

You are now the owner of the most advanced control board in the paintball industry. By installing our Predator you now have the ability to control each and every aspect of your firing sequence. Not only can you tell your gun to ramp but you are now able to select when, where and what type of ramping you need for your particular event. We feel that total control is the only way to make sure your investment will get you through this season and every playing season in the future. With this purchase you now have the ability to get FREE upgrades on your code for life. This means that you will never have outdated code or be charged for a required update. This is only one of the ways we show our dedication to the most important player in the industry... you.

Revision: 05/06/05

1       Predator SFT Firing Modes: 1 = Semi (1 Shot per trigger pull.         2       Auto Response (Fires on Pull and Release of Trigger)         3       Full Auto (The gun will fire as long as the trigger is held back. ROF is controlled by the speed of the hopper)         2       20 bps         Rate of Fire: This is the GLOBAL rate of fire. This controls the MROF regardless if the eyes are on or off.         3       15 ms         ATB: Anti Trigger Bounce. A higher setting will keep the gun from firing extra shots with each trigger pull.         4       14 ms         BFD: Bolt Forward Duration. Length of time the bolt stays forward         5       5 ms         Fire Hold Off: Delay before the gun will fire aseing a bain ther cycling in ms.         6       1 ms         hopper it might be necessary to increase this to avoid chopping.         AFA Modes:         1 = No enhancements (default)         2 = Smooth Ramping (ATB drops stoldy)         3 = Fast Ramping (ATB drops stoldy)         4 = NSL (First 3 shots are semi, the 4th shot is full auto until the trigger is released. If the trigger is released for more than 1 second the cycle starts over again.)         5 = PSP/CFOA The first 3 shots are standard semi then on the 4" shot the gun will ramp to the maximum rate of fire you set in register 2 as long as the trigger is being pulled and released. If the trigger starts shot being hotter.         6 = Breakout with Fast Ramping (F	Register	Default	Description
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Programming advanced firing mode example on the Predator SFT board:	-		

Programming advanced firing mode example on the Predator SFT board: Player wishes his or her shocker to ramp to the loaders speed once they reach 6bps.

- Go into programming mode by turning your Shocker on while holding the trigger back
- 1. 2 2. LED will flash once to indicate you are in program mode and will stay dim
- 3. Pull trigger 7 times to enter the AFA register (7)
- LED will flash the current setting 4.
- 5. Pull the trigger 3 times to select mode 3 (fast ramping)
- LED will flash 2 times to indicate it took the new setting 6.
- Pull trigger 10 times to go to register 10 7
- LED will flash the current setting 8.
- 9. Pull the trigger 6 times to indicate you wish the ramping10. LED will flash 2 times to indicate it took the new setting. Pull the trigger 6 times to indicate you wish the ramping to start at 6bps
- 11. Turn the gun off and back on to use the new settings.

## Eye Operation:

The eye validates itself every shot. If it detects stuck-on or stuck-off faults it will put the gun into the rate of fire pre determined by register 2 and blink the light continuously to indicate trouble. This ensures that if the eye is damaged or inoperable during a game, the gun will continue to cycle. The board will continue to check for paint to see if it can reactivate the anti chop system.

On = Ball in breech Slow Flashing = No ball in breech Fast Flashing = Eye off

**UPDATE:** Dip Switch 1 is your eye sensitivity control when using break beam eyes. Down (off) is medium power for the emitter while Up (on) is full power for the reflective eye system.

To turn the eyes off during play simply tap the on/off button on the back of the frame and the light will quickly flash to indicate that the eye has been deactivated. You can also turn the eyes off by holding the trigger back for 2 seconds.

If your gun has been milled for a break beam style eye system you can connect our Predator Pro+ eye harness (purchased separately) into the 4 pin port on the board. Once you set register 13 to mode 2 your break beam eyes will be activated. More info on our break beam eye conversions can be found on our website.

# Programming: ALL boards are shipped with the PROGRAMMING LOCK turned on unless we forgot to do it. This is highly possible so make sure you check it.

To program the Predator the tourney lock must be off (DIP switch 2 on the board) then pull and hold the trigger, turn the power on and release the trigger. The gun will fire with the tournament lock on and off. However, while the tournament lock is activated you cannot move through the registers. We strongly suggest you turn the tournament lock on while playing.

The light will flash bright blue then turn to a "dim" blue. Now you are expected to select a register as listed above. Click the trigger an appropriate number of times, then wait, the light will flash what that current registers setting is. After this you are expected to enter a register.

DIM LED = Your shocker is in program mode

## Example for setting dwell:

- 1. Pull and hold the trigger then turn the gun on by using the button on the back of the gun.
- 2. Release trigger when the light flashes once then goes dim.
- 3. Pull trigger 4 times to go to register 4(dwell).
- 4. Led will flash the current setting.
- 5. You can now pull the trigger to insert the new dwell setting. 15 trigger pulls = 15ms dwell

When you are finished setting the registers turn the gun off and back on to use the new settings.

NOTE: If you select Register 1, you are expected to enter a fire mode, again in trigger clicks. After you have made a selection, the light will flash and *remain on*. The gun is now prepared to fire. We suggest you make the fire mode the last register you select as the board will rebot after it has been selected.

## Function and Operation:

Pushing and holding the button on the rear of your grip frame will activate the shocker. The gun will go into a sleep mode after 12 minutes of non-use. To wake the gun, simply pull the trigger or hit the power button.

#### LED Operation:

Slow Flashing = Empty Breech Constant = Ball In Breech Fast Flashing = Eyes Off Dim = Program mode

#### Warranty and Code Upgrades:

Your new board has a lifetime warranty providing you do not alter the surface of the board in any way. This means you cannot remove anything or flip anything or your warranty is dead and gone. We will replace or repair any boards that need service depending on the condition. For us to provide warranty service on your new board you will need to send in a copy of your original invoice along with the board and a description of the issues you are having. Without the invoice there is a \$35.00 service fee that must be paid before your board will be returned. For software updates you must send in your board along with a copy of your invoice. If you do not have the invoice there will be a \$35.00 charge for code upgrades. If you send in your entire gun then there is a \$35.00 service fee added for the disassembly and flashing of the board. All mentioned warranties are for the original owner only.