



SF-25 & SF-30 Pro Operating Manual



Smart Firearms Training Devices

1-833-602-SFTD (7383)

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.

WARNING: All of our training guns are sold in orange, or have an orange tip. It is illegal to remove the orange coloring. Removing any of the orange will void your warranty.

Purpose of Smart Firearms

Proper training is crucial to law enforcement and self-defense. Smart Firearms Training Devices (SFTD) has created a revolutionary 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 provide the perfect training gun for your reality-based training program, defense tactics, and firearm instruction.

The essential tasks of marksmanship are to aim the barrel at the intended target and activate the trigger without disturbing barrel alignment. While this concept is simple, it is difficult to teach new shooters to perform these tasks while subjected to noise, blast, recoil and situational stress.

SFTD provides the perfect tool for safe dry practice. Muzzle awareness can be demonstrated in realistic environments without risk. The sound alerts let both shooter and instructor know when the trigger is touched or activated. Draw, presentation, sight alignment and trigger pull, even tactical reloads can be practiced to perfection.

The fundamentals of marksmanship can be safely trained in any environment. Smooth trigger manipulation can be practiced anywhere without the distractions of live fire. When shooters hit the range, they will have good safety habits and developed neural pathways for manipulation in dry training.

When used with the optional laser or a training device such as the MantisX, the shooter is given direct feedback allowing coaching or self-analysis. Freed from the range and the cost of ammunition, shooters have unlimited opportunities for adult learning and practice to perfection.

Negligent discharges kill and injure people. They damage property and destroy careers. They cost millions of dollars in legal settlements. The best way to prevent negligent discharges is to train shooters to keep their finger of the trigger off the trigger and outside the trigger guard until on target. There are many reasons that a shooter may place a finger in the trigger guard without conscious thought. The SFTD notifies the shooter when this happens and brings this action into their awareness.

Functions of Smart Firearms

Smart Firearms Training Device is equipped with our patented Unintentional Discharge Alert Sensor. If a finger is placed in the Unintentional Discharge Zone (inside the trigger guard) but no shot is fired, the device will alert the instructor and an orange LED light will flash for 9 seconds reinforcing to the student the need to index their finger when not firing.

It features a resetting trigger, tactical rail, removable magazine and simulated 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.

SPECIAL NOTE – A low cost non-electronic SFTD version is available for applications which do not require sound or lights, yet retains the use of a functional, resetting trigger.

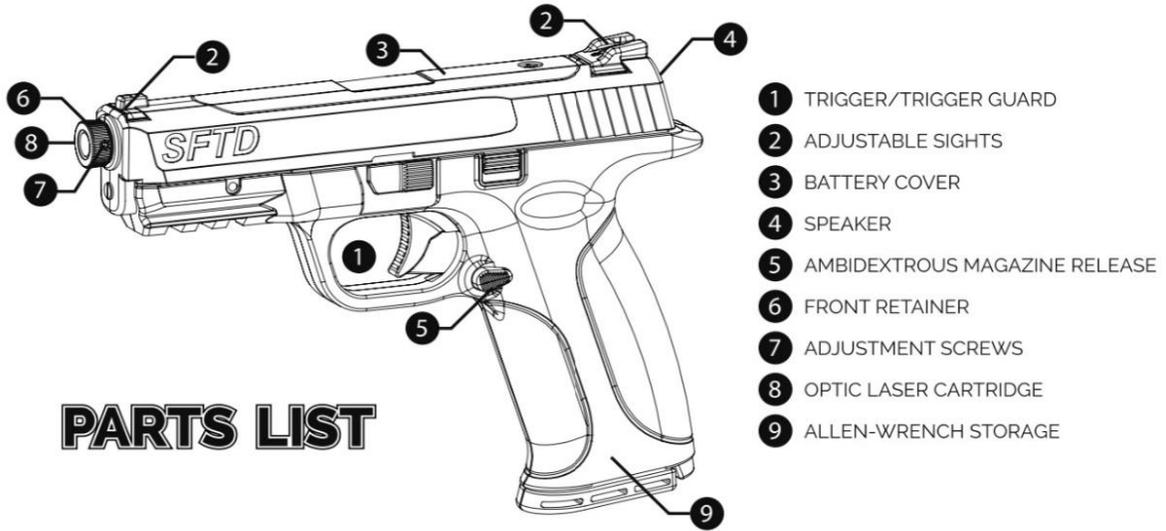


Figure 1: Diagram of Smart Firearm Training Gun

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. Newer versions of our device software have the Unintentional Discharge Alert LED lights active still so instructors can monitor the trigger guard area without an audible alarm.

Sensor Mode:

In Sensor mode, the gun will make a shot noise and a laser will emit a laser pulse (if laser is installed). The Unintentional Discharge Alert Sensor will be active so that when a finger is inserted into the trigger guard but no shot is fired, 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 is 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 in Sensor Mode.



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 and hold the trigger until you hear an audible tone
- 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**"

SPECIAL NOTE – ALL ADVANCED FEATURES CAN BE CANCELLED BY REMOVING THE BATTERIES. THE SFTD CAN BE RETURNED TO SHOT ONLY MODE AT ANY TIME BY REMOVING THE BATTERIES AND RE-INSTALLING THEM.

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!



 ***Smart Firearms***
AMERICA'S FINEST TRAINING GUN

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