

# GATE

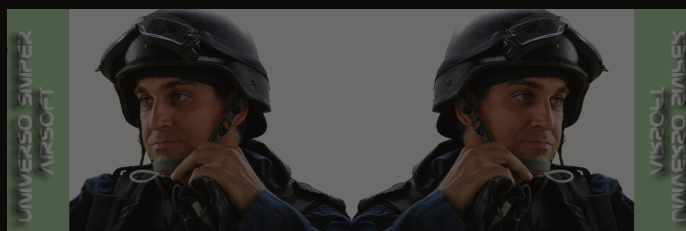




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GATE ENTERPRISE and ARCTURUS TACTICAL are both community driven and dedicated to innovative product development💎

Under the same vision, we have teamed up to create a product that enhances the airsoft experience integrating unparalleled cutting-edge technology from GATE ENTERPRISE and reliable quality & durability from ARCTURUS💎 Our partnership aims to push the benchmark of AEG performance and customizability💎

Henceforth, the monumental creation of TRINITY ARMAMENT💎



# GA-TA01 / GA-TA01D





# GA-TA02 / GA-TA02D






# GA-TA03 / GA-TA03D



# TRINITY Alpha Gearbox

## TRINITY Alpha Gearbox



The reinforced gearbox includes the brand new GATE TITAN II Bluetooth®, GATE CNC-made parts such as the adjustable Nova Trigger design-based trigger, Protector Cylinder Head, High Speed Piston Head, Bolt-Catch and Magazine sensors



SEE FOR YOURSELF  
ON YOUTUBE







**HIGH SPEED**  
PISTON HEAD

**PROTECTOR**  
CYLINDER HEAD

**SEALED**  
NOZZLE



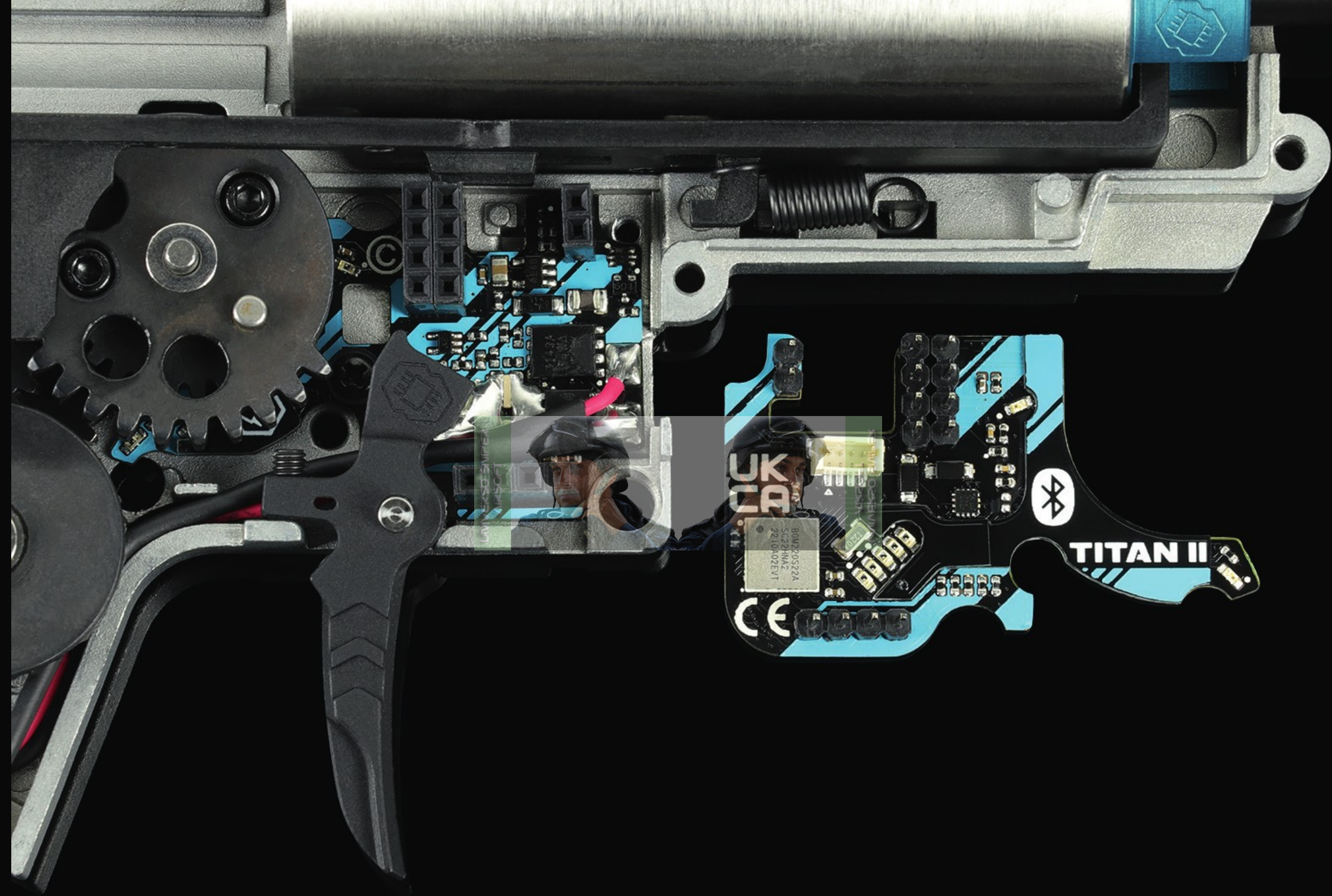
**TITAN II**

**NOVA**  
**TRIGGER**  
DESIGN-BASED

**TRINITY ALPHA GEARBOX**  
**REPLICAS**

- **GA-TA01**
- **GA-TA02**
- **GA-TA03**





# TRINITY Armament HPA PULSAR SERIES

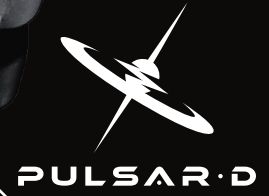


## TRINITY ARMAMENT HPA PULSAR SERIES

The TRINITY replica series including three models has a separate HPA line. This is the world's first HPA replica series straight from the factory with a pre-installed PULSAR D HPA engine. TRINITY HPA replicas are aimed at speedsoft enthusiasts and anyone with their primary focus on response time and cycle speed.



# PULSAR D SERIES



**TITAN II**

**NOVA  
TRIGGER**  
DESIGN-BASED

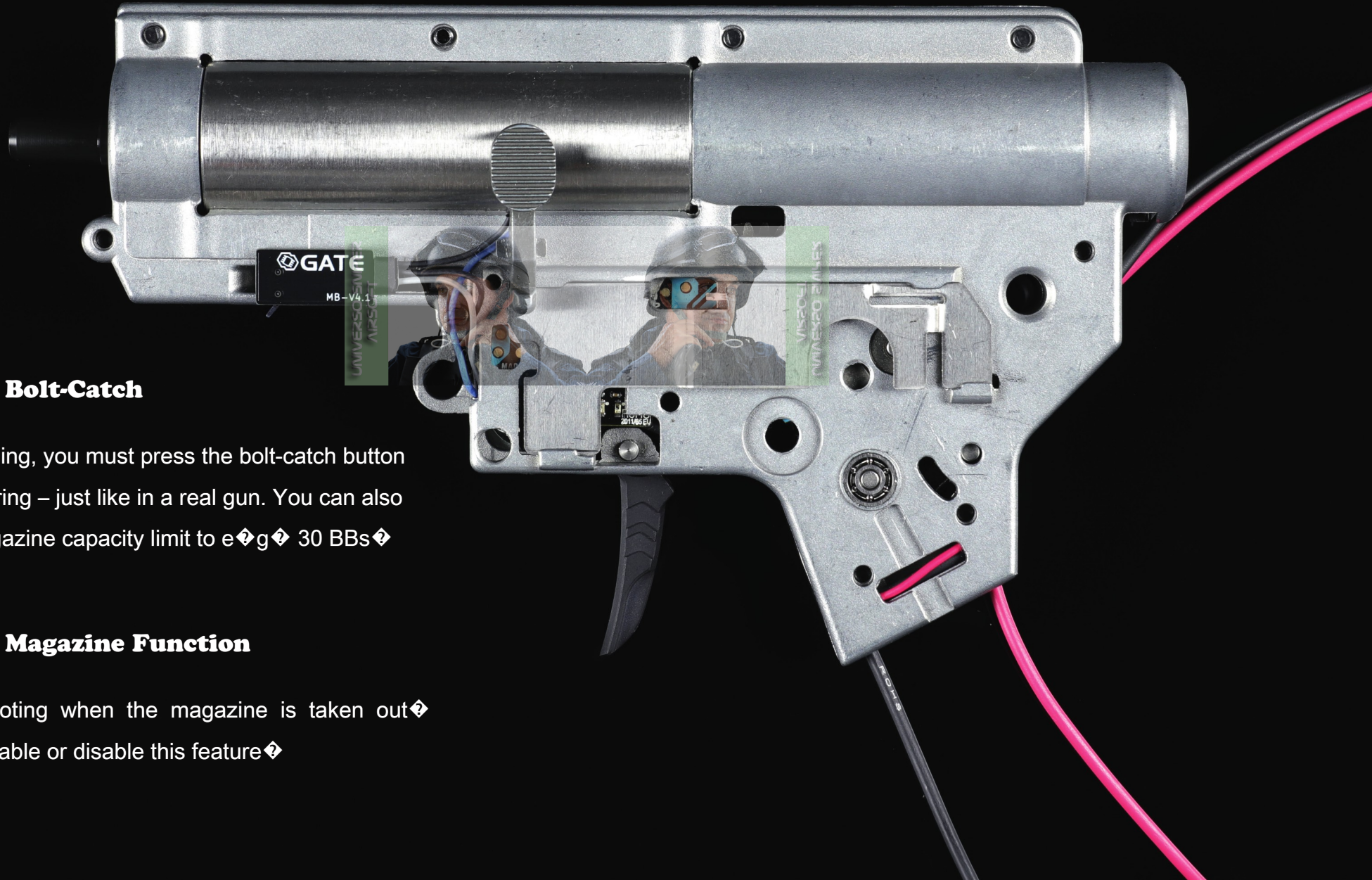


**TRINITY**  
ARMAMENT

**TRINITY PULSAR D  
REPLICAS**

- GA-TA01D
- GA-TA02D
- GA-TA03D

# Bolt-Catch and Magazine Sensors



## Realistic Bolt-Catch

After reloading, you must press the bolt-catch button to enable firing – just like in a real gun. You can also set the magazine capacity limit to e.g. 30 BBs

## Realistic Magazine Function

Blocks shooting when the magazine is taken out

You can enable or disable this feature



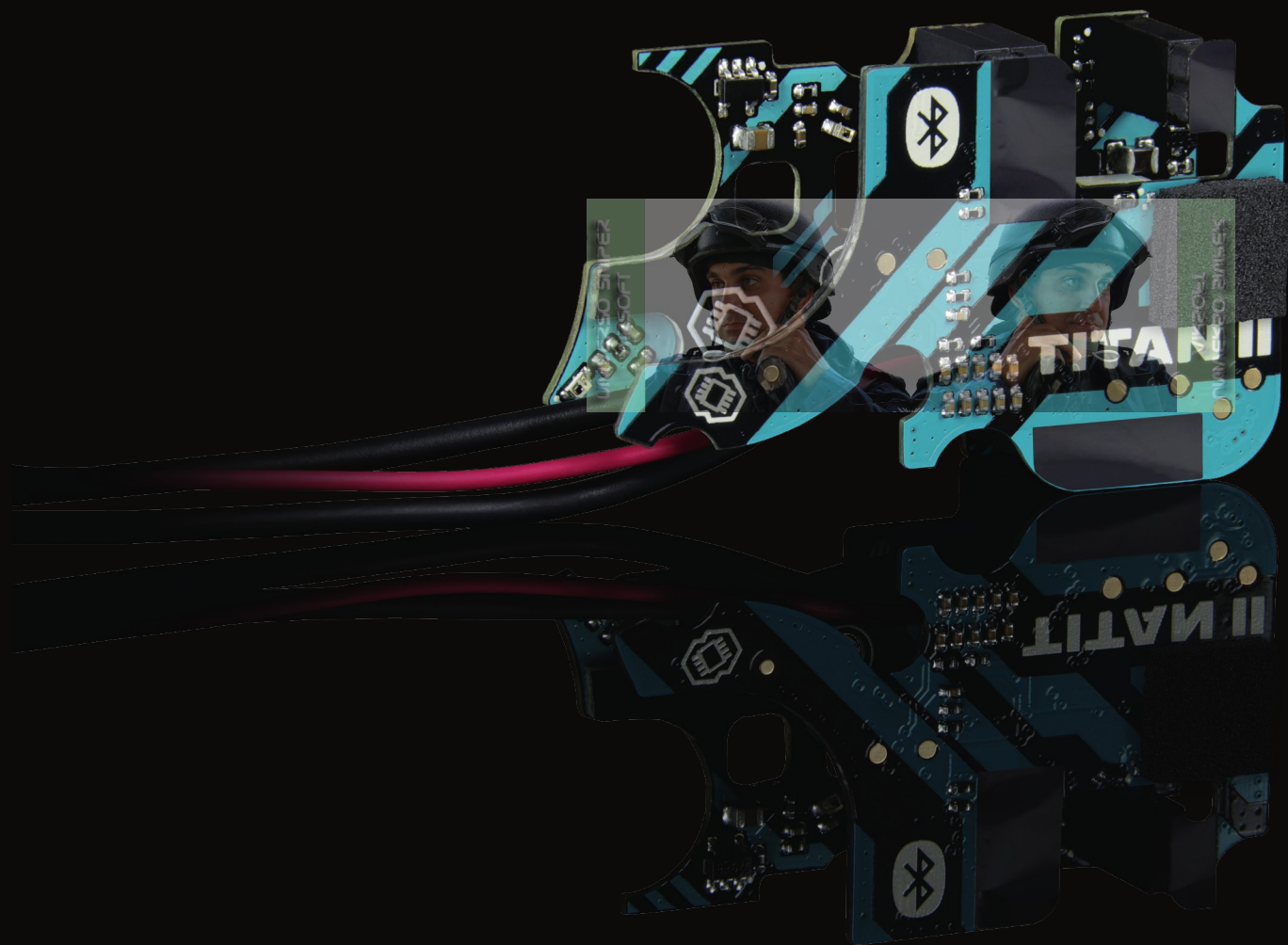
TITAN II Bluetooth® is equipped with a multifunctional port ready for connecting additional accessories such as bolt-catch and magazine sensors, tracer in the hop-up chamber, and more ♦



Built-in voltage boost converter ensures trouble-free operation at low temperatures ♦









## TITAN II Bluetooth®

# TITAN II

## Bluetooth®

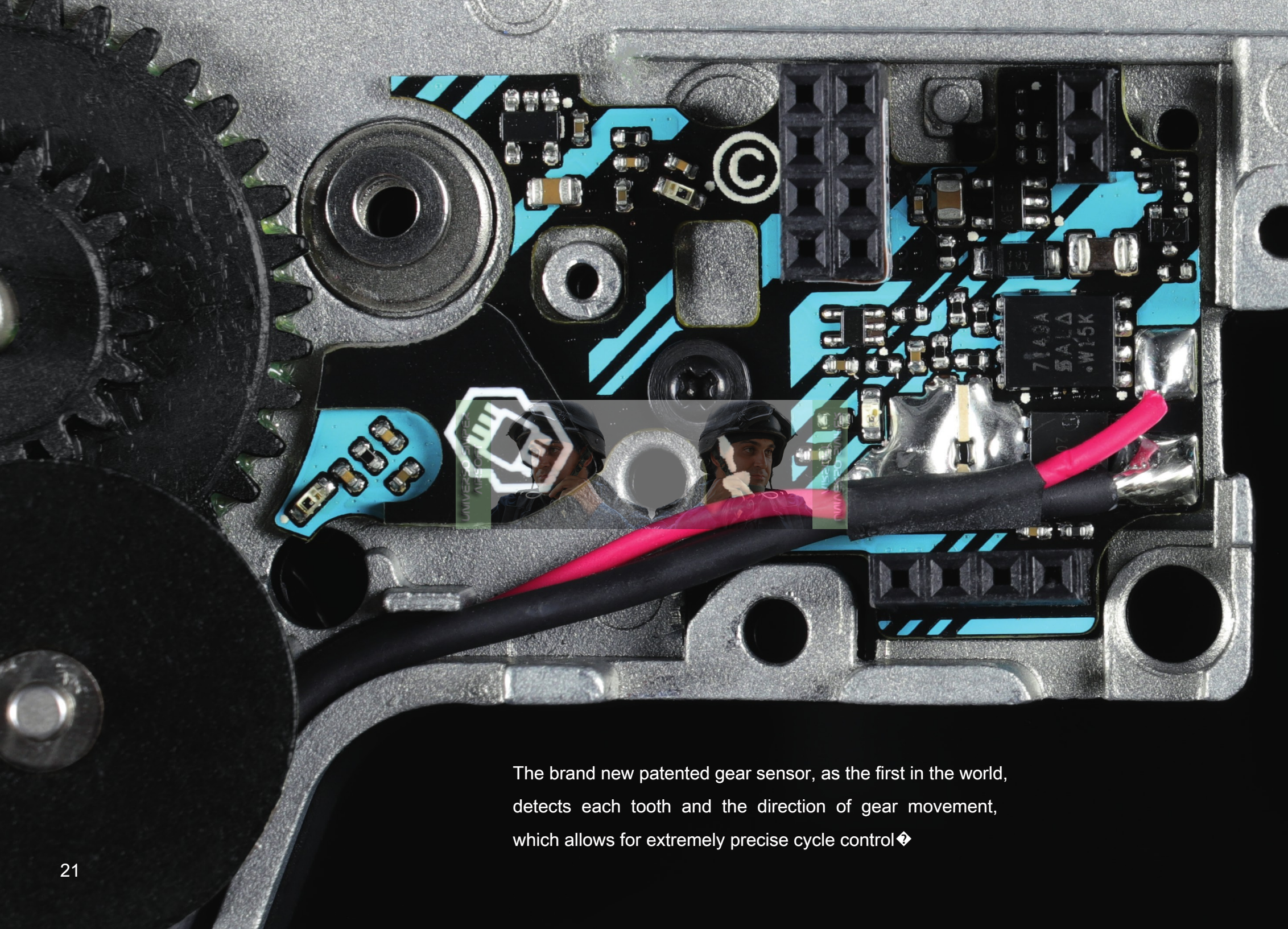
The brand new TITAN II Bluetooth® for V2 GB is the GATE flagship Electronic Trigger Unit (ETU). The built-in Bluetooth® 5♦2 technology gives you direct access to TITAN settings, AEG telemetry, and the possibility to use a smartwatch, STATUS, and other future devices of the GATE Ecosystem♦



### FEATURES

- 27 configurable functions
- Trigger sensitivity adjustment – even 250 levels
- Hair trigger adjustment – even 50 levels
- Statistics & Telemetry
- Multifunctional programmable port
- DTC codes for easy troubleshooting
- Built-in self-test
- Free firmware updates
- 9 optical sensors
- Brushless motor ready
- Ultra-precise cycle detection
- MOSFET
- Adaptive active brake
- Automatic pre-cocking – 5 levels
- Smart fuse
- Ultra-precise telemetry measurements thanks to the new current sensor
- Conformal coating – Military Specification MIL-V-173C





The brand new patented gear sensor, as the first in the world, detects each tooth and the direction of gear movement, which allows for extremely precise cycle control





The mind-blowing optical trigger sensor enables setting the hair trigger with ludicrous precision: even 50 sensitivity levels for the first millimeter of trigger movement, maintaining TITAN V2 sensor advantages ♦

# TITAN II

## Bluetooth®

### WHAT MAKES TITAN II SO SPECIAL?

- User-friendly configuration via the GCS app for iOS, Android, macOS, Windows, watchOS, Wear OS
- Firmware updates via the internet
- Innovative optical sensors instead of mechanical switches that are prone to faults
- Ultra-precise telemetry measurements thanks to the new current sensor
- Replicating trigger response like in a real gun
- Replacing the cut-off lever
- Lowest in the market current consumption – deep sleep mode with only 0.1 mA current consumption prevents battery discharge



### YOU CAN TRUST TITAN II BECAUSE

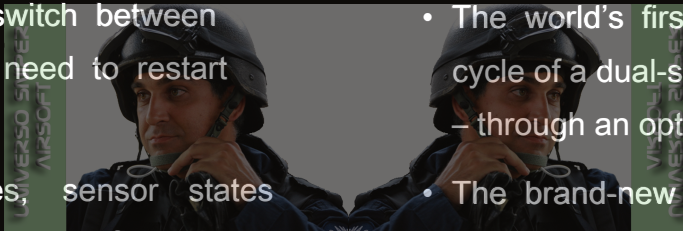
- Every time you pull the trigger, the gearbox completes a correct cycle. The gears stop exactly where they should. The gearbox works efficiently
- It is protected against short circuits, overheating and overloading
- It protects the battery against over-discharge
- It significantly improves battery life, Rate of Fire, spring life, and gearbox reliability (when pre-cocking is off)
- It has a built-in voltage boost converter what allows for trouble-free operation in low temperatures



# TITAN II Bluetooth® Functions

Direct connection to the GCS via the built-in Bluetooth® module (Blu-Link not required), which translates into:

- In-flight configuration (no need to switch between firing and configuration modes, no need to restart your ETU)
- Live telemetry (currents, voltages, sensor states during a shot) – not just after switching to configuration mode
- Intuitive, easy, and quick pairing with your phone, STATUS, smartwatch, and Virtual STATUS
- Ability to have up to 4 active Bluetooth® connections with your ETU
- Detection of the sector-gear position based on 2 sensors, resulting in the ability to switch between single or dual-sensor mode
- The world's first Fire Control Unit that detects the cycle of a dual-solenoid HPA engine nozzle – PULSAR D – through an optical sensor
- The brand-new patented gear sensor detects each tooth and the direction of gear movement allowing for the world's most precise cycle control
- Multifunctional port for connecting additional accessories: bolt-catch & magazine sensors etc



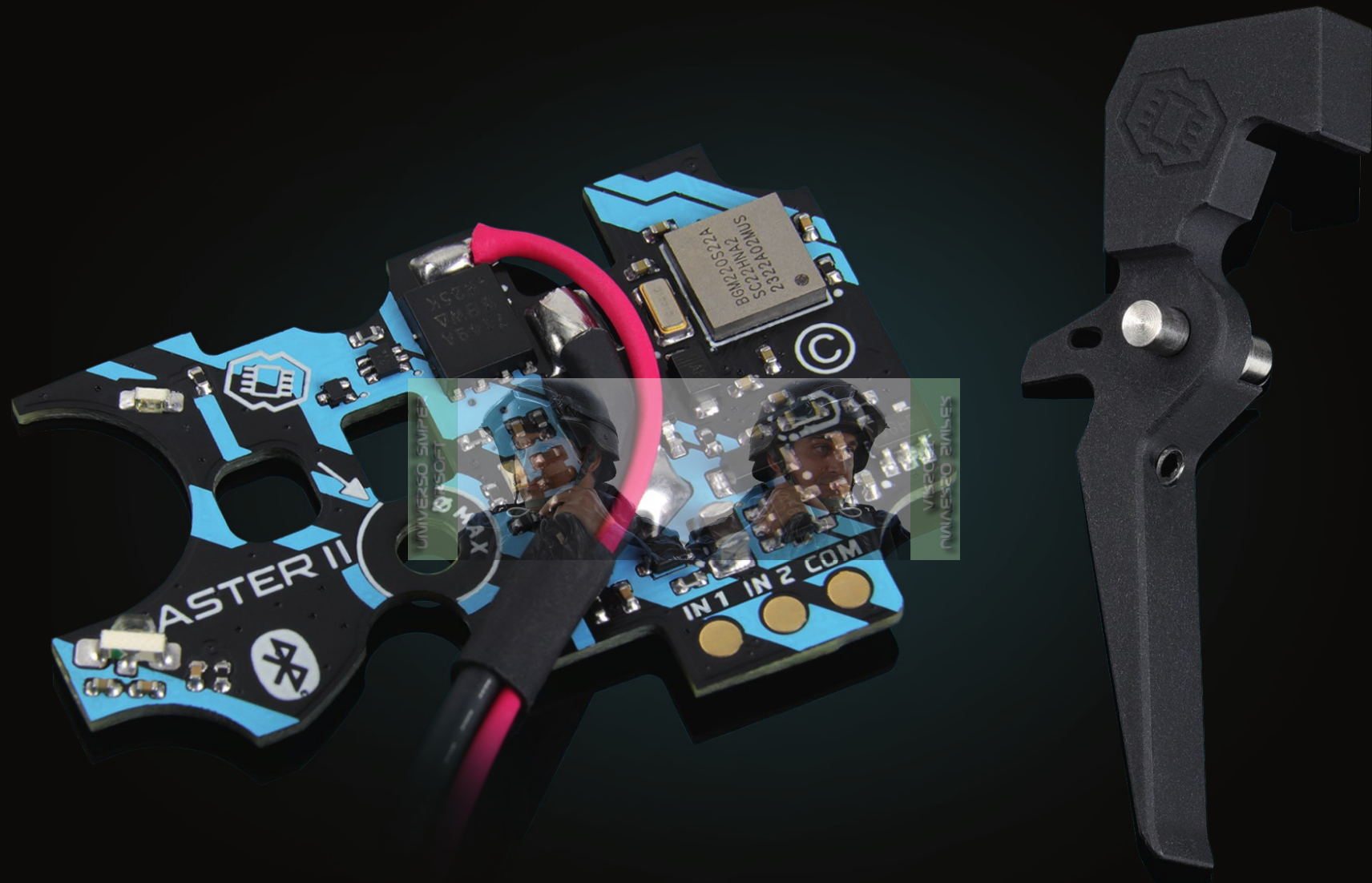
## ASTER II Bluetooth®

# ASTER II



The brand new **ASTER II Bluetooth®** **EXPERIENCE** for V2 GB is the younger brother of the well-known **TITAN II Bluetooth®**. Built-in Bluetooth 5.2 technology gives you direct access to ASTER II Bluetooth® settings, AEG telemetry, and the ability to use our smartwatch app, the tactical computer STATUS, and other future devices of the GATE Ecosystem. Today you can use ASTER II Bluetooth® with your AEG and tomorrow with a single solenoid HPA engine. This makes ASTER II Bluetooth®, right after TITAN II Bluetooth®, the most versatile ETU in the world replacing trigger contacts. **ASTER II Bluetooth®** raises the price-performance ratio by **including an adjustable Quantum Trigger 2**

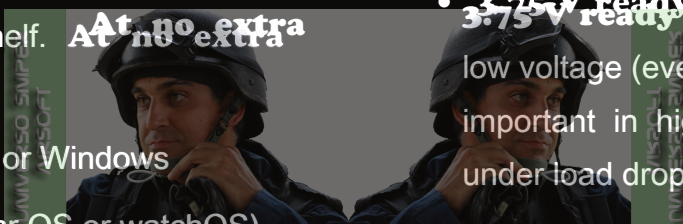
**and Bluetooth® 5.2 onboard.** You get cutting-edge technologies at a reasonable price. Now, out of the box, you can set sensitivity from ludicrous **touch** through **hair** to full movement. Automatic pre-cocking, trigger sensitivity adjustment, **Active Brake** settings with top-class **adaptive mode**, and the Binary Trigger are all available via Bluetooth® with the GCS app. Extended compatibility with brushless motors – **ASTER II Bluetooth® is compatible with popular brushless motors even with a supply voltage of 11.1 V.** ASTER's smart fuse protects your AEG's battery, motor, and the controller. This feature, along with the optical sensors, makes ASTER II Bluetooth® one of the most durable ETUs on the market. ASTER II Bluetooth® is not just a regular ETU/EFCS mosfet. It is a complex system that turns your AEG into **future-proof** advanced training equipment with built-in Bluetooth®. ASTER II Bluetooth® has **a coating in the MIL-V-173C military specification, making it resistant to weather conditions.**



## WHAT DISTINGUISHES ASTER II BLUETOOTH® FROM THE COMPETITION?

### Extraordinary quality to price ratio

- ASTER II Bluetooth® gives you total flexibility thanks to **Bluetooth® 5.2** and compatibility both with AEG and HPA. You can update your firmware and get new options, connect additional accessories, check telemetry. Now – right off the shelf. **At no extra charge.**
- GCS app for iOS, Android, macOS or Windows
- GCS app for your smartwatch (Wear OS or watchOS) – real-time data like BB counters **& remote trigger!**
- Compatibility both with **AEG** and single shot **HPA** engines
- Hair-trigger – up to **35 trigger sensitivities for the first millimeter (0.04 in) of movement & up to 680 in the full range**
- Configurable **trigger reset (hysteresis)**
- Top-notch **automatic pre-cocking**



- **Free internet firmware updates**
- ASTER II Bluetooth® is a part of the GATE Ecosystem
- **Lowest in the market current consumption** – deep sleep mode with only **1400 nA** current consumption **prevents battery discharge**
- Built-in **voltage boost converter** means trouble-free **operation with weaker batteries** increases the **switching efficiency**
- **3.75 V ready** ASTER II Bluetooth® operates at a very low voltage (even **1.2 V** during the shot), which is important in high-tuned AEGs, where the voltage under load drops significantly
- Sensor supporting **Infinite Torque up, DSC, SSC, 19-tooth, and standard gears**
- The possibility of using a **mechanical trigger lock**
- Extended compatibility **with brushless motors** – **works perfect with all popular brushless motors even with 11.1 V batteries**
- **Multifunctional programmable I/O port** – allows to **connect bolt-catch sensor, magazine sensor, and more**

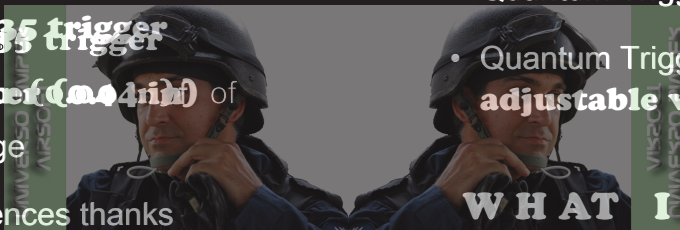


## WHAT MAKES ASTER II Bluetooth® SO SPECIAL?

- Everything you need out-of-the-box
- **Adjustable Quantum Trigger 2** – included in the kit – set trigger travel with screw and trigger sensitivity in the app
- **Built-in Bluetooth®**
- **Noise-resistant trigger detection**
- **Hair-trigger sensitivities** – of the first millimeter (0.4mm) of movement & up to 680 in the full range
- Additional protection against interferences thanks to multi-layer PCB with **EMC shield**
- **Automatic Pre-Cocking**
- **Trigger sensitivity adjustment** – without any limitation – what's more, you can now adjust **Trigger Reset (hysteresis)**
- **Improved cycle detection**
- **Active brake adjustment**

**343 selector modes** – All possible combination of SAFE, SEMI, BURST, BINARY, BURST/AUTO, AUTO & SEMI RAMPING

- The GCS app enables **firmware updates via the internet**, which means instant application of improvements
- Both **ASTER** and **ASTER II Bluetooth®** now compatible with **QUANTUM TRIGGERS:**
  - Quantum Trigger 1 (QT: 1A1, 1B1, 1C1, 1E1)
  - Quantum Trigger 2 (QT-2A1) – **over-travel movement adjustable with screw**



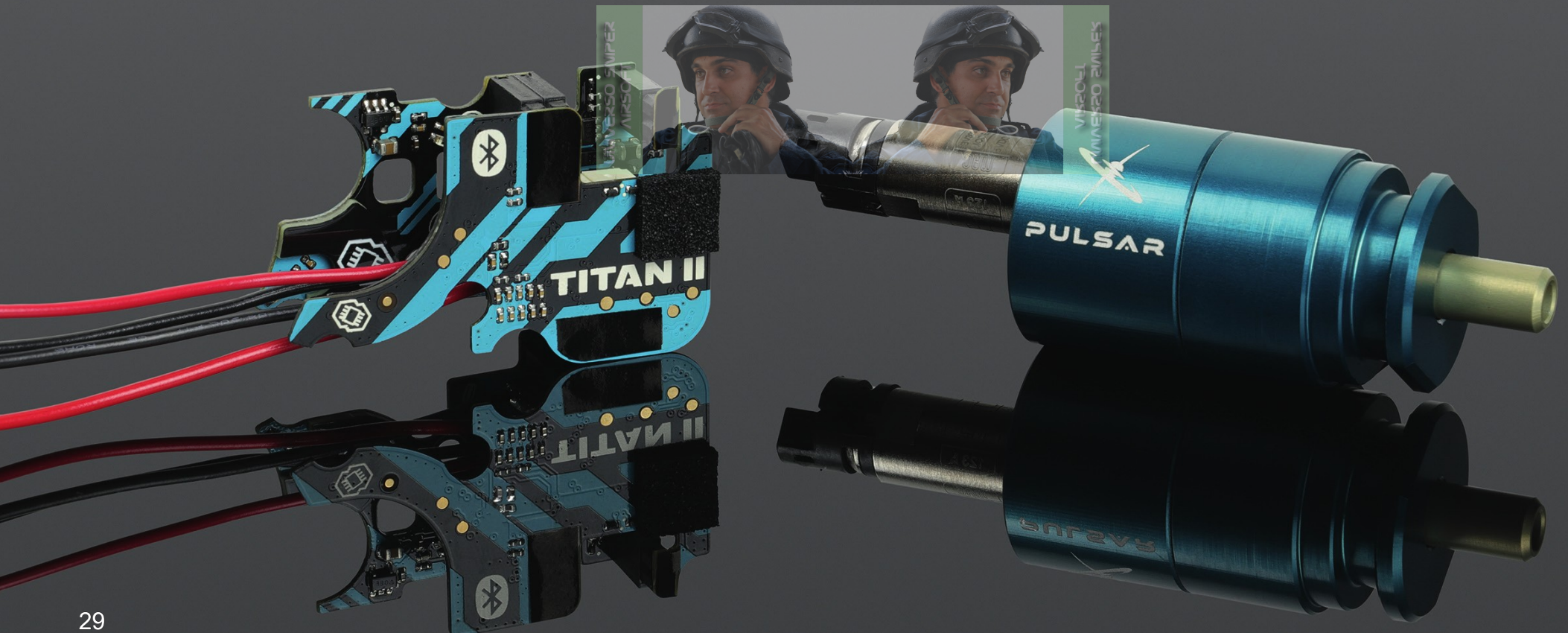
## WHAT IS SELF-LEARNING AUTOMATA PRE-COCKING?

- Thanks to pre-cocking, you gain trigger reaction similar to real life
- Automatically sets piston position
- Easy-to-use – just set one of the 5 modes: 0%, 20%, 40%, 60%, 80%, 100%
- Automatically adapts to the battery voltage and rate of fire



PULSAR

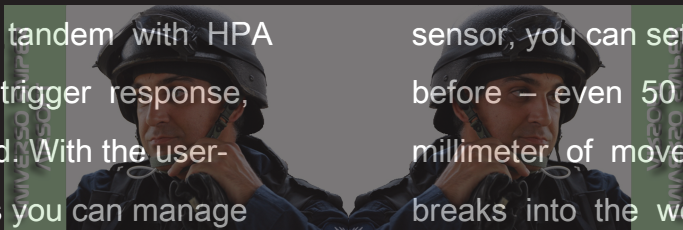
PULSAR·S



# PULSAR S HPA Engine – Set with TITAN II Bluetooth®

## **PULSAR S HPA Engine** **TITAN II Bluetooth®**

the world's cheapest & most advanced single solenoid HPA engine. The first HPA engine controlled by ETU with optical sensors. Thanks to the newest flagship TITAN II Bluetooth® in tandem with HPA technology you get a ludicrous trigger response, unknown before in the airsoft world. With the user-friendly GCS App for smartphones you can manage your AEG settings live, even straight from the field! Set fire selector modes, trigger sensitivity, ROF or connect your smartwatch in order to know how many BBs are still left in your magazine. All the electronics are inside the gearbox (free space in the butt stock or grip). For the first time ever,



users of HPA replicas can experience a multitude of airsoft replica settings and configurations as well as optical trigger sensors, which until now have only been available to AEG users. With the newest sensor, you can set trigger sensitivity unattainable before – even 50 sensitivity points in the first millimeter of movement. Finally, GATE technology breaks into the world of HPA replicas. **Take your replica into the future!**

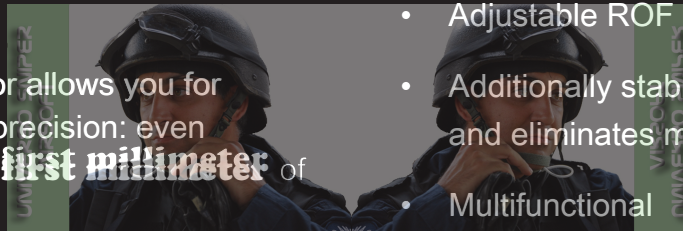
## **PARAMETERS**

- **Adjustable ROF – up to 50 RPS**
- **Velocity: 200-550 FPS**
- **Operation mode – OPEN-BOLT**



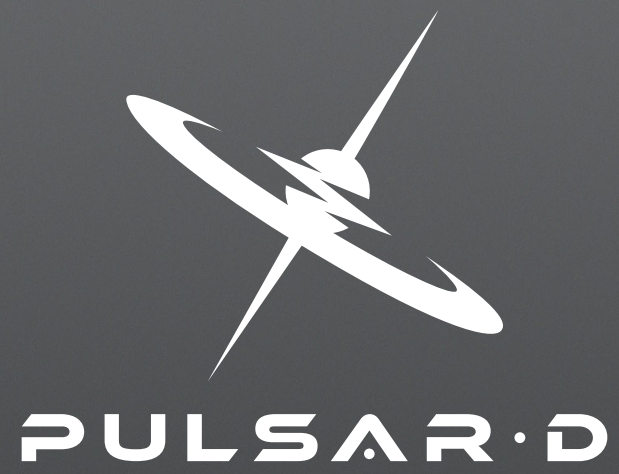
## FEATURES

- The best price-performance ratio – sophisticated technologies at a reasonable price
- TITAN II Bluetooth® – the first Bluetooth optical ETU in an HPA replica
- mind-blowing optical trigger sensor allows you for hair trigger setting with ludicrous precision: even **58 sensitivity levels for the first millimeter** of trigger movement
- Bluetooth® 5.2 – connection with other devices from the GATE Ecosystem, eg STATUS, smartwatch
- for the first time in HPA replicas, configurable fire modes such as binary trigger, burst, etc
- user-friendly GCS app for iOS, Android, macOS, Windows, watchOS & Wear OS
- constant online access to firmware updates
- Adjustable ROF (1 to 50 RPS)
- Additionally stabilized nozzle ensures FPS consistency and eliminates mid-cap syndrome
- Multifunctional port ready to connect accessories such as the Bolt-Catch button, magazine sensor, Hop-Up chamber tracer, electric magazine power supply or a flashlight
- Simple maintenance thanks to a well thought through build











# PULSAR D HPA Engine – Set with TITAN II Bluetooth®

**PULSAR D HPA Engine** (dual solenoid, closed-bolt/open-bolt) **with TITAN II Bluetooth® EXPERT**

– thanks to optical sensors combined with HPA technology, **you get a sound trigger response** never before seen in airsoft. **Get insane muzzle velocities ranging from 250-650 FPS & ROF from 1-40 RPS for COB, assault, and sniper replicas.**

and the innovative feed system guarantee you a straight and repeatable BB trajectory even in full AUTO – every time. **Engine calibration** has never been easier – PULSAR D with TITAN II Bluetooth® is introducing innovative cycle synchronization automation. The most advanced and user-friendly GCS app lets you access a multitude of settings

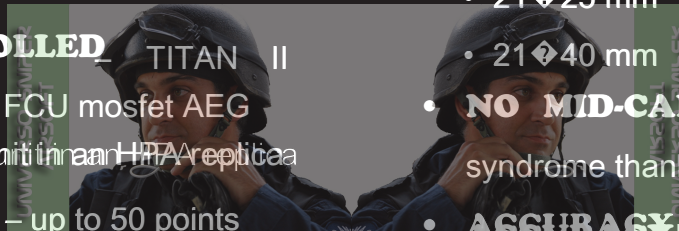
and configurations like binary trigger, trigger sensitivity, ROF – live via Bluetooth®. You can even use a remote trigger on your smartwatch. Install the world's smallest and most advanced dual solenoid valve HPA engine in replicas where previously not possible due to size constraints. Choose one of the five nozzles included or use a regular AEG one. **Take your HPA replica into the future!**

## PARAMETERS

- **Adjustable ROF – from 1-40 RPS**
- **Velocity: 250-650 FPS**
- **Operation mode – CLOSED-BOLT / OPEN-BOLT**

## FEATURES

- **SIMPLE** Easy maintenance, thanks to a well thought out design
- **VALUE FOR MONEY** State of the art technology at the best price
- **COMPACT** Smallest dual solenoid valve closed bolt HPA engine with innovative cycle synchronization
- **Bluetooth® ETU/FCU CONTROLLED** Bluetooth® V2 gearbox drop-in ETU FCU mosfet AEG HPA – the first Bluetooth® optical unit in an HPA replica
  - Very high resolution trigger sensor – up to 50 points of sensitivity in the first millimeter
  - Bluetooth® 5♦2 – connectivity to other elements of the GATE Ecosystem, e♦g♦ STATUS, smartwatch
  - For the first time in HPA replicas configurable fire modes such as BINARY TRIGGER, BURST, etc♦
  - Convenient GCS app for iOS, Android, macOS, Windows, watchOS, Wear OS
  - Constant access to software updates
- **AEG COMPATIBILITY** Compatible with AEG nozzles – 5 nozzle lengths included for MP5, M4/M16:
  - 20♦50 mm
  - 20♦80 mm
  - 21♦15 mm
  - 21♦25 mm
  - 21♦40 mm
- **NO MID-CAP SYNDROME** Eliminated mid-cap syndrome thanks to high dimensional tolerance
- **ACCURACY** High accuracy due to the innovative BB BB feed system for HPA engines
- **STABILITY** FPS stability in full AUTO mode
- **ACCESSORIES** Use the multifunctional port to connect accessories such as the bolt-catch button, magazine sensor, tracer in the hop-up chamber, electric magazine power supply









eon

COMPLETE  
GEARBOX

# EON Complete V2 Gearbox with TITAN II Bluetooth®

## EON Complete V2 Gearbox TITAN II Bluetooth®

includes top-notch internal components ♦ At GATE, we have analyzed and gathered the most advanced technologies available for AEGs and constructed the top-class gearbox, with no compromises on parts ♦ Instead of thinking about tuning, now you can obtain at a fair price a ready-to-use, complete gearbox with warranty. Over a million shots fired to build the best and most reliable hi-end gearbox ♦



## FEATURES

- The build of best performance ensures insane trigger reaction and reliability
- The preinstalled newest **TITAN II Bluetooth®** gives you an extremely innovative advantage
- Hi-end tuning parts, such as the GATE EON CNC Gearbox and EON Pneumatics set
- First in the market Bluetooth® communication straight out-of-the-box
- Free access to the GCS app lets you customize your replica settings live
- Full support for brushless motors
- Thoroughly tested with hundreds of thousands shots
- Lifetime warranty for the gearbox shell – ROF not limited
- 2-year limited warranty for the Complete Gearbox – with the 25 RPS limit ON
- 2-year limited warranty for TITAN II Bluetooth® – ROF not limited
- Plug & play straight out-of-the-box – simple installation





### The most important why-to-buy reasons

- **reliability** — a guarantee that everything works and will work
- **price** — significantly lower than buying the parts separately
- **perfectly fitted** — out of the box
- **no service** — time and costs



## PARTS LIST

- GATE EON V2 Gearbox (Titanium)
- TITAN II Bluetooth® for V2 gearbox
- Nova Trigger
- High speed gear set 13:1 (for 450 FPS)  
or SSG gear set 13:1 (for 350 FPS)
- Reinforced CNC Piston with full steel  
tooth rack
- EON Protector Cylinder Head
- EON High Speed Piston Head
- CNC POM sealed nozzle – 21  $\times$  25 mm
- Polished stainless steel cylinder
- EON Tappet Plate
- Reinforced anti-reversal latch
- Reinforced and low-friction 8 mm bearings



# GATE Control Station

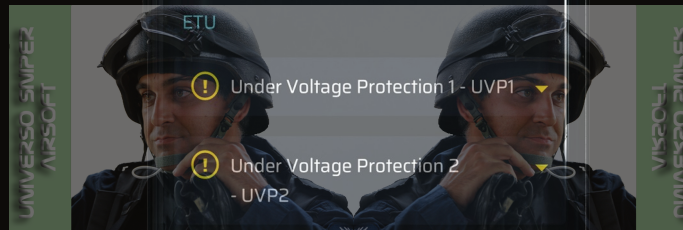


# VIRTUAL STATUS FREE APP

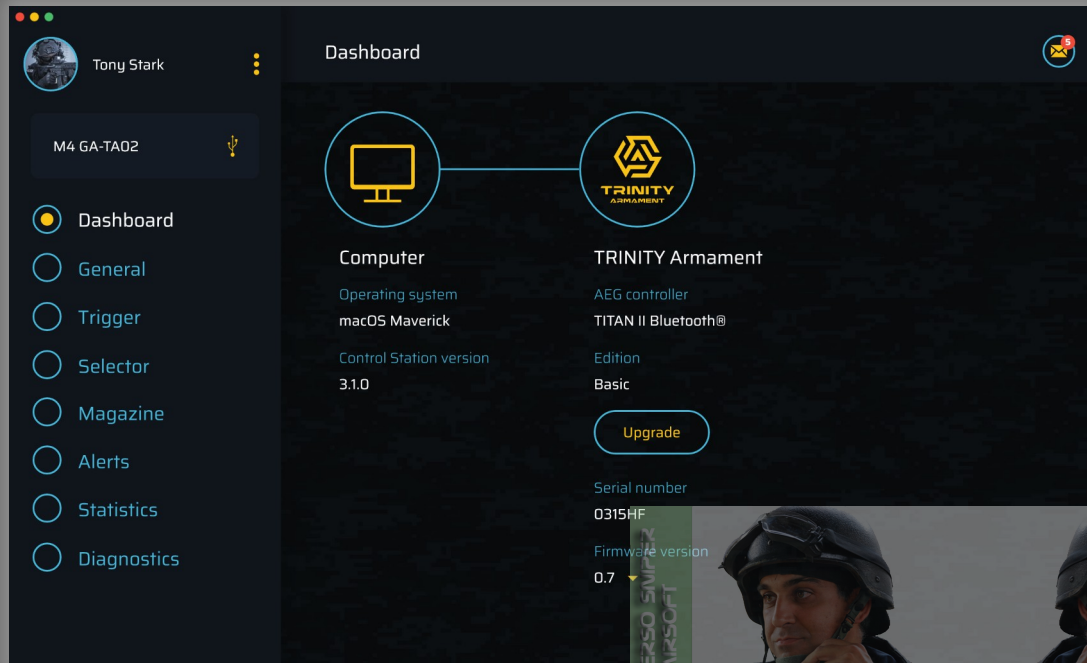


Available on **wearOS** and **watchOS**





# GATE Control Station gives you total control of your replica



## WITH GCS, YOU CAN

- control your replica from iOS, Android, Windows and macOS devices
- adjust ETU settings in a simple way
- update your firmware
- view Statistics and Telemetry
- perform diagnostics and send reports

# GCS



**STATUS**

## Tactical Gun-Mounted Computer

Check the status of your AEG in real-time to reinforce your tactical decisions. Get the confidence and advantage necessary to win. This sophisticated device, composed of CNC aircraft grade aluminium body and OLED display, is designed to operate even in the most challenging conditions.



### FEATURES

- Remaining BB Counter
- Estimated Number of Shots Left on the Battery
- AEG Battery Charge Level
- Replica Angle Indicator
- Temperature Reading
- Magazine Counter
- Distance – Pedometer & Calories Burnt Indicator
- Adaptive Display Brightness
- Fire Mode Notification
- Four Customizable Dashboards





# eon

## GEARBOX



# EON V2 Gearbox

**CNC-machined** Gearbox made in the **CAMEL Factory** from

aircraft grade Aluminium 7075 T6 with military tensile strength of 570 MPa allows for extreme tuning and embraces the following improvements:

- Dedicated to GATE ETUs – TITAN and ASTER as well as the EON series

- **Lifetime warranty** for GATE ETU Users

- Extreme durability thanks to the highest on the market cross-section dimensions in critical places

- Inspection window for precise manual pre-cocking adjustment and piston inspection

- Quick spring change with simple tools such as a home-key or flat-blade screwdriver

- Precise bevel to pinion gear adjustment thanks to the special window

- Easy shimming with special inspection windows for each gear
- Minimized stresses during the cycles thanks to enlarged radiuses in the cylinder window
- No risk of wire damage under the pinion gear
- Handy AOE visual inspection
- Easy anti-reversal latch release
- Ready for 8 mm bearings
- Compatible with the Specna Arms ESA-2 quick spring change system
- Compatible with most standard V2 internal parts
- Compatible with most bodies on the market
- **Compatible with VFC dual selectors**







The kit includes

- EON Gearbox shells
- Set of screws
- QSC spring guide
- **Scratch card with a code entitling you to a free EXPERT firmware upgrade of TITAN or ASTER**



The EON Gearbox is the core of our series of internal parts for professional use. Thanks to the number of modifications, we have met the expectations of both airsoft technicians as well as end users. Our brand-new CNC-machined Gearbox shell noticeably increases the lifecycle of your replica no matter how extreme tuning you are planning in your replica and provides full compatibility with the GATE Ecosystem ♦





# ***HOP-UP***

## *CHAMBER*



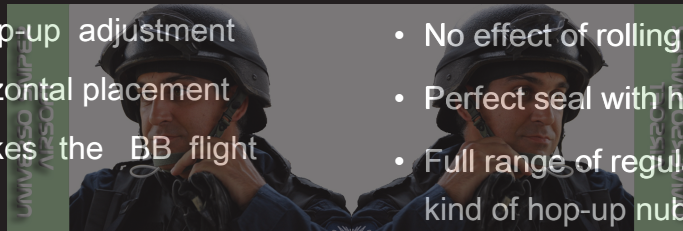


# EON Hop-Up Chamber

## EON Hop-Up Chamber

hop-up chamber stuns with FPS precision & consistency, ensures a perfect sealing and BB feed

Revolutionary TDC system of hop-up adjustment always gives you an ideal and horizontal placement of the hop-up nub, which makes the BB flight trajectory perfectly straight



Tight tolerances of crucial dimensions allow for constant FPS level and stable working of the hop-up system. The redesigned c-clip, CNC-made from POM material, yields anti-rotation of the barrel, which enables simple and error-free assembly

- Precise and stable hop-up adjustment thanks to the first-class TDC (Top Down Centered) system
- Always horizontal and straight BB flight trajectory
- No tightening effect on the hop-up bucking collar
- No effect of rolling up the bucking collar
- Perfect seal with hop-up buckings (no Teflon fix needed)
- Full range of regulation of hop-up force, no matter what kind of hop-up hub you use
- Strong and tight CNC c-clip which ensures stabilization of the barrel
- Perfect axial alignment of the barrel in the chamber
- Extremely precise hop-up force adjustment thanks to the ergonomic rotary dial
- Perfectly fits the **GATEPUSAR SHRA Engine** **EON Complete V2 Gearbox**

- 1 x CNC Aluminum Hop-Up Chamber
- 1 x CNC POM Hop-Up Arm
- 1 x CNC POM 4 $\times$ 5 mm length Precision R-Hop Nub
- 1 x CNC POM 6 mm length Precision R-Hop Nub
- 1 x Mounting screw
- 1 x CNC POM anti-rotation C-Clip
- 1 x CNC POM barrel spacer
- 1 x CNC POM nozzle sleeve
- 10x O-ring space



#### HOUSING

- **Titanium**
- **Red**
- **Cyan**

#### ROTARY DIAL

- **Orange**
- **Red**
- **Cyan**
- **Violet**







## KIT CONTENTS

- POWER HYBRID Piston Head
  - Aluminum 7075
- 6 steel weight pads
- 5 synthetic lightweight pads
- AOE spacer
- 1 bearing
- 2 installation screws
- 2 O-rings
- QR Code containing QuickStart Guide



# EON POWER HYBRID Piston Head + Weight Pad Set

The EON POWER HYBRID Piston Head has been designed especially for standard and high-performance builds, helping achieve best results and overcome limits. Thanks to the use of 10 vents, airflow significantly increases improving sealing. High quality aircraft-grade aluminum CNC-machining ensures repeatability of shots, perfect head-to-cylinder seal, and high power. Together with adjustable AOE, it is essential for every build.

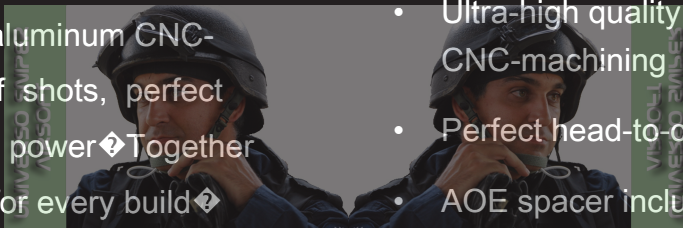
The special weight pads included in the kit for heavier BBs in DMR builds.

## COMPATIBILITY:

- All standard AEG cylinders
- All standard AEG cylinder heads
- All standard AEG pistons
- O-rings 19x2 4 mm

## FEATURES

- Designed especially for standard and high-performance builds
- 10 vents enhancing airflow and sealing
- Ultra-high quality of aircraft-grade aluminum CNC-machining
- Perfect head-to-cylinder seal
- AOE spacer included
- Special weight pads for heavier BBs in DMR builds
- No limits in spring power
- No AEG modification required
- Dedicated especially to pros and skilled users
- Piston Head weight 4.7 g (without bearing or pads)



## KIT CONTENTS

- HIGH SPEED Piston Head – POM
- AOE spacer
- 1 bearing
- 2 installation screws
- 2 O-rings
- QR Code containing QuickStart guide





# EON HIGH SPEED Piston Head

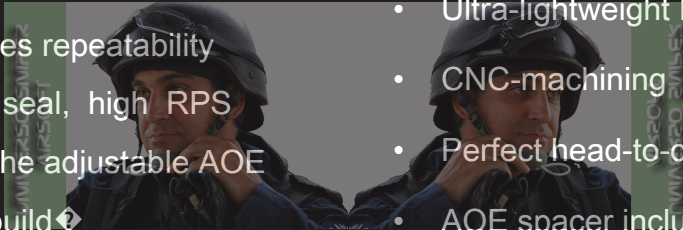
The piston head designed for the most demanding DSG and speed builds, helping achieve the best results and overcome limits. Thanks to the use of 10 vents, airflow significantly increases improving sealing. The ultra-lightweight POM material together with CNC-machining ensures repeatability of shots, perfect head-to-cylinder seal, high RPS ratio, and eliminates FPS drops. The adjustable AOE makes it essential for every speed build.

## COMPATIBILITY

- Ideal for max M140 spring power
- All standard AEG cylinders
- All standard AEG cylinder heads
- All standard AEG pistons
- O-rings 19x2x4 mm

## FEATURES

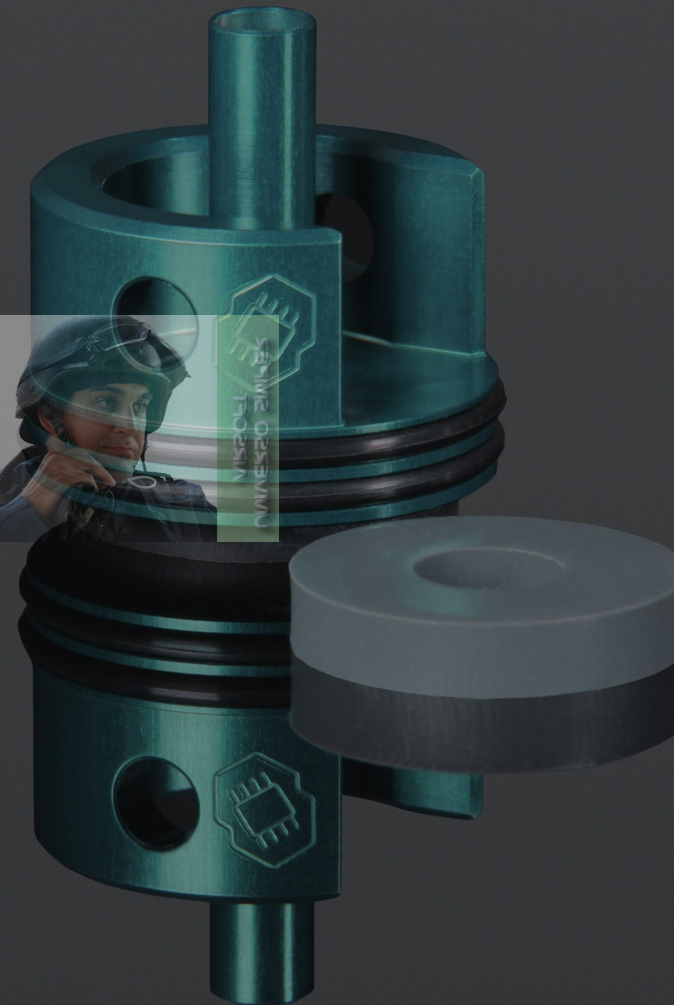
- Designed especially for most demanding DSG and speed builds
- 10 vents enhancing airflow and sealing
- Ultra-lightweight POM material
- CNC-machining
- Perfect head-to-cylinder seal
- AOE spacer included
- No AEG modification required
- Dedicated especially to pros and skilled users
- Piston head weight 2.7 g (without bearing)



## KIT CONTENTS

- PROTECTOR Cylinder Head – Aluminum
- 2 shock absorbing bumpers of varied hardness
- 2 O-rings
- QR Code containing QuickStart Guide

Please note that due to different screen settings and light conditions, the color of the products in the pictures may be slightly different than the actual item. Color differences may also occur between different batches of the product.



# EON PROTECTOR Cylinder Head

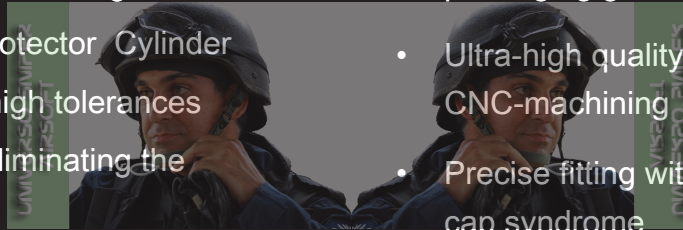
The cylinder head designed to prolong gearbox shell life and provide the perfect seal to achieve best results. The shock-absorbing bumper noticeably increases gearbox life and limits the wear of the piston head. Thanks to high-quality aircraft-grade aluminum CNC-machining, the Protector Cylinder Head guarantees a precise fit and high tolerances between the nozzle and its guide, eliminating the mid-cap syndrome.

## COMPATIBILITY

- All standard AEG cylinders
- All standard AEG piston heads
- All standard O-rings

## FEATURES

- Designed especially for standard and high-performance builds
- Two shock absorbing bumpers of different hardness, prolonging gearbox shell life
- Ultra-high quality of aircraft-grade aluminum CNC-machining
- Precise fitting with the nozzle eliminating the mid-cap syndrome
- High tolerances between the nozzle and its guide
- No limits in spring power
- No AEG modification required
- Dedicated especially to pros and skilled users







***TAPPET PLATE***

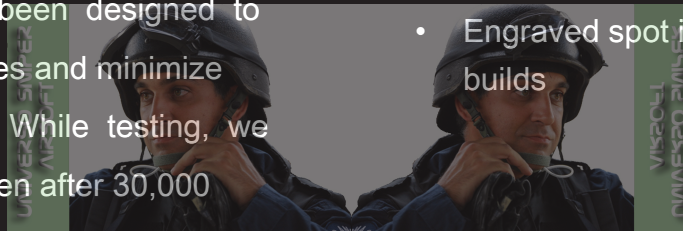
# EON Tappet Plate

The EON Tappet Plate is one of the most important parts of the gearbox responsible for the timing and correct BB feed. Such a crucial element needs to combine two qualities – flexibility and endurance.

The shape of the fin has been designed to ensure the best nozzle opening times and minimize friction against the sector gear. While testing, we did not notice any signs of wear, even after 30,000 cycles. Especially for the most demanding users, we've marked where you need to shorten the fin in order for it to work properly with DSG gears. We've also looked at the tolerances between the tappet plate and the nozzle. For additional nozzle stabilization we've designed tighter tolerances. Increase the performance of your replica with the EON Tappet Plate.

## FEATURES

- Fin shape especially designed for perfect cycle timing
- Stable shape and dimensions thanks to CNC-machining
- Made from flexible and durable POM material
- Engraved spot indicating where to cut the fin for DSG builds



# NOVA TRIGGER





# Nova Trigger

An adjustable speed trigger designed especially for pros using TITAN V2 for the greatest accuracy and overcoming the limits ♦ Enjoy simple and precise hair-trigger adjustment on any sensor you want ♦ Shoot faster thanks to over-travel control ♦ Make the most of the compatibility with any gearbox wherever standard V2 trigger fits, including HPA. Select from multiple shapes and colors to suit the style and type of your games ♦ All of this with ultra-high quality of 7075 aircraft grade aluminum CNC-machining ♦

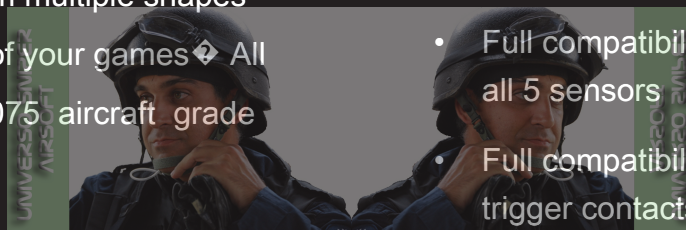
## COMPATIBILITY

- All standard V2 gearboxes
- TITAN V2
- Standard trigger contacts
- HPA engines
- ASTER V2\*

\*The Nova Trigger installed in ASTER V2 ETU acts as a standard adjustable trigger and doesn't increase trigger sensitivity range such as the Quantum Trigger ♦

## FEATURES

- Designed especially for TITAN V2
- Pre-travel screw – hair-trigger adjustment
- Over-travel screw – limit trigger movement from outside the rifle body and shoot faster
- Long-Lok system against loose screws
- Full compatibility with TITAN V2 allowing the use of all 5 sensors
- Full compatibility with HPA engines and standard V2 trigger contacts
- Multiple shapes and colors to suit the style and type of your games
- Ultra-high quality of aircraft-grade aluminum CNC-machining
- No modification of AEG required
- Compatibility with ASTER V2 as a standard trigger\*
- Dedicated especially to pros and skilled users



# QUANTUM TRIGGER



# Quantum Trigger

When your hair trigger starts to get boring, you are ready for the next level ♦ With Quantum Trigger and ASTER V2, you can set sensitivity from ludicrous touch through hair to full movement ♦

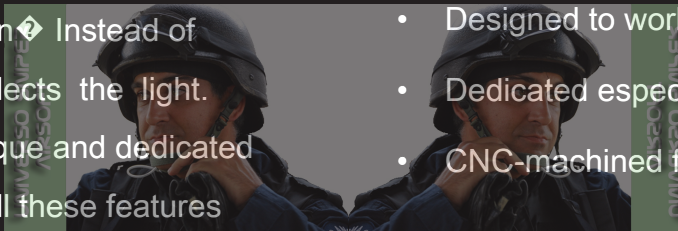
Using the Quantum Trigger, you benefit from a totally new way of trigger detection ♦ Instead of covering, the trigger precisely reflects the light. Shape and surface of the QT is unique and dedicated to work with ASTER V2 sensor ♦ All these features give that extreme resolution ♦

This CNC Quantum Trigger is like a diamond among coal rocks ♦ Dare to try it ♦

Compatible only with ASTER V2 ♦

## FEATURES

- Ultra-high resolution – even **60 trigger sensitivities** for the first mm (0.04 in) of movement
- Even **470 possible sensitivity levels** for the whole movement
- Designed to work with ASTER V2 optical sensors
- Dedicated especially to pros and skilled users
- CNC-machined from aluminium







# GATE Enterprise

**“To give every airsoft player a more exciting experience and to provide them with access to the most up-to-date technology for their airsoft games.”**

Our mission statement is well taken to heart by the staff. We have our own airsoft team of employees so we test prototypes and new features at the same time having a lot of fun ♦







GATE R&D before a skirmish



GATE Owners: CTO, CEO, COO

GATE Enterprise was established in 2009, in Poland. We design, manufacture and distribute products through developed sales channels – we have over 200 resellers in more than 40 countries. We have an experienced and very well-equipped R&D department dealing with the design of advanced electronics, software and mechanics. We are the creators of the trigger and selector position detection technology using innovative optical sensors. Our team established the world's first unified operating system for managing AEG replicas: GCS app for Android, iOS, Windows, macOS as well as wear OS & watchOS for smartwatches. Our premises comprise company headquarters, two production halls, CNC machines, wire processing machines, automatic testers, a climate chamber, and more. We have im-

plemented a lean manufacturing production system including a full system and traceability. Our current top products are: the TITAN & ASTER ETU series, PULSAR HPA Engine, STATUS, EON hop-up chamber and the GCS app. GATE places strong emphasis on quality control, from carefully selected suppliers and verified deliveries, through each stage of manufacturing. Before packing, each unit is thoroughly tested – we have developed our own semi-automatic testers to maximize reliability.

Our solutions are based on over 15 years of experience and acquired knowledge. Combining it with high quality standards and comprehensive tests lets us create products you can fully trust. The most outstanding example is TITAN II Bluetooth.



## Contact

### ADDRESS DETAILS

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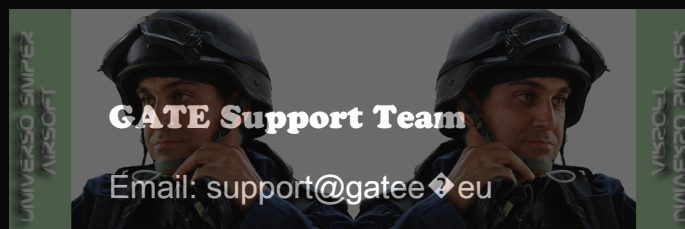
POLAND

VAT-EU: PL6793095316

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Tel: (+48) 12 210 0523

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 **GATE**