Down buttons for a desired continuous delay between .01-10.00 seconds.
4. Press the Save button to retain in memory
5. Turn Key Switch to Armed Position
6. When a single pulse is sent to the trigger post the unit will fire sequentially starting from Cue 1 through Cue 32 with the single preprogrammed time in step 3.

Semi-Auto Mode Operation:

1. Turn on power switch.
2. Select mode button to Semi Auto mode
3. Select the Up/Down buttons for a desired continuous delay between .01-10.00 seconds.
4. Press the Save button to retain in memory
5. Press Arm Switch to Armed position LED will turn red and ARMED will appear on LCD screen
6. When a constant voltage is sent to the trigger post the unit will fire sequentially starting from Cue 1 through Cue 32 with the single preprogrammed time in step 3.

Table Mode Operation:

1. Turn on power switch.
2. Select mode button to Semi Auto mode
3. Select the UP/Down buttons for a Firing time between .01 seconds to 30 minutes for cue #1. Then press Save Button. After saving the next cue will appear for programming. Repeat this step to program up to 32 cues
4. Press Arm Switch to Armed position LED will turn red and ARMED will appear on LCD screen
5. When a pulse of voltage is sent to the trigger post the unit will fire by time clock starting at 0 seconds through 30 minutes.