C-More Systems’
Red Dot Sights

By Duane Thomas

Electronic red dot sights are very popular on firearms, especially the AR-15. While early red dot sights were too fragile for the rigors of combat, improvements in sight durability, new circuitry, new switches, new diodes, increased battery life, have been so dramatic that today such sights can be – and are – used on many real-world, real war, US Army assault rifles. Of such sights the C-More is not only one of the best proven, it’s one of the most compact. Really a C-More sight consists of a lens, diode, battery compartment, switch, mount and that’s about it. Dillon sells three versions of C-More through The Blue Press (See Page 67). From smallest to largest these are the Railway, Tactical and Scout sights.

Before we get into model specifics, let’s address why red dot sights are so desirable. The human eye can only focus on one focal plane, one distance from itself, at a time. The further away we get from that focal plane, the blurrier things get. When aiming with conventional iron sights we need to see three things: front sight, rear sight, and target, all at once. Unfortunately those three things are all on different focal planes. The most difficult shooting task for people to execute in combat is focusing on the front sight, letting the target blur. With a red dot sight, by contrast, we can aim with both eyes open, focusing on the target, looking through the lens with one eye, at which point our brain superimposes the dot onto the target…and they’re both in focus. The red dot sight makes the hardest part of shooting (especially fast shooting under stress) innately much easier.

Railway

C-More sights are available with two different types of On/Off/brightness intensity controls: the standard switch and click switch. The two are easy to tell apart visually: a standard switch has an adjustment knob considerably narrower in diameter than a click switch. C-More sells all their sights with either standard or click switches, however – for good reason – C-Mores sold through The Blue Press feature (a) a standard switch on the Railway, (b) a click switch on the Tactical and Scout.

The standard switch is simply a potentiometer, like the volume knob on a stereo. There are no click detents, the switch just turns smoothly from Off (all the way counter-clockwise), then as you move clockwise the dot gets progressively brighter until, all the way around, it’s at full bright. The dot is visible to the naked eye from its lowest “On” setting to highest. The main advantage of a standard versus click switch is that it’s less expensive to manufacture, thus the sight is more affordable. The adjustment knob on a standard switch is considerably harder to turn than on a click switch, so it won’t move during recoil. (A click switch accomplishes the same thing with detents.)

The Railway is the most compact C-More. Its mount is universal; it may be fitted to rifles, shotguns, pistols, crossbows, whatever. The mount tightens via two Torx screws (an appropriate wrench is included). Dot size is 8 MOA, i.e. it would cover 8 inches on a target at 100 yards.

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