Reloaded Board for Shocker™

HIGHLIGHTS

- Developed for hard gamers. Sustained rate of fire in all situations!
- High Trigger scan priority for maximum sensitivity.
- Automatic filtering of trigger bounces. No need to consider it!
- Automatic dwell adjustment depending of fire rate to avoid drop off. Nothing to adjust!
- Just drop in and PLAY! No need for mechanical mods of the Shocker.
- Seamless setup through the XTEND board

FEATURES

- High Trigger poling rate
- Up to 27 bps while the eyes are enabled
- Automatic Drop Off Control (ADOC).
- Automatic Trigger Debounce (ATD).
- Power Aware Design (PAD) for maximum battery life.
- Exclusive Auto-Adaptive Loader Delay (A^{2}LD)
- Automatic Force Fire (AF^2) in case of obstructed barrel and empty breech while eyes are on.
- First Shot Boost (FSB) after inactivity
- Automatic eyes de-activation in case of loader problem
- All Adjustment parameters stored in non volatile memory.
- On board buzzer, vibrator and Tricolor led.
- Reloaded Xtend™ LCD extension port

RELOADED™ Board for Shocker™

This board is a French Connection Paintball product designed for TONTON.

The TONTON team has developed a new board for the popular Smart Part^{TM} SHOCKER^{TM} and NERVE^{TM}.

The **RELOADED^{TM}** board process data from the trigger and the eyes using a unique combination of hardware and software improvements. Its objective is to provide a repeatable and accurate rate of fire, whatever the situation in the field.

The **RELOADED^{TM}** is a flexible and state of the art electronic board that will ensure a sustained rate of fire while the player is under pressure, therefore allowing him to concentrate on the action instead of on his finger.

The **RELOADED^{TM}** board can be extended through its on board **RELOADED^{TM} XTEND** port.

The **RELOADED^{TM} XTEND** board is a remote control with an embedded LCD matrix.

The **RELOADED^{TM} XTEND** remote control offers a valuable advantage over other shocker boards. It allows you to seamlessly program your favorite modes with crystal clear messages displayed on the LCD matrix.

Table of contend

1   Overview of the Board

The drawing below shows the different buttons and peripheral of the **RELOADED**^{TM}.

In the future we will refer to the buttons using the capital letters given within brackets.

This drawing does not represent the upper stock board of the Shocker. The **On/Off button referred as (O)** is located on this second board. It lights in blue and can be found at the back of the grip frame when the stock board is in place.

Tricolour Status LED (SL)

Programming Button (P)

Buzzer (B)

Vibrator (V)

XTEND LCD extension port

2 How to install your board?
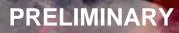
1. Unscrew the grips and lift up the left part.

2. Unplug the 10 wire connector from the back of the stock board. Unplug the 9v battery from the stock board, if any.

3. Remove the two metal pins that retain the trigger switch and board in the frame.

4. Pull back on the top half of the stock board so the trigger switch can clear the frame then extract the stock board out of the frame, finishing with the bottom half.

5. Do the exact same step in reverse order with the **RELOADED**™. Starting with the bottom half and trigger switch facing the trigger, gently insert the board in the retaining slot at the bottom of the grip frame.

6. Line up the trigger switch with the two pin holes then insert the two retaining pins back into the frame and through the trigger switch mounting holes.

7. Plug the 10 wire connector into the **RELOADED**™ board. Plug the 9v battery in the power socket. Then gently insert in the remaining space of the grip frame.

8. Put the grips back in place or proceed to programming steps…

3 Starting instructions

First install the reloaded in the frame grip of the gun and plug the ribbon cable in the Reloaded to connect the Dwell board to the Reloaded.
Only, connect a *good* 9v battery (PP3 type) to the battery socket of the **RELOADED^{TM}**. The reloaded board tolerates down to 5.6v.

Right after you plugged the battery, the board will perform a complete peripheral check.

The Tricolor LED will flash green, then red. The blue LED will flash and the buzzer emit a three tone beep. Finally the board vibrates once to complete the boot sequence. This means the battery is correctly connected and has enough power. From this point, the **RELOADED^{TM}** is asleep and ready to serve (Sleep mode). The Power Aware Design (PAD) of the **RELOADED^{TM}** ensures more than 2 months in this mode.

4 Turning the RELOADED^{TM} ON

To turn the **RELOADED^{TM}** board ON, just press and hold the power button (O) located on the back of the Frame Grip for more than two seconds.
The Blue LED on the back of the frame will flash rapidly and stop on solid. The board will vibrate once and play the welcome music.

You are now in **ON-STATE**. From this point you have three possibilities.

1. Quickly Press and Release the trigger (T) once to go to **GAME mode**.

2. Quickly Press and Release the orange button (P) once to go to **PROGRAMMING mode**.

3. Press and hold the ON/OFF button (O) for more than two seconds to switch the gun back off (Sleep mode)

5   Going to GAME mode

Entering **GAME mode** is signaled by a three tone beep. In this mode, your gun is ready to deliver an unlimited amount of ball per second (bps). Just pull the trigger!

The **RELOADED**^{TM} will automatically take care of the dwell regulation, Drop-off control (ADOC), recharge time, debounce, eyes activation and deactivation. This ensures no drop off during sustained sequences of fire. No need for you to manually handle the eyes. No need for fuzzy debounce considerations.

Just play, shoot and enjoy!

The board exhibits a default 27 bps!

The question is... Will you make it?

While in **GAME mode**, you can turn the gun OFF at any time by pressing and holding the power button (O) for more than two seconds. At this point, the Gun will vibrate twice, the "Good bye" music will sound and all LEDs will turn off.

In **GAME mode** the blue led located on the back of the grip frame, is blinking. How fast it blinks depends on Eyes options. See below for more in depth explanations.

5.1   EYES OPERATION

By default, the Eyes are systematically enabled when the marker is first turned on.

Due to its unique Auto Adaptive Loader Delay (AALD) feature the **RELOADED**^{TM} board will adjust its Eyes setting to the loader delivery rate.
If no ball is presented to the eyes after a short delay, the board will automatically deactivate the Eyes feature for a very short period of time. This is the Automatic Forced Fire (AF^2) feature.

This allows an incredible flexibility when in the middle of a strategic move. If a ball is blocked at the entrance of the barrel and the breech is empty while Eyes are on, the **RELOADED**^{TM} will automatically disconnected the eyes, for this single shot. You won't even notice it! **Just concentrate on the action! The RELOADED**^{TM} **is in charge!**

Note: In order to be able to "dry fire", the eyes system *does not need to be turned off*. Simply remove the loader, and the **RELOADED**^{TM} will adapt to the new situation.

If for some reason (you fool!), you want to turn the Eyes, and all associated actions, off or back on, just push and release the power button quickly. This will toggle the Eyes on or off.

When the Eyes system is active, the blue led at the back of the frame grip blinks rapidly. When it is disabled the blue led will change to a slow blinking sequence.

6   Going to PROGRAMMING Mode

Entering the **PROGRAMMING mode** is signaled by a "welcome" music. In this mode, you can adjust the parameters for your particular gun and game style.

The Programming Button is the only button on the **RELOADED**^{TM} board. To access it, open the left side of the grip, and look at the edge of the board. The button is right there, orange. You can't miss it!

Once, in this mode the board LED will light up GREEN. This means first parameter is selected.

Because the **RELOADED**^{TM} exhibits an incredible level of sophisticated auto adaptive functions, there are very few parameters to set...

... **It's a crystal clear 1, 2, 3 philosophy.**

There are actually six different parameters that can be adjusted. DWELL , Sensitivity, ADOC and ATD are set once for all. The **RELOADED**^{TM} will automatically modulate those settings to ensure an appropriate service of the gun.

In the same time, you just have to set the GAME type parameter to drastically change the behavior of the gun.

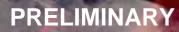Possible parameters are shown below and explained in the following sections:

1. Game type.

2. Dwell.

3. Sensitivity.

4. Alarm Timer Duration.

5. Automatic Drop-Off Control.

6. Automatic Trigger Debounce.

6.1 PARAMETERS DESCRIPTION

6.1.1 GAME TYPE

GAME TYPE is used to rapidly set the game style. It will automatically adjust all inside parameters of the **RELOADED**^{TM} board so you have nothing else to do!

GAME type parameter has 4 states:

1. Tournament.
2. Enhanced level 1
3. Enhanced level 2
4. Full auto.

Tournament type is the default setting. This mode is used for NPPL game type. In this mode, one trigger action will end up with one shoot. The rate of fire is the exact same rate as the player's finger. Even debounce timings are automatically adjust by the board to get a fully legal shoot behavior.

In this mode, the sensitivity parameter is ignored, but all other advanced features hereafter are available:

- Automatic Drop-Off Control (ADOC)
- Automatic Trigger Debounce (ATD)
- Auto-Adaptive Loader Delay (A^{2}LD)
- Automatic Force Fire (AF^2)
- Automatic Eyes De-activation (AEDA) in case of loader problem

Please see glossary for further explanation of funny acronyms!

WARNING: THE FOLLOWING MODES ARE NOT ALLOWED IN MANY TOURNAMENTS. THOSE MODES ARE HERE FOR FUN AND EXTREME SENSATIONS!

IT IS THE PLAYER'S RESPONSIBILITY TO SET THE APPROPRIATE MODE COMPLYING WITH THE KIND OF TOURNAMENT HE PARTICIPATS.

THE RELOADED^{TM} CAN NOT DO THIS FOR YOU!

Enhanced level 1 type is dedicated for player who wants to fire at a reasonable rate of fire without too much concentration on their finger action. The **RELOADED**^{TM} board will detect a burst of fire. It will therefore increase the rate of fire during those small periods of time. For ease of pain, the reloaded will actually maintain a high rate of fire until your finger slows under half the sensitivity. During slow bursts the **RELOADED**^{TM} is in tournament mode.

Enhanced level 2 is dedicated to aggressive player style or training game when players want to concentrate on strategy instead of finger action. This mode will maintain a high rate of fire as soon as the sensitivity has been reached even if the actual rate of the finger slows down to half the sensitivity. Erratic breaks in the sequence are also compensated like in Enhanced level 1. If you stop shooting, the burst mode is reset and you must reach the Sensitivity threshold again to benefit from the enhance mode. During slow sequences the **RELOADED**^{TM} is in tournament mode.

Full auto mode is dedicated to those sci-fi fans who ever wanted to posses a laser beam! In this mode, pulling and holding the trigger will fire the gun at its maximum rate of fire. The SENSITIVITY parameter is ignored in this mode.

In this mode, you better get a good loader to feed the unlimited appetite of the **RELOADED**^{TM}...
 ...and pray for your opponents!

6.1.2   DWELL

DWELL is used to set the opening time of the solenoid of the gun. You must set this parameter accordingly with your gun technology.
We have noticed many things that can influence this setting. First be sure that your Regulator is sufficiently and correctly greased. Second, depending on your Bolt weight, you will have to tune this value.
The **RELOADED**^{TM} board handles automatically all associated recharge time to properly service the gun. The range of settings is limited to truly usable and stable values.

No fooling around with fuzzy option tuning!

Explanation: Experiencing drop off or bolt not completely cycling are symptoms of poor adjustments. In this case you should turn the opening time up (the DWELL parameter). A dwell fewer than 7ms or above 12ms makes no sense, since efficiency would be very poor, and risk of ball breakage very high!
Some boards will allow this. We don't!

Dwell parameter can be adjust between 7ms and 12ms by steps of 0.5 ms.

6.1.3   SENSITIVITY

SENSITIVITY is used to indicate the **RELOADED**^{TM} the minimum number of balls per second, that can be considered a burst.

Sensitivity can be adjusted between 6bps and 14bps by steps of 1.

6.1.4   ALARM TIMER DURATION

Alarm Timer Duration is used to indicate that x times 30 seconds (approx.) have elapsed. X ranging from 0, for no alarm, to 14 for 7 minutes. The Alarm counter starts immediately when you enter the GAME mode. If you want, you can wait for the beginning of the game in ON-STATE mode and press the trigger (T) to enter the GAME mode in the very last seconds of the OFFICIAL count down. When the Alarm timer duration has elapsed the gun vibrates three times and automatically restarts its count down.

6.1.5 AUTOMATIC DROP-OFF CONTROL

Automatic Drop-Off Control (ADOC) is provided for fine tuning the gun.

Depending on Bold characteristics, dwell mechanics and whether your regulator in greased or not, the gun can experience some drop-off, especially on the first shot and after a period of inactivity. So, you can therefore indicate the gun what "bonus dwell" should be added to this particular ball. The value is tunable between 0 and 8, 0 meaning no ADOC and 1 to 8 meaning milliseconds increment by steps of 0.5ms. For example, setting to 8 would add 4 ms of Dwell opening. **Beware of to much ADOC. Since the more you open the DWELL the more risk you have to break a ball !!!**

6.1.6 AUTOMATIC TRIGGER DEBOUNCE

Automatic Trigger Debounce (ATD) is used to indicate the **RELOADED^{TM}** the minimum number of milliseconds it should wait before allowing the gun to accept another trigger event. This additional delay is added **only on the two or three first shots**. After that the delay is removed and the gun can cycle to its maximum rate of fire. This parameter can be set between 0, for no ATD, to 5 by steps of 10 ms. For example; setting to 3 will add 30ms of delay on the first 2 or 3 balls.

7   Switching the GUN OFF

Switching the gun off can be done while in **ON-STATE** or in **GAME mode**.

Turning it off from **PROG. mode** is not possible since you first must save your parameters. If you want to do so while in **PROG. mode**, first exit the **PROG mode** (see PROG mode section to learn more on how to do that) then switch off from the **GAME mode**.

To switch the gun off, just press and hold the **ON/OFF** button **(O)** for more than two seconds.

The gun will vibrates twice and the goodbye music will sound.

All LEDs are now off and the board is asleep. With a brand new battery, the **RELOADED**^{TM} board can hibernate for more than 2 months.

EXAMPLES

Setting the Game type to Enhanced L2

1. **Open the left side of the grip**

2. **Turn on the marker.**

3. **Push the Prog. Button once to enter Programming mode.**

4. **Push the prog button twice to set value of game type to Enhanced L2.**

5. **Press and hold the trigger for 2 seconds to save and exit AND enter the GAME mode**

Your Game type is programmed and ready to be tested

8 How to program the board?

The **RELOADED^{TM}** board sets a new standard in Gun programming behavior. Forget what you have been doing for years with other boards. You've entered the RELOADED^{TM} world.

Three things to know:

- Each action in acknowledged by a beep.

- The programming mode acts in a cycle manner. Pushing buttons will jump to next value. Each time you reach the maximum value; the RELOADED^{TM} adds one different beep and brings you back to the minimum value.

8.1 IN PROGRAMMING MODE

In **PROGRAMMING mode** you have four possible actions:

- The programming button is used to increment the value of parameters.

- The on/off button is used to change the active parameter.

- The trigger is used to **Save & Exit** the **PROGRAMMING mode**. If you press and hold it for more than 2 seconds

- The trigger is used to **read** the **current value**, if you quickly press and release it.

The board LED color will help you to figure out which parameter is selected.

Solid Green	➔	Game type
Solid Orange	➔	Dwell
Solid Red	➔	Sensitivity
Blinking Green	➔	Timers
Blinking Orange	➔	FSB
Blinking Red	➔	AMB

NOTE: FOR SAFETY REASONS, PROGRAMMING THE GUN SHOULD BE DONE WITHOUT ANY BALL IN THE FEEDER SINCE YOUR GOING DIRECTLY TO GAME MODE AFTER PROGRAMMING.

❶ First you need to select the parameter you want to set.

Push and release the on/off button to cycle through parameters.
Push and hold the on/off button to cycle faster and automatically through the parameters.

❷ You now need to change the value of the parameter.

Push and release the Programming button to cycle through values.
Push and hold the Programming button to cycle faster and automatically through the values.

Remember: Each time you reach the maximum value, you jump to the minimum value. This situation will be indicated by a second and different beep.
Each time the value is incremented, a beep is emitted making the tuning very easy.
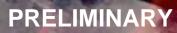
❸ If you don't remember the value of a parameter, just press & release de Trigger (T). The board will play one beep per increment of the parameter (10 beeps for a value of 10).

❹ Once you are all set and satisfied with your tunings, just press and hold the trigger for more than 2 seconds.

Your parameters are saved in the non volatile memory of the board so that you don't need to reprogram everything, next time you turn your gun on.

You are now ready to test the new settings...
...Enjoy!

Note : Pressing the trigger saves and exits <u>AND</u> gets you to the GAME mode with the parameters you just set. No need to turn the gun OFF and ON.

Programming Example 2:

Setting the Sensitivity to 10bps:

1. **Open the left side of the grip**

2. **Turn on the marker.**

3. **Push the Prog. Button once to enter Programming mode.**

4. **Push the On/Off button twice to select the SENSITIVITY parameter.**

5. **Starting from 11bps,for example, push the programming button five times to set value of SENSITIVITY to 10bps.you have cycled trough the all range and come back to the min value.**

6. **Push the trigger once to save and exit AND enter the GAME mode.**

Your Sensitivity is programmed.

8.2 SAFETY

The Saving of your parameters in the memory in aknowledge by the Blue LED blinking six times and a GAME mode welcome music. Release the trigger before the end of the music for maximum safety.

For safety reason there is a one second latency when you jump from PROG mode to GAME mode added to blue led blinking and music.

8.3 MEMORY CORRUPTION

WARNING : Unpowering the board during save sequence will corrupt your parameters.

If this happens, just go back to prog mode, and press and hold the prog button UNTILL you hear the two tone beep of the board indicating that you have cycled to a correct value.

Repeat this for each parameter, and save all your parameters by pressing and holding the trigger for more than 2 seconds.

During **PROGRAMMING mode**, powering the gun off is not allowed (nor advised) because of memory access. To turn your gun off, simply press the trigger to **Save & Exit**, then press and hold the on/off button as usual.

Factory default programming is:

- Game type = Tournament
- Dwell = 10ms
- Sensitivity = 10bps.
- Alarm Timer duration = 0
- ADOC = 1 (for 0.5 ms)
- ATD = 3 for 30 ms

EXAMPLES

Typical sequence example:

Power the gun
↓
Turn the gun ON
↓
Select GAME mode
by pushing the trigger
↓
PLAY!
↓
Turn the gun OFF

Examples of possible sequences in GAME mode:

You can do this:

❶→❷→...→❷→❷→...→❷→❺

or this...

❶→❸→❷→...→❷→❹→❷→❺

8.4 PROGRAMMING VISUAL HELP

Here are some visual helps for better comprehension.

8.4.1   POWERING THE GUN

Action	What happens?
❶ Plug the battery into the socket.	✓ The board vibrates once and emits a two tone beep. ✓ The gun is ON but asleep!

8.4.2   TURNING THE GUN ON.

First, power the gun. Then...

Action	What happens?
❶ Press & hold on/off for 2 sec.	✓ The gun vibrates once and plays the welcome music.

8.4.3   SELECTING GAME MODE.

First, power the gun and turn it ON. Then...

Action	What happens?
❶ Press and release the trigger.	✓ The gun plays a three tone beep. ✓ The gun is in GAME mode. ✓ The BLUE LED blinks rapidly.
❷ Pull the trigger to fire as many times as you want!	✓ The gun fires. ✓ Rate of fire depends on programmed parameters. ✓ Each time you fire the BLUE LED flashes.
❸ Press & release the On/Off button	✓ The EYES are OFF. ✓ The BLUE LED blinks slowly.
❹ Press & release the On/Off button	✓ The EYES are ON. ✓ The BLUE LED blinks rapidly.

8.4.4   TURNING THE GUN OFF.

This is not possible while in Prog. mode.

Action	What happens?
❶ Press & hold the On/Off button for more than 2 seconds	✓ The gun vibrates twice and plays the Goodbye music. ✓ The gun is <u>asleep and can remain so for months.</u>

8.4.5 GOING TO PROGRAMMING MODE

Action	What happens?
❶ Press and release the Programming button.	✓ The gun plays a Welcome Prog. music. The gun is in PROGRAMMING mode. ✓ The GREEN LED is ON, meaning "Game type" parameter is selected. ✓ After one second, the current value of the GAME type can be heard. • One beep for Tournament • Two beep for Enhanced L1 • Three beeps for Enhanced L2 • Four beeps for Full Auto
❷ Press and release the On/Off button or press & hold the On/Off button to cycle trough parameters.	✓ The gun beeps once for each action or beeps rapidly if you hold the button. The LED will cycle accordingly. SOLID GREEN→SOLID ORANGE→SOLID RED→ BLINKING GREEN→ BLINKING ORANGE→ BLINKING RED for each action. ✓ When you reach the parameter you want to set, stop your action. ✓ Press and release (T) to hear one beep per unity (see 4bis). ✓ If you reach the last parameter the gun plays a different beep once and jumps to the first parameter.
❸ Press and release the Programming button or press & hold the programming button.	✓ The gun beeps once for each action or beeps rapidly if you hold the button. The LED is ON and its color indicates the active parameter you are setting. ✓ If you reach the last value the gun vibrates once and jumps to the first value.
❹ Press & hold the trigger for 2 seconds	✓ The gun "Saves & Exits" the programming mode and Jumps to GAME mode where you can instantly test the new setup.
❹ bis Press & release the trigger	✓ The gun will "read" the current value of the parameter. It sounds once for each increment of the value.

Typical sequence example:

Power the gun
↓
Turn the gun ON
↓
Select PROG. mode
by pushing the Programming button
↓
Save & Exit
to GAME mode
↓
Test settings.
↓
Close the grip
and/or
Turn the gun OFF

Examples of possible sequences in GAME mode:

You can do this to set you gun to Full auto:

❶→❸→❸→❸→❹

You can do this to change Dell from 10ms to 12ms and Sensitivity from 14bps to 10bps:

❶→❷→❷→❸→❸→❷→❸→❸→❹

9 Funny acronyms glossary

Automatic Intelligent Trigger Debounce (AITD) – Each time you press the trigger, the switch is activated. The switch is made of metal plates that will bounce for a short period of time. At the Board level those bounces are considered as independent trigger actions. Therfore the board must be abble to filter those "false events". In the case of the **RELOADED**^{TM} board, the player has **NOTHING to set up** to handle this inherent property of a switch. The **RELOADED**^{TM} board knows exactly what to do with this intrinsec characteritic of the switch.

Trigger/Switch Debounce (TSD) – Each time you press the trigger, it pushes on the switch lever. The switch is made of metal plates and springs. Their is a possition where the main metal plate is in an unstable equilibrium. In this forced state, the spring and the trigger give very litle room to the plate, it has ALMOST nowhere to go, but touches nearly nothing. In this configuration, the plate will/can oscillate between ON and OFF, causing the gun to "Run Away". The **RELOADED**^{TM} board alows the player **to set up a parameter that avoids this behaviour**.

Automatic Drop Off Control (ADOC) – The dwell's solenoid is energized each time you fire. The ADOC feature controls and adapts the duration of the excitation depending on the situation. The more the dwell is open the faster you shoot. The **RELOADED**^{TM} board will automatically adjust all associated parameters to properly service the gun.
Experiencing drop off, bolt not completely cycling or ball breakage are symptoms of poor adjustments. The solenoid service is a question of compromise between dwell opening duration and recharge time. The **RELOADED**^{TM} will take care of that automatically.

Reloaded Board For Shocker™

Auto Adaptive Loader Delay (A^{2}LD) – After each shot, the gun must make sure a slight delay is added to the cycle to ensure you won't chop the next ball. Thanks to its unique A^{2}LD technology, the **RELOADED^{TM} sets the appropriate delay for each ball**, **without any user action!**

First Shot Boost (FSB) – Due to electrical and pneumatic leakages of the solenoid, when the marker has been left sitting for a long period (approx. more than 30 seconds), the first shot suffers of drop off. To avoid this, The FSB feature will add an additional dwell boost to the first shot after such a long inactivity.

WARNING: After 30 seconds of inactivity, the first ball velocity will be slightly higher (approx. 15 to 30 fps higher). Don't forget to fire at least once before a chrony check!

Recharge time – This is the amount of time needed to recharge the gun after a shoot.
This includes: waiting for a ball to be present, let the air flow to the regulator, debounce the trigger, wait for the bolt to be pulled backward, etc...
Some of those delays take place at the same time, some are unavoidable.
The **RELOADED^{TM}** board **automatically adjusts the different delays** to service the gun at his optimum performance, **what ever the circumstances**.

Auto Force Fire (AF^2) – This feature will force the fire in the event a ball has been pushed slightly into the detents where the Eyes are unable to detect it. In this situation the **RELOADED^{TM}** will automatically handles the situation and corrects the problem so you can continue firing normally. **You won't even notice the problem as occurred.**

Automatic Eyes De-activation (AEDA) – In case of repetitive loading problem the **RELOADED^{TM}** will instantly activate its AEDA feature. This allows jumping from an HALO feeding rate to a "dry shoot" mode, in a snap, without any user action.

It is very important that
you read the next two pages carefully.

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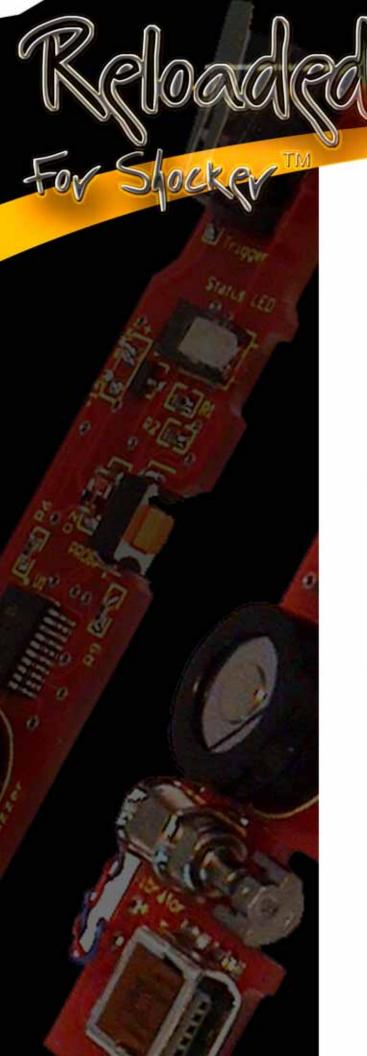
Official Language

French is the Official Language of the TONTON Paintball and will prevail in all questions of interpretation.

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For Shocker™

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