COMBAT

TC4-01 ETU
FOR VER.2 GEARBOX
ELECTORNIC TRIGGER UNIT
PRODUCT INSTRUCTION MANUAL

Thank you for your purchase of the M4 ETU, an AEG Control System which will transform your airsoft gun into an advanced weapon. This instruction manual contains important information for future reference

SAFETY WARNINGS

1. This product complies with the standard M4 Mechabox Ver.2 .
2. As there are mechanical boxes from different manufacturers, the operation is unconfirmed. Before installation, please make sure it fits the mechanical box. If not, any malfunctions occur are at your own risk and are not covered by the warranty.
3. This product is suitable for users who have the modification ability.
4. Please be sure to read and understand the instruction manual fully before installation
5. To install this product, you need to be familiar with the correct disassembly and assembly techniques of electric guns.
6. To install this product, the gun and mechanical box need to be disassembled.
7. If you have any concerns about the operation, please be sure to inquire the shop where you purchase it.
8. Please be aware that the warranty does not cover any damage caused by incorrect installation/adjustment of the stun gun or incorrect use.

SPECIFICATION

- The product is compatible with standard M4 Ver.2 geabox
- The product support brushed and brushless motors
- Supporting 7.4V-11.1V Lithium battery (not supporting Nicd and NiMH)
- 0.0006Ω ultra-low internal resistance MOSFET
- Continuous current 100A
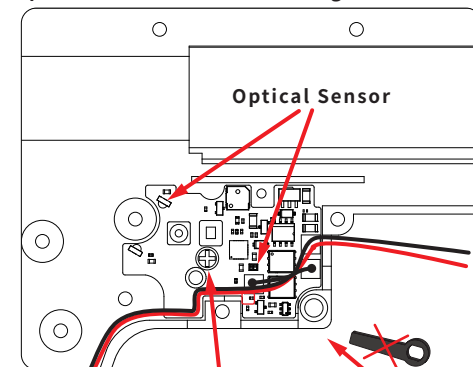- Instantaneous current 400A/s
- All-optical sensor

PROTECTION

- Battery low voltage protection (2~3 cell lithium battery auto detection)
- When the battery voltage is low, you may continue to hear the beep sounds and the trigger will stop working
- Overcurrent detection
- Motor damage protection
- Gearbox damage protection

FEATURES

- No external settings required, fast mode switching
- Burst mode setup (3 and 5 round mode)
- Pre-cooking mode setup (5-level setting)
- Binary trigger mode setup
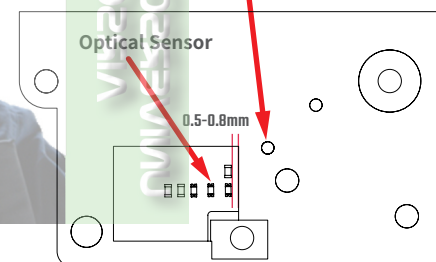- Two-stage fire
- Pre-cooking spring release

Reflective Sticker

Place the attached reflective sticker according to where the arrow points

Do not cover the optical sensor with the wiring

Optical Sensor

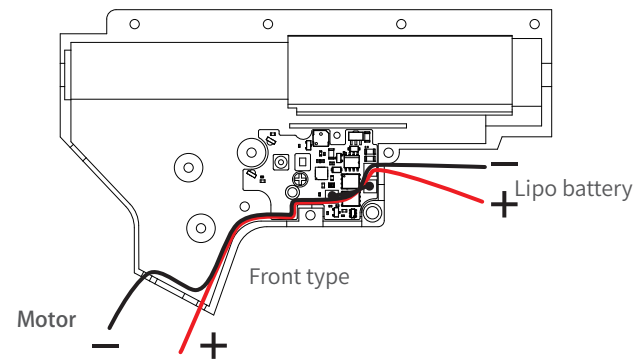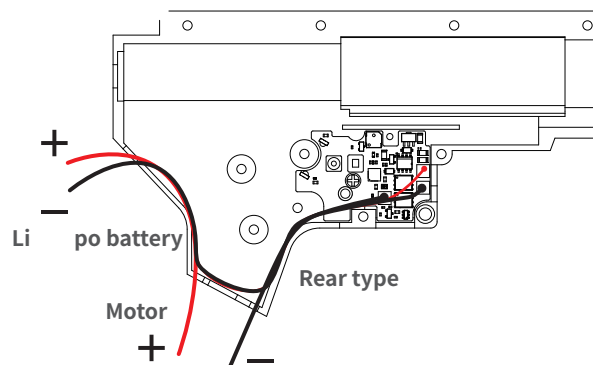Do not install the safety lever

Confirm the back does not protrude after installing the screws. If the back is protruding, please correct it ; otherwise, it may affect the sensor to detect the selector plate position.
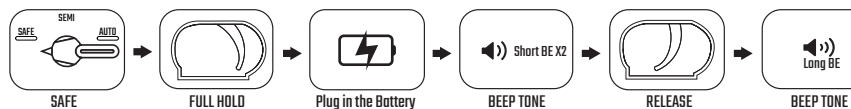
Optical Sensor

0.5-0.8mm

Li po battery

Motor

Rear type

Lipo battery

Motor

Front type

TRIGGER POSITION INITIAL SETUP

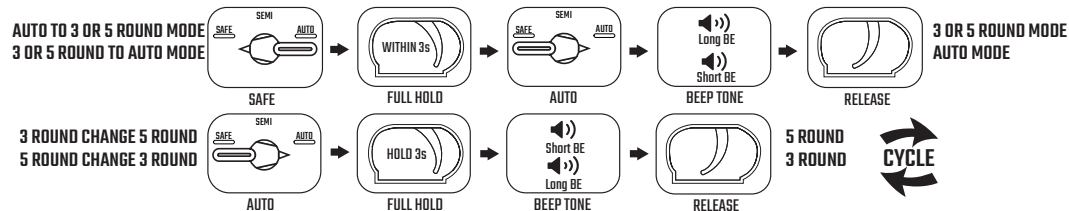SAFE → FULL HOLD → Plug in the Battery → Short BE X2 / BEEP TONE → RELEASE → Long BE / BEEP TONE

●**TRIGGER POSITION INTIAL SETUP (for the first time using or after restoring to factory setup)**

Switch to S AFE>>>Trigger Full Hold>>>Connect Battery>>>Twice short Beep Tone>>>Trigger Release>>>

Long Beep Tone >>>Once Short Beep Tone>>>Initial Setup Ready.

BURST MODE SETUP

AUTO TO 3 OR 5 ROUND MODE
3 OR 5 ROUND TO AUTO MODE

SAFE → WITHIN 3s / FULL HOLD → AUTO → Long BE / Short BE / BEEP TONE → RELEASE → 3 OR 5 ROUND MODE / AUTO MODE

3 ROUND CHANGE 5 ROUND
5 ROUND CHANGE 3 ROUND

AUTO → HOLD 3s / FULL HOLD → Short BE / Long BE / BEEP TONE → RELEASE → 5 ROUND / 3 ROUND CYCLE

● FULL AUTO TO BURST MODE SETUP

Switch to SAFE>>>Trigger Full Hold>>>Switch to AUTO within 3sec>>>Short Beep Tone>>>Trigger Release

● 3-ROUND OR 5-ROUND CHANGE SETUP

Switch to AUTO>>>Fire Trigger Hold 3sec>>>Short Beep Tone>>>Trigger Release 3 Round to 5 Round.

Switch to AUTO>>>Fire Trigger Hold 3sec>>>Long Beep Tone>>>Trigger Release 5 Round to 3 Round.

● BURST TO FULL AUTO MODE SETUP

Switch to SAFE>>>Trigger Full Hold>>>Switch to AUTO within 3sec>>>Long Beep Tone>>>Trigger Release
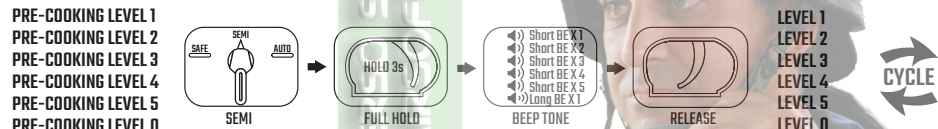
BINARY TRIGGER MODE SETUP

SEMI TO BINARY MODE
BINARY TO SEMI MODE

SAFE → WITHIN 3s / FULL HOLD → SEMI → Short BE / Long BE / BEEP TONE → RELEASE → BINARY MODE / SEMI MODE

● **SEMI TO BINARY MODE SETUP**

Switch to SAFE>>>Trigger Full Hold>>>Switch to SEMI within 3sec>>>Short Beep Tone>>>Trigger Release

● **BINARY TO SEMI MODE SETUP**

Switch to SAFE>>>Trigger Full Hold>>>Switch to SEMI within 3sec>>>Long Beep Tone>>>Trigger Release

PRE-COCKING LEVEL SETUP

PRE-COCKING LEVEL 1
PRE-COCKING LEVEL 2
PRE-COCKING LEVEL 3
PRE-COCKING LEVEL 4
PRE-COCKING LEVEL 5
PRE-COCKING LEVEL 0

SEMI → HOLD 3s / FULL HOLD → Short BE X 1 / Short BE X 2 / Short BE X 3 / Short BE X 4 / Short BE X 5 / Long BE X 1 / BEEP TONE → RELEASE → LEVEL 1 / LEVEL 2 / LEVEL 3 / LEVEL 4 / LEVEL 5 / LEVEL 0 CYCLE

●**PRE-COCKING LEVEL SETUP**

Switch to SEMI>>>Fire,Trigger Full Hold 3 sec>>>1 Short Beep Tone,in 1 Stage>>>Trigger Release
Switch to SEMI>>>Fire,Trigger Full Hold 3 sec>>>2 Short Beep Tone,in 2 Stage>>>Trigger Release
Switch to SEMI>>>Fire,Trigger Full Hold 3 sec>>>3 Short Beep Tone,in 3 Stage>>>Trigger Release
Switch to SEMI>>>Fire,Trigger Full Hold 3 sec>>>4 Short Beep Tone,in 4 Stage>>>Trigger Release
Switch to SEMI>>>Fire,Trigger Full Hold 3 sec>>>5 Short Beep Tone,in 5 Stage>>>Trigger Release
Switch to SEMI>>>Fire,Trigger Full Hold 3 sec>>>1 Long Beep Tone,in Default Stage>>>Trigger Release

PRE-COCKING SPRING RELEASE

SAFE → HOLD 5s / FULL HOLD → Long BE / BEEP TONE → RELEASE

● PRE-COCKING SPRING RELEASE

Switch to SAFE>>>Trigger Full Hold>>>Long beep tone>>>Trigger Release>>>Once Fire.

RESTORE FACTORY SETUP

SEMI → FULL HOLD → Plug in the Battery → Long BE / BEEP TONE → RELEASE

● RESTORE TO FACTORY SETUP

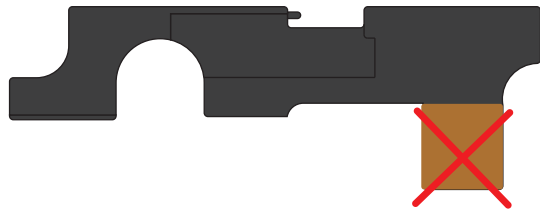Switch to SEMI>>>Trigger Full Hold>>>Connect Battery>>>Long Beep Tone>>>Trigger Release

●**SINGLE SHOT IN AUTO MODE**
This function allows the user to do single shot shooting in AUTO mode
(no need to switch the shooting mode)
operation method: In AUTO mode, press 1/2 of the trigger, it is single shot.
If it is fully pressed, it will be on burst mode (it's the same as the 3/5 round mode)

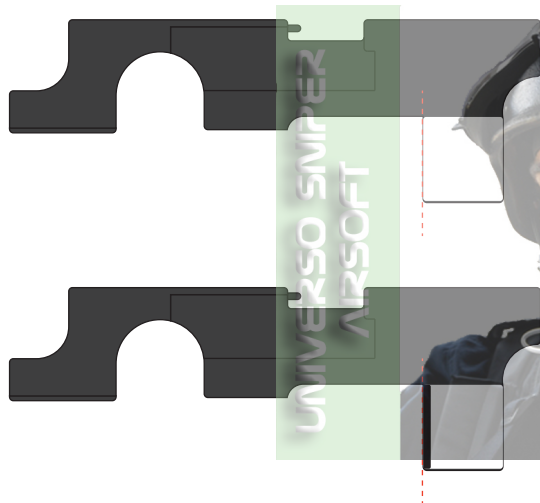You can view the video of the setting method from the QR code above

Supplement of selector plate reflective stickers

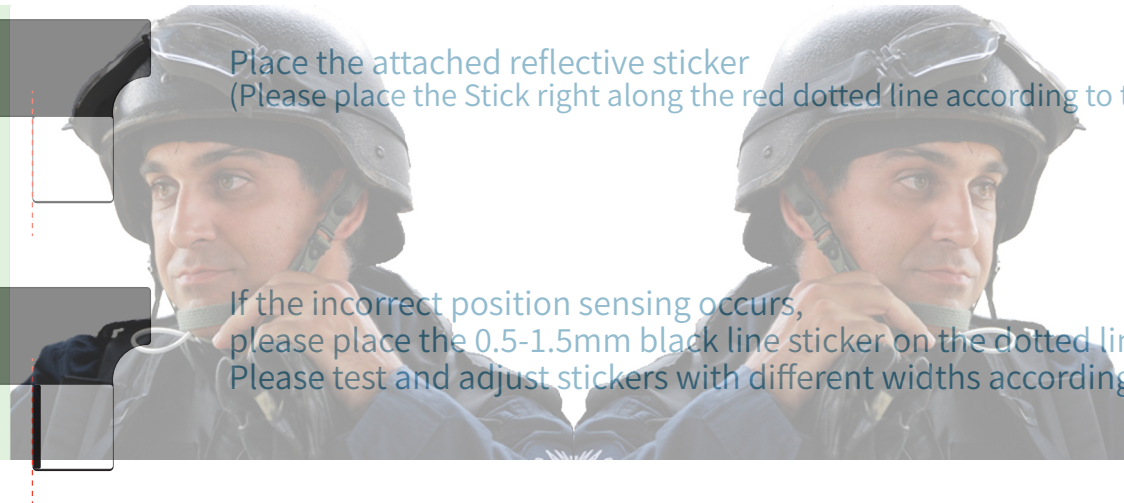There will be some deviation between different brands of mechanical boxes;
therefore, incorrect position sensing between SAFE, SEMI, AUTO may happen
The instructions and adjustment methods are as follows

Remove the original copper sheet on the selector plate
(if not, it may affect the senor to detect)

Place the attached reflective sticker
(Please place the Stick right along the red dotted line according to the photo)

If the incorrect position sensing occurs,
please place the 0.5-1.5mm black line sticker on the dotted line.
Please test and adjust stickers with different widths according to actual conditions