Serious Simulations

PATENTED

M111 Sim Grenade™

M111 Offensive Hand Grenade

Product Overview



M111 SIM GRENADE™



Real M111 Offensive Hand Grenade

The M111 SIM GRENADE™ is an intelligent training device that replicates the look, feel, and handling of the M111 Offensive Hand Grenade. Warfighters can rehearse close-quarters employment with correct proximity-based battle damage feedback with no explosive hazard. Our electronic, non-pyrotechnic design is based on the U.S. Army's new class of Live Force-on-Force training grenades being fielded now by Serious Simulations at the Combat Training Centers.

Features

The M111 Sim Grenade™:

- **Realistic casualty effects:** mimics the M111 Offensive Hand Grenade (OHG) by producing proximity-based battlefield casualties in training architectures (MILES, STE, other).
- **Differential battle damage feedback:** Reports the real M111 effects of blast overpressure indoors, but diminished effects outdoors.
- **Real interface:** fitted with a real pull pin, safety clip, and confidence clip, and has a realistic, randomized fuse delay of 4.0 to 5.5 seconds.
- **Universal Receiver Unit (URU) required:** processes the signals from the M111 Sim Grenade™ and communicates battle effects to the training architecture and individual feedback harnesses. The URU is the same URU currently being fielded at U.S. Army Combat Training Centers.



Universal Receiver Unit (URU)

Indoor and Outdoor Battle Effects

Indoor	Outdoor
When coupled with the room transmitter, the M111 Sim Grenade™ senses indoor employments and renders enhanced indoor battle effects to participants in single or multiple rooms.	When the room transmitter is not communicating with the grenade (i.e. outdoors), the M111 Sim Grenade™ renders reduced battle damage (2 meter kill radius).

Universal Receiver Unit (URU)

The URU is required to process the signals from the M111 Sim Grenade™ and communicate battle damage effects to the training architecture and individual feedback harnesses. It is the same URU currently being fielded at CTCs, and it can be mounted on the helmet, MILES harness or soldier gear.	 *Helmet-mounted Universal Receiver Unit*

Room Transmitter

The room transmitter is self-contained instrumentation (no physical infrastructure needed) that enables the M111 Sim Grenade™ to sense indoor employment. Housed in a “saddle bag” for easy installations in windowsills or other areas, the system also enables shoot-through-wall capability by receiving MILES direct fire codes from external MILES weapons and implementing damage to indoor participants.

 *“Saddle Bag”*	 *Detonator Box*	 *IR Sensor*

Room Transmitter Kit

“Saddle bag” including Detonator Box and IR Sensor

For more information, visit our website at www.serioussimulations.com .

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