ACETECH

AC6000MKIII
AC6000MKIII BT
CHRONOGRAPH

User Manual

IOS | Android | Bluetooth

Table of contents

All the specific actions and contents are only for reference, please make the object as the standard, and in this manual are subject to change without notice.

Safety and Precautions

1. When using an external power supply, use a 5V adapter with a current of 0.5A or more.

2. Battery version: Charge the battery at least every 2 months when the tracer is not used to avoid completely discharging the battery. The defect of completely discharging the battery is not covered by warranty, lasts approximately 24 hours on a full charge.

3. Avoid using the B.B. to accidentally hit the panel and buttons during use to avoid LCD or button damage.

4. Automatic shutdown and low voltage shutdown protection.

5. Keep a certain distance from the chronograph when using Gas/CO2 blow back guns & Gel blaster to avoid disturbed readings.

Contents

	Chronograph Bag x 1	User Manual x 1
AC6000MKIII Series	Type C Charging Cable x1	18650 Lithium Battery x 1

※ **Chronograph Bag: only available for AC6000MKIII BT [Exclusive Edition]**
※ **With battery version: already installed in the machine,**
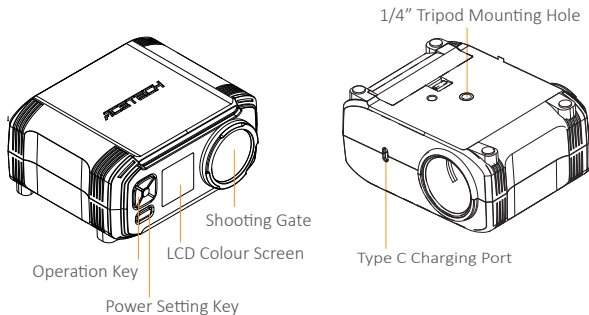   **Without battery version: please purchase by yourself.**

Feature Locations

1. AC6000MKIII Series models are AC6000 MKIII, AC6000MKIII BT and AC6000MKIII BT Exclusive Edition; the details are as follows:

	AC6000MKIII	AC6000MKIII BT	AC6000MKIII BT (Exclusive Edition)
Bluetooth	✘	✔	✔
Shooting Tube	Plastics	Plastics	Aluminum
Chronograph Bag	✘	✘	✔

2. Display: 240x240 pixel LCD.

3. AC6000MKIII Series:

1/4" Tripod Mounting Hole

Shooting Gate

LCD Colour Screen

Operation Key

Type C Charging Port

Power Setting Key

Function settings

1. SCR1: Muzzle Velocity, ROF, Energy and AMMO quick selection function.

Charging Display

Bluetooth

Measurement Range of Energy

Battery Indicator

Energy

B.B. Parameter

SCR1		Ammo 1
Joule	J/cm²	6mm
0	0	0.43g

Measurement Range of ROF

ROF (Rate of Fire)

RPS
0
m/s

Muzzle Velocity

Test N

Measurement Range of Muzzle Velocity
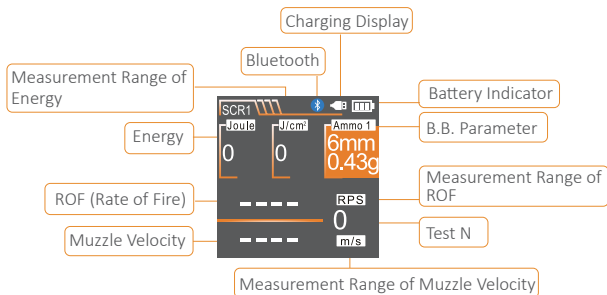
※ When measuring ROF, you must fire more than 10 rounds.

2. SCR2: Provides 25 latest continuous firing speed and muzzle velocity test data for users to analyze the performance of BB guns.

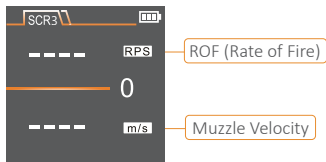| SCR2				
SN	RPS	m/s	MAX	16.3
19	16.3	152.4		154.6
18	16.3	152.4		
17	16.3	153.3	MIN	16.1
16	16.3	152.5		151.4
15	16.3	152.6		
14	16.3	153.2	AVG	16.2
13	16.3	153.6		152.8
12	16.2	151.7		

25 Rounds of Speed Information

Note: The upper column of MAX, MIN, and AVG is the continuous launch speed, and the lower column is the initial speed.
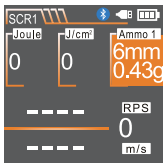
※ Use the up and down key to view 25 rounds of speed measurement data.
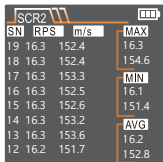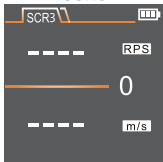※ Clearing the History: Press and hold the up button for 3 seconds to clear the history.
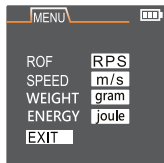
3. SCR3:

SCR3	
----	RPS
	0
----	m/s

ROF (Rate of Fire)

Muzzle Velocity

SCR1

MENU: Function Setting Screen

MENU
AMMO
UNIT
APO
BRIGHTNESS
ALARM
RESET

NO	WT(g)	mm
> 1 0.200	06.0	
2	0.250	06.0
3	0.430	06.0
4	0.450	06.0
5	0.880	06.0
EXIT		

• **AMMO: B.B. Parameter Setting**
A total of 5 groups can be set, and the weight (g) and diameter (mm) of each group can be set.

SCR2

SN	RPS	m/s		
19	16.3	152.4	MAX	16.3
18	16.3	152.4		154.6
17	16.3	153.3	MIN	16.1
16	16.3	152.5		151.4
15	16.3	152.6		
14	16.3	153.2	AVG	16.2
13	16.3	153.6		152.8
12	16.2	151.7		

MENU
AMMO
UNIT
APO
BRIGHTNESS
ALARM
RESET

MENU
ROF   RPS
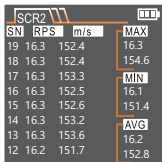SPEED   m/s
WEIGHT   gram
ENERGY   joule
EXIT

• **UNIT:**

1) ROF: RPM: Round Per Minute
RPS: Round Per Second

2) SPEED: m/s (meters/seconds)
ft/s (feet/seconds)

3) WEIGHT: gram (g)
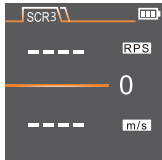grain (gr) (1 grain=0.0648gram)

4) ENERGY: joule
ft-lb

SCR3

SCR 1
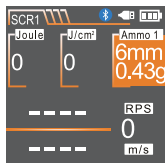
MENU: Function Setting Screen

- **APO: Automatic Shut Down Setting**
  1) APO can be set to automatically shut down when not in use for 5 to 60 minutes to save power.
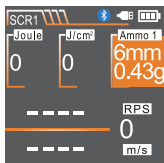 2) USB APO ON/OFF APO function can be turned on or off when using USB power.

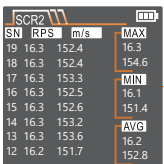 Note: When the battery reaches low voltage, it will automatically shut down to protect the lithium battery.

SCR 2

- **BRIGHTENESS: LCD Brightness Setting**
  1) **ADJUST:** Adjustment range: 0 ~ 10
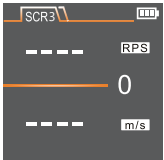 2) **Set to the Default Value**
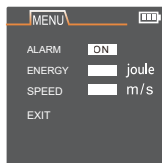   (Note: The default value is 6.)
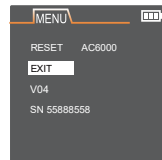
SCR3

SCR 1

MENU: Function Setting Screen

- **ALARM: Energy / Velocity Upper Limit and Warning**
  1) **ENERGY:** joule
  2) **SPEED:** m/s

※ **When the energy and Muzzle Velocity the upper limit, a red warning will appear on the screen.**
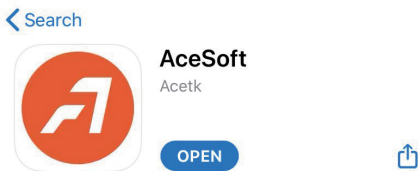
SCR2

- **RESET: Restore to Factory Settings**
  1) **RESET AC6000:** Restore to factory value
  2) **Version display**
  3) **Serial number display**

SCR3

APP operation instructions

1. Go to the APP store and search for AceSoft and install it.

2. Start APP, AC6000MKIII BT and mobile phone Bluetooth.

3. Please refer to the figure below for the first time use. Click on the AC6000MKIII BT icon and a reminder icon will appear during pairing. At this time, press the AC6000BT power button to complete the pairing. (APP system display AC6000 BT = AC6000MKIII BT).

4. After the pairing is successful, you will see the following screen. The gray area is the speed measurement result.
5. From left to right, the blue boxes above are No/Time switch, RPS/RPM switch, m/s and ft/s, and Joule/ft-lb/(J/cm^2).
6. The orange blocks on the right from the top to the bottom are respectively Ammo 1 ~ 6 for selection to test at the highest speed/RPS, average speed/RPS and lowest speed/RPS.
7. From left to right in the green box below, the shooting data is stored, the shooting data is cleared, and the data chart is switched.

No/Time switching
RPS/RPM switching

m/s and f/s

Joule/ft-lb/(J/cm^2)

Ammo 1-6 selection

Highest speed / RPS

Average speed

Minimum speed/RPS

Speed measurement results

Shooting data

Clearing the shooting data

Data chart switching

32	10.2	165.0	2.72	Ammo 6.0mm 0.2g	
31	10.2	166.6	2.78		
30	10.3	164.6	2.71	MAX 20.3 167.5	
29	0.0	164.6	2.71		
28	16.6	165.2	2.73		
27	20.3	165.4	2.74	AVG 11.6 161.0	
26	20.3	165.3	2.73		
25	20.3	165.0	2.72	MIN 10.2 3.3	
24	20.3	166.2	2.76		
23	20.3	165.9	2.75		

8. Tap the icon on the top right of the screen to enter the setting page.

AC6000 BT-1001

No.   RPS   m/s   Joule
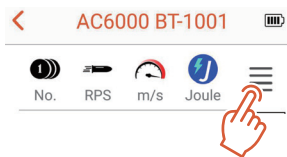
9. The setting page is as follows:
   a) Ammunition can be set.
   b) Updating the device (you can upgrade here if new firmware is released).
   c) Restore to the default.
   d) The current version of the device.
   e) The current serial number of the device.
   f) Device; tap to jump to the homepage.
   g) Records; read the pre-stored shooting data.
   h) Shop; tap to enter the ACETECH homepage.

EN
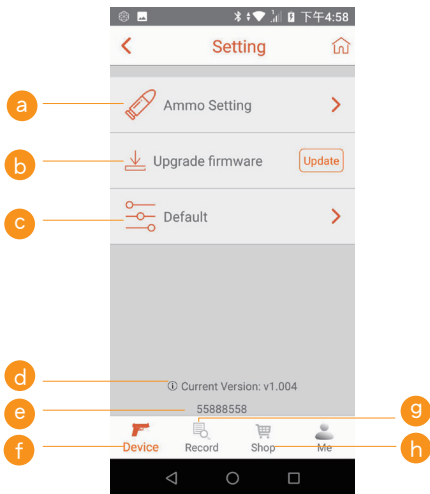
Specifications

1. Muzzle velocity measurement range: 30.00 ~ 400.0 (m/s).
2. ROF(Rate Of Fore) measurement range: 100 ~ 5000 (rounds/minute).
3. The diameter of shooting gate is 36mm, which is suitable for 4.5mm, 6mm, 9mm and 8mm B.B. specifications currently on the market.
4. 1/4" tripod mounting hole.
5. Using 18650 lithium battery.
6. Size: 130 (L) x 108 (W) x 61 (H) mm.
7. Weight: AC6000MKIII BT: 285g (without battery).
   AC6000MKIII BT Exclusive: 317g (without battery).

Warranty

1. Warranty does not include damage from incorrect usage, external force or iquid intruding inside the product.
2. Any incorrect usage caused liquid intruding inside will be not covered by the warranty.
3. Please refer to Acetech official website for the detailed warranty date.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limit s for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment of f and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Warning

The equipment complies with RF exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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