



San Diego County Sheriff

Training Bulletin

William D. Gore, Sheriff

April 2017



X2 Taser Firmware Updates

The X2 Taser internal software provides functionality for all aspects of the Conducted Energy Device (CED). Taser International regularly releases firmware updates to improve the functioning and reliability of the X2 Taser. Deputies assigned an X2 Taser should ensure their Taser has the latest firmware each time an update is released. For direction on how to download firmware updates, visit the Weapons Training Unit webpage <https://ssp.sdsheriff.com/HRB/Training/WTU/Pages/default.aspx>

X2 Taser Trigger

The X2 Taser is a semi-automatic CED. Unlike a firearm trigger, the X2 Taser trigger switch is a momentary electrical switch. The trigger is operational only when the safety is in the up (ARMED) position. Pulling and releasing the trigger switch will deploy the first selected cartridge and result in an approximately 5-second discharge cycle unless the safety is shifted to the down (SAFE) position to discontinue the 5-second cycle. Pulling and holding the trigger switch for more than 5 seconds will result in a continuous discharge until the trigger switch is released or the battery is depleted—whichever happens first.

The Taser trigger does not have a traditional trigger reset like a firearm. The Taser trigger is very sensitive and once a cartridge is deployed, the slightest movement of the trigger can cause the second Taser cartridge to unintentionally deploy. As you can see in the pictures below, an extremely small amount of movement is necessary to reset the Taser trigger. In a stressful situation like a use of force, a slight flinch or adjusting your grip on the Taser may cause an unintentional second cartridge deployment.

The information in this Training Bulletin was provided by Deputy Aaron Hoxie from Weapons Training Unit and edited for distribution by the In-Service Training Unit. If you have expertise in a particular subject and would like to write a training bulletin, please contact Corporal Daniel Gutierrez at In-Service Training, [REDACTED]



Trigger pull necessary to deploy cartridge

Trigger is reset

The pictures look the same, but the trigger on the right is extended slightly further than the trigger on the left. Any additional pressure on the right trigger would cause a second cartridge to deploy.

Taser Exposed to Water

A Taser that is exposed to a significant amount of moisture or submerged in water may unexpectedly deploy the cartridges. The good news is your Taser holster will stop the probes and it is very unlikely you will be shocked or affected by the unexpected deployment. It is extremely rare for rain to cause an unexpected cartridge deployment, but it is possible. If your Taser has been submerged in water or exposed to a significant amount of water for an extended time, remove it from service and contact the Weapons Training Unit.

The information in this Training Bulletin was provided by Deputy Aaron Hoxie from Weapons Training Unit and edited for distribution by the In-Service Training Unit. If you have expertise in a particular subject and would like to write a training bulletin, please contact Corporal Daniel Gutierrez at In-Service Training, [REDACTED]