

## THE SAFE GUN

Technology has advanced to the point where it is now possible to produce a *Safe Gun*: a gun that looks and works like any other gun, except that it won't fire when it could cause harm to innocent people. Here are some examples of what the Safe Gun can do:

The Safe Gun fires only when in the hands of the gun owner, or a person authorized by the gun owner, and no one else. The gun will not fire when used by an unauthorized member of a household (a child, for instance) or a thief.

The Safe Gun fires only if the user is competent to shoot the firearm. The gun will not fire if the user is under the influence of liquor, drugs or some other mind-altering stimulus (such as anger or rage), or is psychologically disturbed in some way.

The Safe Gun will not fire when in a public area, such as a school, a place of worship, a transportation hub or an entertainment venue. The locations and perimeters of these "safe areas" are automatically kept up-to-date as they change over time.

The Safe Gun will not fire when aimed at the gun owner, the gun owner's family member or a gun owner's friend. The gun owner can select the persons who are protected from such gunfire.

The Safe Gun can monitor its own use, and can transmit user identification, time stamps of shots fired, and other desired data to a remote computer or smartphone.

The Safe Gun will not fire if any of its safety features have been tampered with or circumvented in any way, and can transmit an alert to the gun owner and/or authorities if such tampering is attempted.

When provided with an optional video camera on the muzzle, the Safe Gun can stream live video of what the gun is aimed at. This video can be displayed on a smartphone, and/or a remote computer station, and analyzed digitally using facial recognition and other image processing techniques.

When provided with the optional camera, the Safe Gun, especially a handgun, can be used to "peer around corners" without exposing oneself to hostile fire, thereby enabling the user to see a potential target on a smartphone and/or remote computer.

To achieve all of these features, and more, the Safe Gun is paired with a smartphone which is, in essence, an Internet-connected computer. The smartphone and the firearm work together as a unit to control the trigger, and to transmit live firing data and, if the gun is provided with the optional camera, to stream live video, to the remote computer and/or to other hand-held devices, enabling others (e.g., police officers) to see what the gun-user sees.

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