

SPECIAL PIE SC9 Chrono

SC9 Shooting Chronograph User Manual

Precision Measurement for Firearms, Archery, Airsoft, Pellets, Paintball

1. INTRODUCTION

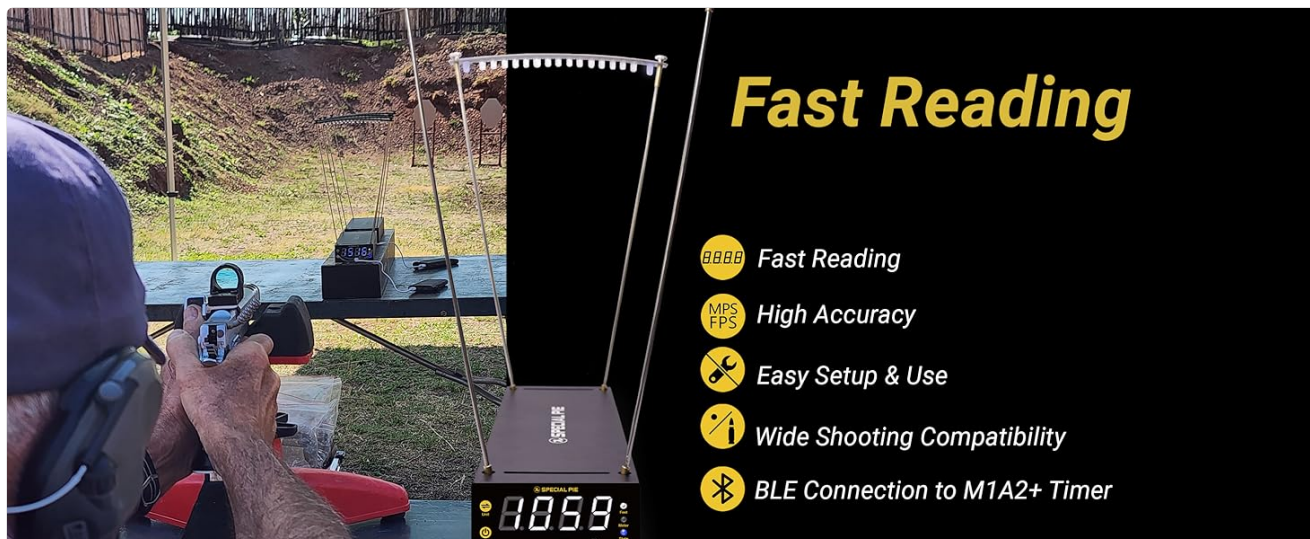
The SPECIAL PIE SC9 Shooting Chronograph is a high-precision device designed for accurate velocity measurement of various projectiles. It provides reliable data for ballistics calculations and performance optimization across a wide range of applications, including firearms, archery, airsoft, pellets, and paintball.

With its rapid measurement capability (0.5 seconds) and broad velocity range (3 fps to 9999 fps), the SC9 Chronograph is an essential tool for enthusiasts and professionals seeking to understand and improve projectile performance.

2. PRODUCT CONTENTS

The SC9 Shooting Chronograph package includes the following components:

- SC9 Chronograph Main Unit
- Type-C Cable (for power supply)
- 4 Support Rods
- 4 Screws
- 2 LED Light Bars



3. SETUP INSTRUCTIONS

3.1 Assembling the Chronograph

1. **Insert Support Rods:** Carefully insert the four support rods into the designated round holes on the main body of the chronograph. Ensure the fluted part of each rod is fully inserted until the golden section is completely inside the holes.



Figure 3.1: Proper insertion of support rods into the main unit.

2. **Install LED Light Bars:** Attach the LED light bars to the top of the support rods using the provided screws. Pay close attention to the 'F' (Front) and 'B' (Back) signs on the light bars and the main body to ensure correct orientation. The lights should be installed facing downward.



Figure 3.2: Correct placement and orientation of the LED light bars.

3. **Power Connection:** Connect the Type-C cable to the chronograph's Type-C port. The chronograph can be powered by a power bank or a standard power supply.
4. **Power On:** Long press the power button for 3 seconds to turn the chronograph on. The display will show "8.8.8.8" and then the Bluetooth ID. If installed correctly, the blue lights on the LED bars will illuminate.



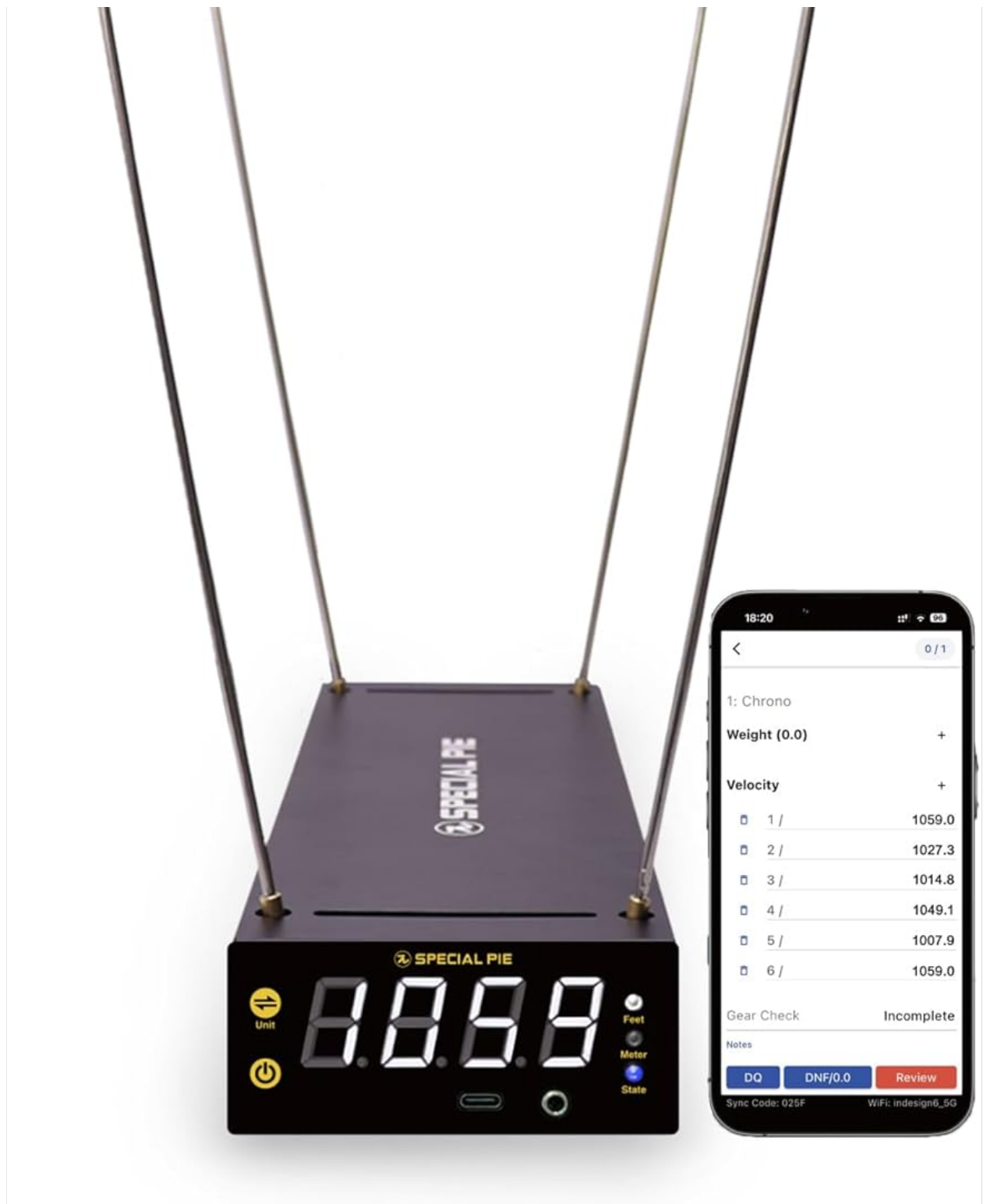


Figure 3.3: SC9 Chronograph ready for operation.

3.2 Connecting to a Shot Timer (e.g., SPECIAL PIE Shot Timer)

1. **Turn on Shot Timer:** Long press the right button on your SPECIAL PIE Shot Timer to power it on.
2. **Automatic Connection:** When the Bluetooth icon and chrono code appear on the shot timer's display, it indicates that the shot timer is automatically connected to the chronograph and ready for use.

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Video 3.1: Installation of SC9 Shooting Chronograph. This video demonstrates the assembly process and initial power-up of the SC9 Chronograph, including connecting it to a shot timer.

4. OPERATING INSTRUCTIONS

4.1 Taking Measurements

Once assembled and connected, the SC9 Chronograph is ready to measure projectile velocities. Ensure the projectile passes through the light bars fully for accurate readings.



Figure 4.1: Example of using the SC9 Chronograph for velocity measurement.

4.2 Understanding Displayed Data

When a projectile passes through the light bars, the chronograph will display the latest single data point, while the

connected shot timer will display multiple data points, including Rate of Fire (ROF), Average Speed (AVG), and individual shot speeds.

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Video 4.1: FAQ of SC9 Shooting Chronograph. This video provides answers to frequently asked questions, including how data is displayed and interpreted.

4.3 Switching Measurement Units

The SC9 Chronograph supports both Feet per Second (FPS) and Meters per Second (MPS) measurement units. You can switch between them using two methods:

1. **Method 1 (Chronograph Unit Button):** Short press the "Unit" button on the chronograph's main body. The corresponding "Feet" or "Meter" light will illuminate, indicating the active unit.
2. **Method 2 (Shot Timer Settings):**
 - Long press the right button on the shot timer to enter the menu.
 - Short press the right button to scroll down and find "Mode". Long press to enter.
 - Short press the right button to scroll down and select "Chronograph". Long press the left button to select.
 - Return to the main menu. Enter "System", then find "Bluetooth". Long press the right button to enter.
 - Long press the left button to choose "MAC" (or "ALL") and the timer will beep.
 - Return to the homepage and wait for 6 seconds. The Bluetooth icon should appear, confirming connection.
 - Long press the settings button on the timer to enter the volume and unit settings.
 - Short press the plus (+) and minus (-) buttons to switch between FPS and MPS. The corresponding light on the chronograph will also switch.
 - Long press the settings button again to return to the homepage.

5. MAINTENANCE

- Keep the chronograph clean and free from dust and debris.
- Store in a dry place when not in use.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods, as this can affect performance.
- Ensure all connections are secure before operation.

6. TROUBLESHOOTING

6.1 No Blue Light on LED Bars

If the LED light bars do not illuminate with blue light when powered on, check the following:

1. **Support Rod Insertion:** Verify that the golden parts of the support rods are completely inserted into their

respective holes.

2. **Light Bar Orientation:** Ensure the 'F' (Front) and 'B' (Back) signs on the light bars and the main body's signs are correctly aligned. The lights should be installed facing downward.
3. **Screw Tightness:** Confirm that the screws securing the light bars to the support rods are tightened sufficiently.

6.2 Timer and Chronograph Not Connecting Automatically

If the shot timer and chronograph fail to connect automatically via Bluetooth, follow the steps outlined in Section 4.3, Method 2, to manually establish the connection.

7. SPECIFICATIONS

Feature	Detail
Brand	SPECIAL PIE
Model Name	SC9 Chrono
Color	Chronograph
Material	Alloy Steel
Velocity Measurement Range	3 fps to 9999 fps
Measurement Time	0.5 seconds
Product Dimensions (D x W x H)	5.9" x 15" x 3.5"
Item Weight	2.5 Ounces
Connectivity	USB-C (power), Bluetooth (to compatible timers)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your SPECIAL PIE SC9 Shooting Chronograph, please refer to the official SPECIAL PIE website or contact their customer service directly. You can also visit the [SPECIAL PIE Store on Amazon](#) for additional resources and contact details.

Protection plans are available for purchase separately:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect: One plan covers all eligible past and future purchases.

