



**Epiphany Features**  
**Epiphany FAQs**



## Epiphany Features

**All Metal Structure** - As has become standard for high-end markers, the Epiphany's grip frame, receiver, body, feedneck and all major components are of all-metal construction.

**Adjustable Volume Fire Chamber** - The heart of the Epiphany is the all-new adjustable volume fire chamber - a technology first. Utilizing sized inserts much like The Freak barrel system, a player can tune the volume of air staged behind the Epiphany's bolt. Higher regulator settings and faster valve recharge rates virtually eliminate rapid fire velocity drop off. The result is rock-steady velocity consistency whether the Epiphany Ion is taking a snap-shot or laying out a rope of paint at 15 bps or more.

**Super-Light, Fast-Acting Bolt** - The Smart Parts Firebolt is a standard feature of the Epiphany. Its light weight allows for super-fast reciprocal operation, increasing potential rate of fire while decreasing vibration. Its efficient design baffles the gas flow delivered to the ball for a gentle push against even the most fragile shells, while allowing a high flow volume for maximum efficiency.

**Improved Solenoid Valve and Hosing** - An improved solenoid valve keeps the Epiphany Ion consistently responsive over a wider pressure range at both low and high rates of fire.

**Magnesium Alloy Body, Grip Frame and Trigger** - Olympic class racing bicycle designers utilize magnesium alloys to deliver fantastic strength with minimal weight, and that is what our engineers have done with the Epiphany. The Epiphany grip frame, trigger and body are all manufactured from a state of the art magnesium alloy, making the Epiphany incredibly light with a super-hard chrome based finish. Rubber accent overlays enhance the Epiphany's finished look while providing better grip friction at key points.

**Conical Trigger Bearing** - The Epiphany Ion's conical trigger bearing is suspended between a pair of adjustable lock screws. This configuration provides a silky smooth trigger pull that is virtually free of side to side movement from start to finish.

**Rigid Power Button** - A rigid power button in the Epiphany grip frame makes power and Vision mode selection easy, even with gloves on.

**Break-Beam Vision** - Smart Parts proven break-beam Vision technology protects against paint breakage from mis-feeds.

**Epiphany Freak Barrel** - The Epiphany version of The Freak barrel is included with its own sculpted back section matching the smooth lines of the Epiphany body. Optional inserts and fronts allow this factory included barrel to adapt to changing paint and game conditions.

**Advanced Ergonomic Trigger Position** - Extensive research and field testing led to the final shape of the Epiphany grip frame. With its slender profile and thin-wall wraparound grips, this frame places both trigger fingers at a 90 degree angle from the firing plane, within the bounds of an expanded trigger guard for optimal walking.

**Three Point Adjustable Trigger** - The adjustable Epiphany trigger can be dialed-in to suit any taste. Settings for trigger pre-travel, activation point, and post-travel, may all be fine tuned.

**Low Profile Positive-Grip Friction Feedneck** - The Epiphany Feedneck is equipped with internal o-rings that give it a positive grip on a wide variety of loader neck sizes. Its solid aluminum construction gives it the durability needed for serious paintball competitors.

**Rail Mounted on/off ASA** - Positive air system control means longer o-ring and solenoid life for screw in gas supplies. The easy to clean and rebuild design of the Smart Parts on/off ASA means a lifetime of reliable operation. The integral dovetail mount matches perfectly to the Epiphany grip frame's integrated air system rail for solid, adapter free mounting.

**Standard Barrel Threads** - The Epiphany uses the Smart Parts standard barrel thread found on the Shocker NXT, Impulse, Nerve, Ion and SP-8.

**Strengths From Its Heritage** - The Epiphany is not a replacement for the Ion, it is an advancement of the Ion design philosophy into a new higher performance marker, this means it also has the best features from the Ion:

- **Seal Forward Technology** - This Smart Parts innovation places the breech seal o-ring in the breech instead of on the bolt, providing a perfect seal against blowback without producing rate of fire limiting bolt-drag.
- **True Electropneumatic Design** - Just like the original Ion, and all of the Smart Parts lineup, the Epiphany is built on a true electropneumatic design. A precision, fast acting solenoid valve drives the bolt and valve system for unbeatably quick operation with minimal vibration.
- **Simple 9-volt Powered Operation** - Because of the very low power consumption that true electropneumatic operation provides, the Epiphany's electronics are able to achieve a long operating life from a standard 9-volt alkaline battery.
- **17+ BPS Performance** - The standard Epiphany circuit board will deliver rates up to 17 balls per second, while the Blackheart and aftermarket boards can take it to 20 and beyond.
- Most Ion and Epiphany assemblies are interchangeable. Ion owners can upgrade to Epiphany performance by replacing their circuit board, hoses, regulator spring and fire chamber.

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**Why would a platey want to change the volume inserts?** - At the pressure ranges in which the Epiphany operates, basic set-up differences such as installing a QEV, using an aftermarket bolt, or playing indoors with a 250 fps velocity limit require a change in the fire chamber volume to meet the desired velocity.

**Most other guns eliminate side to side movement in the trigger, don't they?** - Some competing products appear to, by wedging the trigger when it is forward. Actually when you pull them, they can wiggle from side to side in the middle and back of their stroke. The Epiphany trigger is laterally stable through the full trigger cycle.

**What kind of anodizing does the Epiphany body have?** - The magnesium alloy of the Epiphany grip frame, body and trigger are not anodized. They are protected by a chrome based plating process that provides superior protection with a high luster finish.

**Can the Epiphany be used with a QEV?** - Presently, most QEVs will not operate properly in the Epiphany's valve pressure range. Only QEVs warranted by their manufacturer for Epiphany use should be used.

**Will aftermarket Ion bolts work with the Epiphany?** - Yes. Experimentation may be required to find the best Epiphany volume insert to use with a particular bolt.

**What is the operating pressure range of the Epiphany?** - Typical operating pressure is about 260 psi, with a maximum of 280. The pressure difference between the Ion and Epiphany allows the Epiphany's reduced volume fire chamber to deliver the same amount of force to the paintball, yet recharge more quickly for better velocity consistency.

**Can the Epiphany trigger be installed in an Ion trigger frame?** - No.

**Can an Epiphany trigger frame and trigger be installed on an Ion?** - Yes

**Are Ion body covers and Epiphany body covers interchangeable?** - Yes

**What is required to upgrade an Ion to Epiphany performance pressure levels?** - An Epiphany regulator Spring, Epiphany circuit board and hoses, and an Epiphany fire chamber with inserts.

**Can those same Epiphany performance components be used on an SP-8?** - Yes, but the Epiphany fire chamber will need to be fitted with an SP-8 Swivel Donut.

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