



SF-25 & SF-30 Pro Operating Manual



Smart Firearms Training Devices

602-300-4645

www.smartfirearms.us

WARNING: Devices are weighted for realistic handling. Striking a person with this device can result in serious injury or death.

WARNING: Device does not replace professional firearms instruction. WARNING: Both device itself and magazine contain inaccessible LEAD weights. If device/magazine is damaged do not handle lead and contact Smart Firearms Training Devices.

Purpose of Smart Firearms

Proper training is crucial. Smart Firearms Training Devices has created a revolutionary high tech training gun designed for instructors. Our device provides immediate feedback on proper/improper use of force, trigger manipulation, and targeting. Smart Firearms are designed to stop accidental and negligent discharges and to provide the perfect training gun for your reality-based training program, defense tactics, and firearm instruction.

Functions of Smart Firearms

Smart Firearms Training Device is equipped with a patented Accidental Discharge Sensor. If a finger is placed in the Accidental Discharge Zone (inside the trigger guard) but no shot is fired, an alarm will sound and an orange LED light will flash for 9 seconds alerting the instructor as well as reinforcing to the student the need to index their finger when not firing. It features a resetting trigger, removable magazine and adjustable night sights. When the trigger is pulled, a gunshot sound will be emitted from an internal speaker, and a green LED light will flash on both sides of the gun for 9 seconds, alerting the instructor when a student has fired.

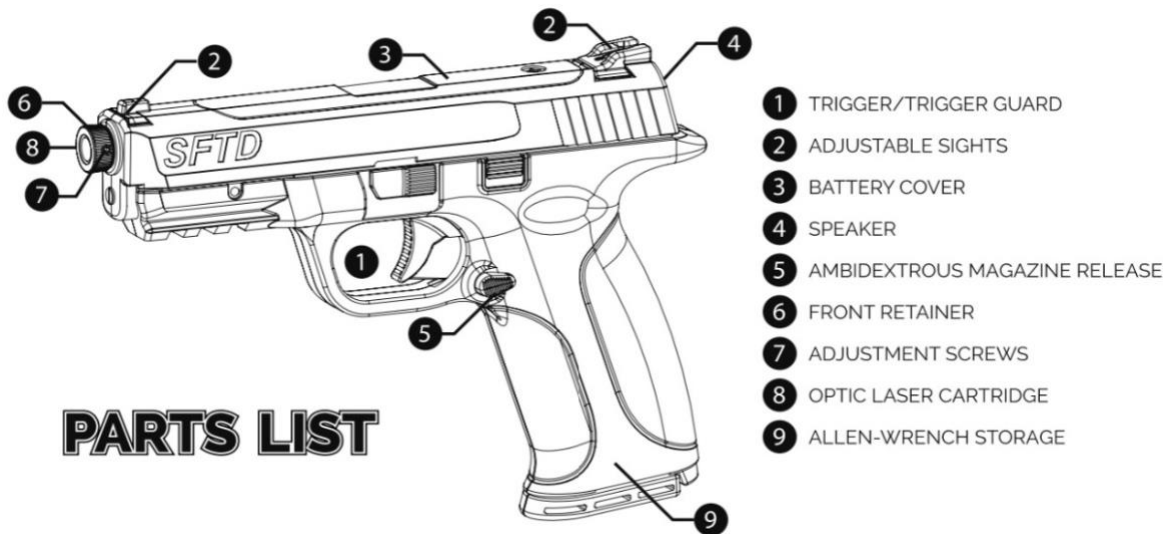


Figure 1: Diagram of Smart Firearm Training Gun

Modes:

The Smart Firearms Training Gun Has two modes of operation. To switch between modes, refer below to the “**Set Up**” Section.

Shot Only Mode:

In Shot Only mode, the gun will make a shot sound when the trigger is pulled. If the optional laser is installed, a laser will emit a pulse for each trigger pull.

Sensor Mode:

In Sensor mode, the gun will make a shot noise and a laser will emit a laser pulse (if installed). The Accidental Discharge Sensor will be active so that when a finger is inserted into the Accidental Discharge Sensor Zone but no shot is fired, then an alarm will sound alerting the student and the instructor. An orange LED light on each side of the device will flash for 9 seconds also to easily distinguish which student set off the sensor.

The Smart Firearms Training Gun comes shipped in Shot Only Mode.

Set Up

Sensor Mode

- 1) Pull trigger and hold for approximately 9 seconds, an audible tone will sound. (see **Figure 2**)
- 2) Immediately remove finger from guard and place Smart Firearm vertically against wall and ensure nothing is in the trigger guard. (see **Figure 3**)
- 3) Wait approximately 25-30 seconds. During this time the gun will make occasional tones while calibrating. Once calibrated the gun will emit two quick tones sound in a row and the green LED's will flash. The Smart Firearm is now ready to be used.



Figure 2: Pulling trigger



Figure 3: Leaning gun up

Shot Only Mode

- 1) Repeat step 1 from “**Sensor Mode**”. Two tones will sound indicating you are now in Shot Only mode.

Advanced Options

To Configure Advanced options, The Smart Firearm Training Gun must be in Shot Only Mode. Once Advanced Options are configured the gun can be placed back into Sensor Mode while using the Advanced Options.

Turn Off Gunshot Sound

- 1) Hold down trigger for approximately 9 seconds, until 1 audible tone is heard
- 2) Release the Trigger
- 3) Perform 3 slow long trigger pulls
- 4) Wait approximately 45 seconds until all audible tones end
- 5) The gun shot sound will now be turned off and the Smart Firearms Training gun will be in Shot Only Mode

Turn On Gunshot Sound

- 1) Repeat steps 1-5 from "**Turn Off Gunshot Sound**"

Turn Off the Trigger Sensor Sound

- 1) Hold down trigger for approximately 9 seconds, until 1 audible tone is heard
- 2) Release the Trigger
- 3) Perform 7 slow long trigger pulls
- 4) Wait approximately 45 seconds until all audible tones end
- 5) The Trigger Sensor sound will now be turned off and the Smart Firearms Training gun will be in Shot Only Mode

Turn Off the Trigger Sensor Sound

- 1) Repeat steps 1-5 from "**Turn Off the Trigger Sensor Sound**"

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

Turning On Optional Laser

- 1) Hold down trigger for approximately 9 seconds, until 1 audible tone is heard
- 2) Release the Trigger
- 3) Perform 5 slow long trigger pulls
- 4) Wait approximately 45 seconds until all audible tones end
- 5) The Optional laser will now be on and the Smart Firearms Training gun will be in Shot Only Mode
- 6) *Do not to modify the unit or remove protective covers or housings*
- 7) *Laser is never to be operated if the unit is defective or the cover or seal is damaged, etc..*

This Laser Product is designated as Class 1 during all procedures of operation." Laser Parameters:

Wavelength Training guns use either 650nm or 780nm laser, which are model dependent

Laser

Wavelength: 780nm

Pulse length: 25mSec

Pulse energy: 19uJ

Beam Diameter: 1mm
Beam Divergence: 1mm
Laser Class: 1, IEC 60825-1 2014
All specifications nominal



No scheduled maintenance or service is necessary to keep the product in compliance.

If a problem arises the unit is to be serviced or repaired only by factory authorized technicians.



Laser Warning label

SPECIAL NOTE – ALL ADVANCED FEATURES CAN BE CANCELLED BY REMOVING THE BATTERIES.

Changing batteries of Smart Firearm

- 1) Remove the screw from the top cover (shown in **Figure 4**)
- 2) Take off the top cover (shown in **Figure 5**)
- 3) Remove the batteries
- 4) Place new CR123 batteries into the battery holder
- 5) Replace the top cover
- 6) Replace screw
- 7) Once the batteries are changed, the Settings are reset to SHOT ONLY MODE



Figure 4: Unscrew top screw



Figure 5: Remove top cover

Aligning the Laser

- 1) Assume your normal firing position and aim at a target
- 2) Loosen the screw in the direction that you want your shot to go
- 3) Tighten the screw on the opposite side
- 4) Repeat steps 1-3 until the laser is aligned with your sights for both up/down and right/left alignment

Changing Batteries of Laser

- 1) Unscrew the retainer (together with the Laser Cartridge) from the Smart Firearm Training Device. Do not open the cartridge windage or elevation screws. The laser cartridge can stay in the front retainer to keep the settings.
- 2) Remove the cap on the cartridge and insert the battery flat side +, facing up.
- 3) Take the optic cap and thread it onto the laser body. Verify the threading is fully closed and that there is no gap. Close snugly, do not over tighten.
- 4) Install the retainer with Laser cartridge in the Smart Firearm Training Device. Thread the retainer all the way down, then move it back slightly until the Allen screws will be facing up / down left / right.

Warranty

All Smart Firearms Training Devices come with a standard 90 day warranty, which can be extended for up to two years from purchase. If you require warranty service, please contact us at support@smartfirearms.us. You can also check out our website FAQ for common questions. www.smartfirearms.us

Questions, Concerns, Suggestions?

Call us at: 602-300-4645

Email us at: sales@smartfirearms.us

Firearm Accidents? Not on OUR Watch! Thank you for your Service!



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