

1. General Description

ETiny Control unit is a multi-function airsoft controller, suitable for PTW and CTW M4A1. The main feature of control unit can support programmable firing mode, LED mode and low battery indicator.

2. Electrical Characteristics

Minimum Operating Voltage	7.4V
Maximum Operating Voltage	16V
Maximum Operating Current	5mA

3. Programming Setting

3.1 Firing mode programming (Manual ECU only)

- Unload magazine
- release bolt switch
- turn selector switch to Auto from Safe
- press and hold trigger until a flash from LED
- mode changed

3.2 LED Day/Night mode programming

- Unload magazine
- release bolt switch
- turn selector switch to Auto from Semi
- press and hold trigger until a flash from LED
- mode changed

3.3 Low battery indicator

- LED keeps bright if battery is full/disable
- LED keep flashing when battery is low
- LED keep flashing slowly when battery is empty and power will be cut off

3.3.1 Low battery indicator programming

	V1	V2
11.1V Li-Po	Open	Open
9.6V NiMH	Short	Open
9.6V NiMH	Open	Short
Disable	Short	Short

Low battery indicator can be programmed by open and short corresponding V1, V2 jumper on the back of PCB.

4. Troubleshoot

4.1 LED is off

- Check and replace with 30/35A fuse on power unit

4.2 Miss fire or double fire

- Check and clear sensor board with small amount alcohol and soft cloth

5. Attention

- Don't spray any lubricating oil on control unit directly
- Don't use excess grease in gear box
- Don't expose under sun light

6. Order information

	Firing Mode
3 Burst	Safe – Semi – 3 Burst
Full Auto	Safe – Semi – Full Auto
Manual Mode	Safe – Semi – Programmable 3 Burst/Full Auto
Manual Mode (Germany)	Safe – Semi – Programmable Semi/3 Burst/Full Auto