

# DART MAX

DART MAX™ simulated firearms training provides a realistic, flexible, and cost-effective approach to developing, improving, and maintaining firearm proficiency and decision making skills.

## **The need for innovation in simulation training.**

For decades, simulation training has proven to be an effective, cost-efficient way to improve firearm proficiency and critical decision making skills. It is also highly regarded as a way to experience and learn from life-threatening situations in a safe environment.

Yet, simulation systems themselves have changed very little since they were first introduced. For the past forty years, simulators have remained large, expensive, and based on outdated video technology. This lack of innovation has kept simulation training out of the hands of a majority of those who could benefit from it.

## **Introducing the future of firearms training.**

DART MAX brings advanced simulation training to law enforcement and military personnel by offering features you would expect from more expensive systems; including multiple lanes, shooters, and weapons - but at a price that is surprisingly lower.

But DART MAX goes much further than affordability by introducing capabilities not found anywhere else. We invite you to compare the technology behind MAX, the number of training options available, its advanced courseware authoring, and realism with any other simulator at any price.

## **Accessible training is the key to frequency.**

Firearms and related skills can only be developed through frequent and effective training, but that can't occur if a simulation system is too large, too expensive, or too complex to use. DART MAX eliminates these barriers to frequent use that are inherent in traditional simulation training.

**Portable.** DART MAX requires very little space, so it can transform virtually any room into a training center and move easily between locations.

**Affordable.** The main deterrent to simulation training has always been the cost of ownership, so DART MAX is reasonably priced and budget-friendly.

**Easy.** In the past, simulators were well known for being difficult to learn and use. DART MAX is intuitively designed so setup and use are easy.

**Versatile.** Legacy simulators based on older video technology did not lend themselves to repeat training. DART MAX incorporates more training options so that lessons are always fresh. In addition, MAX's powerful, courseware authoring allows you to tailor training content to the specific needs of your team. This encourages frequent training and leads to better-prepared individuals.



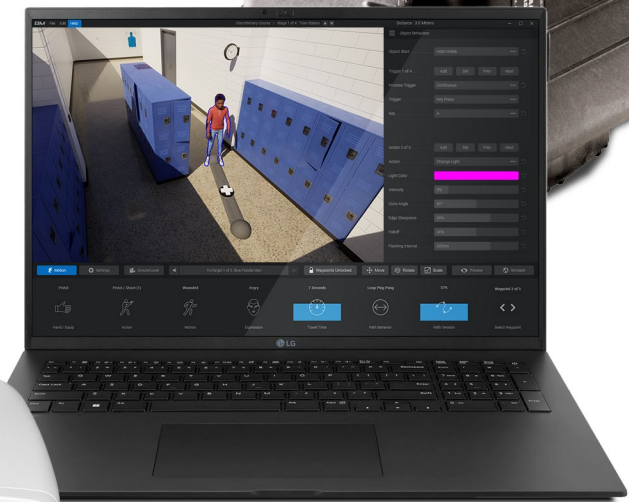
*DART MAX offers the most realistic visuals ever created for a firearms training simulator.*

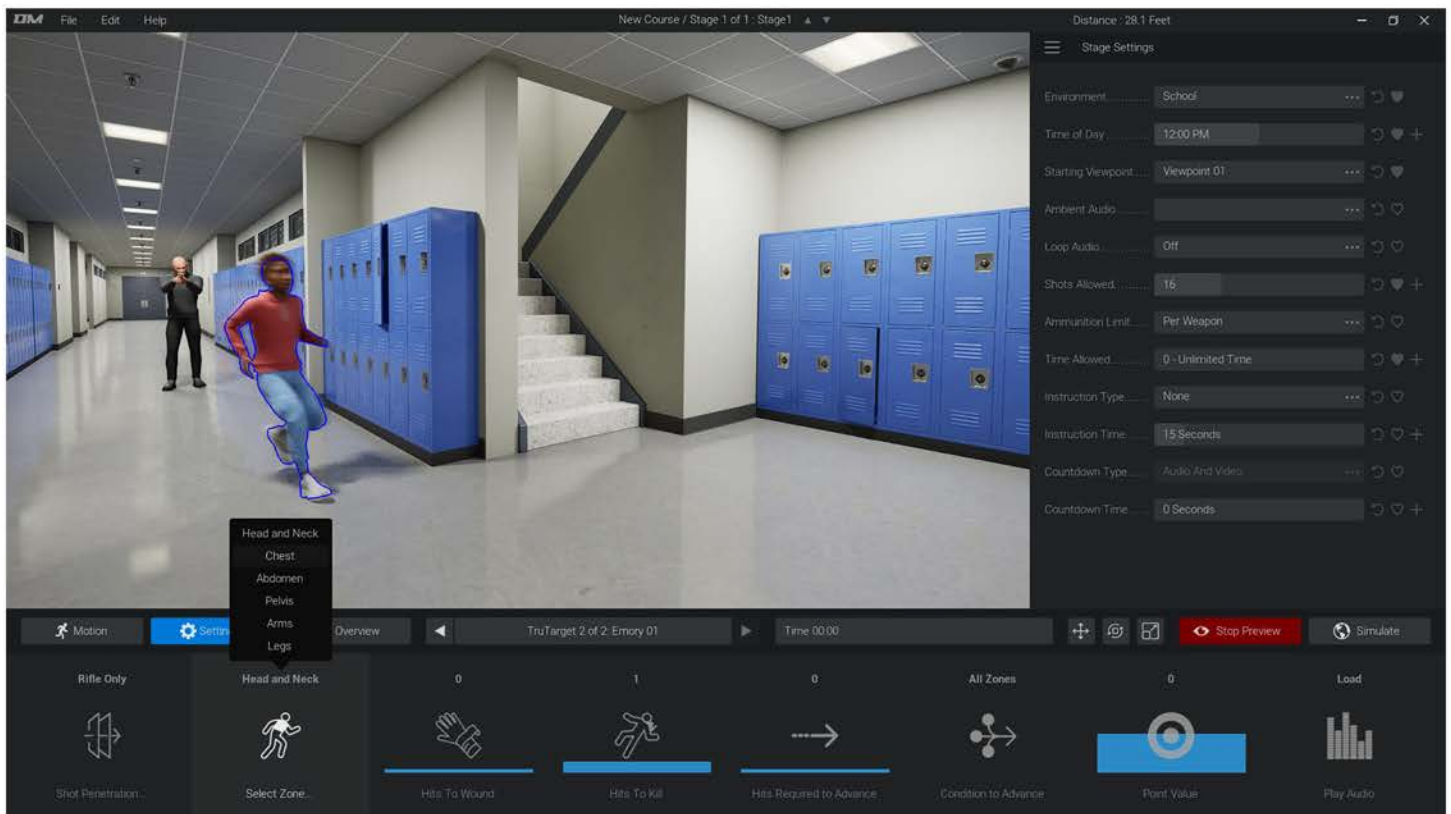
## **Portable, Affordable, and Easy to Use**

DART MAX comes packaged in a single 24x16x10 inch case, which is exceptionally easy to transport and stow. The simulator can be set up virtually anywhere, which increases accessibility. As training accessibility increases, so does usage.

A complete DART MAX system costs a fraction of legacy simulators and software updates are always free. And since the availability and cost of ammunition are no longer limiting factors, your officers can practice more often. Training frequency increases while training costs decrease.

Of course, all of this doesn't mean a thing if the system is too difficult to learn and use, which is why we made DART MAX simple enough for a single individual to use - without the need for a dedicated system admin.





Every human character in a course or scenario can be assigned it's own behaviors and mortality parameters.

## What a Simulator is Supposed To Do

An important part of a training simulator's job is to simulate real-life situations and environments as accurately as possible. Realistic and immersive visuals capture the attention of trainees and keeps them engaged, which is essential for maintaining focus throughout training. Not only does this lead to better retention and skill development, but a high degree of realism can also evoke an emotional response. This type of engagement helps trainees learn how to manage stress, make decisions under pressure, and handle their emotions effectively.

These are just some of the reasons that we focused on making DART MAX the most realistic training simulator ever developed. More realistic than VR. More realistic than video.

That's because realism in DART MAX extends past visual fidelity to include behaviors, actions, and reactions. Consider a scenario in which an armed suspect begins firing at you. In a typical video-based system, if you shoot the suspect (anywhere) they'll die. But is that realistic?

In DART MAX, human characters can react and respond in a number of ways. A single hit might stop the suspect - or maybe it won't.

A shot to the leg may cause the suspect to attempt to retreat, slow down, or give up. A single shot to the pelvis can be set to bring a subject down, where a hit to the chest may not. These rules can be purposely set or randomly assigned so that trainees cannot predict how a situation will unfold - even after running the same course multiple times.

The result is a simulation that is much more realistic and comparable to what a trainee may actually experience.

And isn't that what a simulator is supposed to do?





DART MAX is the most realistic virtual firing range available.

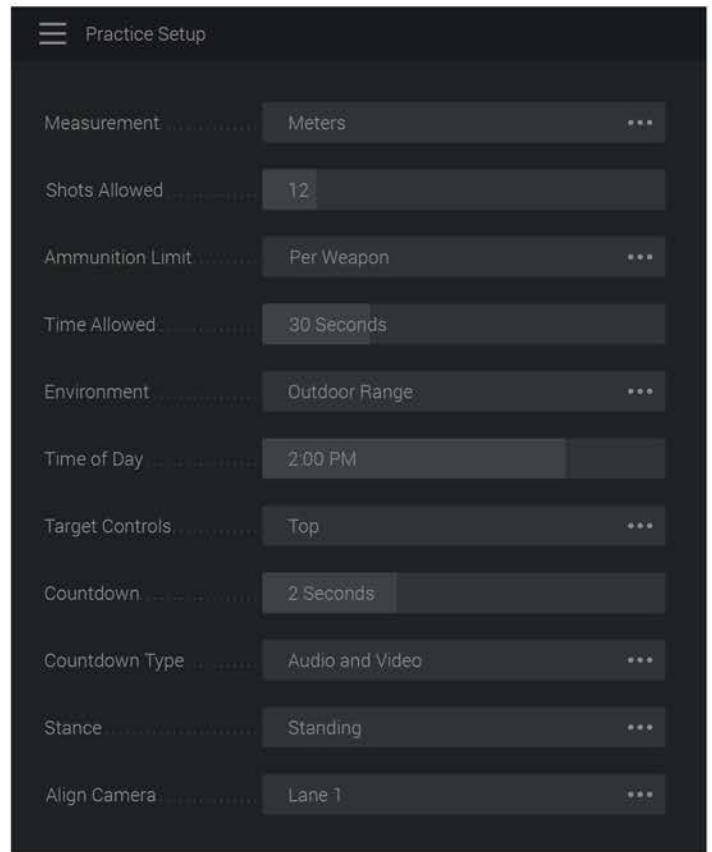
## The Range was Never Like This

Traditional ranges are an important part of learning and developing firearm skills, but even the most sophisticated ranges have limitations that prevent them from being used to practice many critical skills.

The types of targets are limited and they move little, if at all. Perhaps of most concern is that the shooter's movement is highly restricted, which may actually run counter to what an officer or warfighter should do in case of a life-threatening situation.

DART MAX brings the world's most versatile firing range inside your building. Not only does it provide a high degree of visual fidelity, it encourages trainees to move, take cover, and respond to threats as they would if the circumstances were real.

- Up to six lanes, shooters, and weapons at once
- Virtually unlimited target options including traditional flat targets, 3D reactive targets, TruTargets™ (realistic people), video, and more.
- Any number of targets can be used - each with unrestricted movement and custom behaviors.
- Up to 15 hit zones per target with settings for start times, hits to fall, reset time, scoring, audio, and more.



DART MAX makes it easy to setup and run quick practice sessions. Set limits for time and ammunition. Pick an environment and time of day, and drag in a selection of targets - from familiar 2D silhouettes to reactive 3D targets.

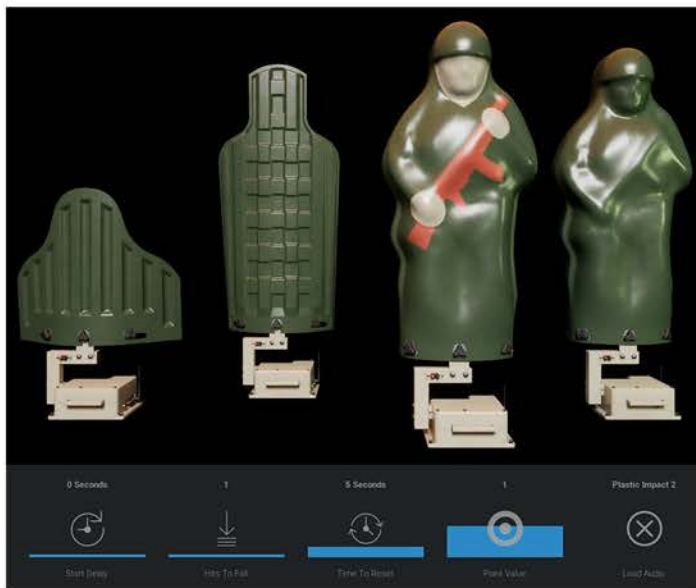


*TruTargets are both realistic and intelligent, with the ability to respond to action within and outside the simulation.*

## Advanced Courseware Creation

Training needs change and evolve over time – and so should your training content. With changing mission goals and regulations, training priorities can shift quickly. That’s why DART MAX was designed with custom drill and course creation in mind.

With MAX, you’re able to create effective courseware and drills targeted specifically to your needs. Plus, MAX is the only simulator that makes it easy to share courses and training content with others.



## Maximum Training Options

DART MAX is the first simulator to combine hyper-realistic 3D graphics *and* video in one immersive training environment. This allows DART MAX courseware to contain any combination of these elements:

- 2D Targets (traditional paper and silhouette targets)
- 3D Targets
- Reactive Targets (poppers, Texas stars, Ivans, etc.)
- Smart Targets™ (targets with embedded AI that make course creation even easier)
- TruTargets™ (the most realistic people you’ll encounter in a firearms simulator)
- Video Scenarios (full screen video)
- Video Targets (innovative video clips of people with selectable poses, movement, and behaviors)
- 3D Environments (realistic indoor and outdoor locations)
- 3D Props, Lights, and Cameras

Simply put, it’s easy to create scenarios and drills in DART MAX that would be impossible on any other system, and laser focused on the skill and proficiency level you are training to. This means trainees who are more engaged in their training and thus better prepared for the challenges of the job.



DART Red Fire works with third-party products like the SKIFTECH tactical vest and Scorpion shock band to simulate gun fire from characters within the simulation.

### Push Your Training Even Further with Red Fire™

DART Red Fire is an optional accessory for DART MAX that can activate compatible third-party devices - such as a lightweight tactical vest worn by the shooter - when predefined events, like gun fire, happen in the simulation.



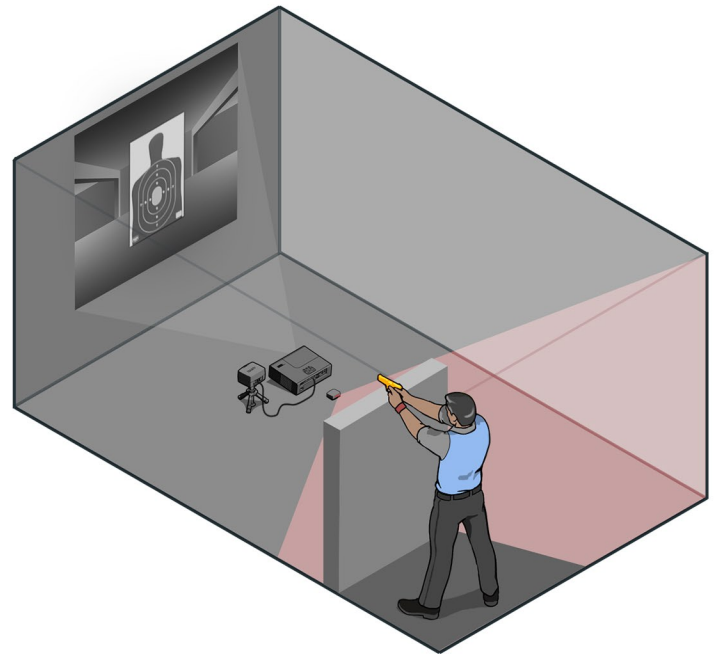
The SKIFTECH tactical vest fits comfortably over a trainee's outfit and uses multiple sensors to capture hits from simulated gunfire or explosions.

The SKIFTECH stress band adds even more realism to your training by creating a physical stimulus when a trainee is "shot". The stress band is a safe way to bring stress-based training to DART MAX courses.



### Cover Training

In wide mode, Red Fire can use a sensor vest to detect a room-wide "shot" that will activate unless the trainee is behind cover.



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