

# New Gun Safety Technology Prevents Unauthorized Use

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**W**hen soldiers need their weapons, there is no time to waste. A loaded weapon can fall into the hands of the enemy with deadly consequences. Gun Guardian, LLC has patented a reliable add-on firearm safety device that allows all weapons to remain secure with a round in the chamber.

Superimposed Hybrid Intelligent Electromechanical Locking Device, or S.H.I.E.L.D., features a patent pending electromechanical, biometric locking system that restricts access to the trigger with a sliding sheath. The sheath will only uncover the trigger when the user inputs the correct biometric signature or the security code. The sheath is manually slid back into the locked position. In the event of total electrical failure, S.H.I.E.L.D. can unlock via a combination/code style lock. This ensures that S.H.I.E.L.D. is 100 percent reliable, even if submerged in water.

Initially designed for the consumer market, the new system's design can enhance military base safety inside and outside the United States and reduce the possibility of an insurgent using a weapon against U.S. soldiers. The system replaces the factory grip of the assault rifle, reusing the factory grip screw. Installation is simple and takes just a few minutes using a common sized hex key or Allen wrench. S.H.I.E.L.D. transforms your current assault rifle into an extremely reliable "smart gun."



Side view of S.H.I.E.L.D. in locked position showing fingerprint reader (Photo courtesy of Gun Guardian LLC/Released)

In 1994, more than a quarter-million households experienced the theft of one or more firearms, resulting in nearly 600,000 stolen guns. [1] In an early survey of incarcerated felons, 32 percent reported that they had acquired their most recent handgun by theft. [1] With S.H.I.E.L.D., in the event of theft, the unauthorized user is unable to access the trigger. This ensures that the unauthorized user cannot immediately fire the weapon. This locking device also comes with an optional GPS

tracking feature that, coupled with denied access to the trigger, allows time for the weapon to be located.

The tracker has two activation options. First, the tracker will only transmit a signal while in the locked position, which eliminates tracking of soldiers or law enforcement officers while on patrol. Second, the tracker gives off a continuous signal that allows location of the firearm at any time. Insurgents who may think they have struck gold by stealing weapons will find they not only can't use the weapons, but the GPS signal has led the military right to their hideout.

S.H.I.E.L.D. does not interfere with any function of the firearm when in the unlocked/"ready-to-fire" position. The user cannot uninstall S.H.I.E.L.D. when locked, and the selector switch cannot move from the "safe" position. Once unlocked, the sheath will uncover the trigger and, with



S.H.I.E.L.D. technology applied to assault rifle (Photo courtesy of Gun Guardian LLC/Released)

the assault rifle, allow the grip to rotate into its “normal” position. This allows the manipulation of the selector switch and the ability to fire the weapon. In the event of a split-second need to fire, the assault rifle can function normally as soon as S.H.I.E.L.D. is unlocked, without the need to rotate the grip to its “normal” position.

Gun Guardian, LLC is a firearm safety development company founded by two Florida State Law Enforcement Officers. Practicality, convenience, effectiveness and reliability were the main focus areas during

design and development of S.H.I.E.L.D. It is the only firearm safety device that is keyless, allows the weapon to remain loaded and still attached to the firearm when unlocked.

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**References:**

1. Section I: Gun Violence in the United States. (n.d.). Retrieved from [http://www.ojjdp.gov/pubs/gun\\_violence/sect01.html](http://www.ojjdp.gov/pubs/gun_violence/sect01.html) (accessed June 14, 2016).

For more information on Gun Guardian LLC and S.H.I.E.L.D.:  
Website: <http://www.gunguardian.us/>

Facebook: <https://www.facebook.com/GunGuardianLLC/?-fref=ts>

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