

Promaster Board Programming

The Promaster stock board is capable of 4 (four) different firing modes, each either capped at 15 BPS or uncapped.

To change firing modes, dwell, or ROF cap, you must first remove the right side clamshell grip to access the DIP switches on the board. The switches are numbered on the front side of the switch block for easy identification.

Quick reference to DIP switches:

- 1- Rate of Fire (ROF)
- 2- Mode
- 3- Mode
- 4- Dwell

Adjusting ROF:

Switch #1 is on the bottom of the board closest to the wiring harness connector, while switch #4 is on the top furthest, from the wiring harness connector. For a switch to be in the ON position the switch finger must be pushed towards the front (barrel) of the marker.

Switch #1 is used only for the ROF limits. With switch #1 in the OFF position ROF is limited to the loading speed of your hopper or unlimited. With switch #1 in the ON position your marker ROF will be capped at 15 BPS.

Adjusting Mode:

To change your firing modes you must use a combination of both switch #2 and switch #3. The combinations are as follows:

Mode	Switch #2	Switch #3
Semi	ON	ON
Ramp Auto	OFF	OFF
Ramp	ON	OFF
Ramp Burst	OFF	ON

To adjust your Dwell:

Switch #4 is not used in any of the firing modes and must remain in the OFF position during play.

- 1- With marker OFF, turn #4 switch to the ON position
- 2- Pull trigger and hold
- 3- Turn marker ON
- 4- As soon as the LED turns on release trigger
- 5- Count LED flashes (this is your current dwell setting, each flash equals 1 millisecond of dwell)
- 6- Pull and release the trigger for each millisecond of dwell required (wait 1 second from the time the LED comes back on before pulling the trigger again)
- 7- After desired dwell has been reached wait 10 seconds and the LED will flash the new dwell setting
- 8- Turn marker off
- 9- Turn Switch #4 OFF to lock in new setting

To turn the PDS off for dry-firing:

- 1- Turn the marker off
- 2- Hold in the trigger
- 3- Turn the marker on and continue to hold trigger for about 5 seconds
- 4- LED will go off and slowly blink

To turn the PDS back on after dry-firing:

- 1- Turn marker off
- 2- Turn marker on without depressing trigger