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› Blast Motion Baseball Swing Analyzer (GEN3 Sensor) Instruction Manual

Blast Motion 900-00040

Blast Motion Baseball Swing Analyzer (GEN3 Sensor) Instruction Manual

Model: 900-00040

INTRODUCTION

This manual provides instructions for the setup, operation, and maintenance of your Blast Motion Baseball Swing Analyzer (GEN3 Sensor). The sensor is designed to capture and analyze baseball swing metrics, providing real-time feedback through the Blast Baseball smartphone application.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Blast Baseball Swing Analyzer (GEN3 Sensor)
- Universal Bat Attachment
- Wireless Charger
- USB Charging Cable
- Smart Bat Insertion Key

WHAT'S INCLUDED



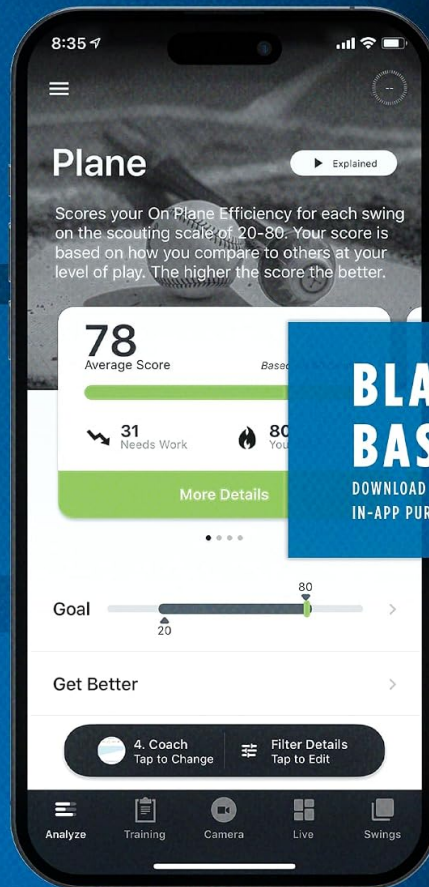
SENSOR



ATTACHMENT



CHARGER & CABLE



BLAST BASEBALL APP

DOWNLOAD FOR FREE ON ANDROID & IOS
IN-APP PURCHASES APPLY WITH PREMIUM SERVICES.

*PHONE NOT INCLUDED

Figure 1: Included components of the Blast Motion Baseball Swing Analyzer.

SETUP

1. **Charge the Sensor:** Place the Blast Motion sensor on the wireless charger. Connect the charger to a power source using the provided USB cable. The sensor will indicate charging status.
2. **Install the Blast Baseball App:** Download and install the "Blast Baseball" application from your device's app store (compatible with iOS and Android).
3. **Account Setup and Sensor Pairing:** Open the app, create an account, and follow the on-screen instructions to pair your Blast Motion sensor with your smartphone or tablet.
4. **Attach Sensor to Bat:** Securely attach the sensor to the knob of your baseball bat using the universal attachment. Ensure the sensor is firmly seated. The Smart Bat Insertion Key can assist with proper placement.



Figure 2: Steps for charging the sensor and attaching it to a bat.

Once the sensor is attached, no further calibration is required. The system uses natural motion capture technology.

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Video 1: Demonstrates the functionality and setup of the Blast Motion Baseball Swing Analyzer.

OPERATING INSTRUCTIONS

The Blast Baseball app provides real-time feedback and analysis of your swings. Ensure your sensor is connected to the app before beginning your training session.

Swing Analysis

The sensor automatically captures and analyzes each swing. Key metrics displayed in the app include:

- **Bat Speed:** The total speed of the barrel at impact.
- **Attack Angle:** The angle at which the barrel approaches the ball at impact.
- **Time to Contact:** The duration measured from the start of the downswing to impact.

WHAT'S MEASURED IN THE IMPACT METRICS?

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BAT SPEED

The total speed of the barrel at impact.



ATTACK ANGLE

The angle that the barrel approaches the ball at impact.



TIME TO CONTACT

The time measured from the start of the downswing to impact.

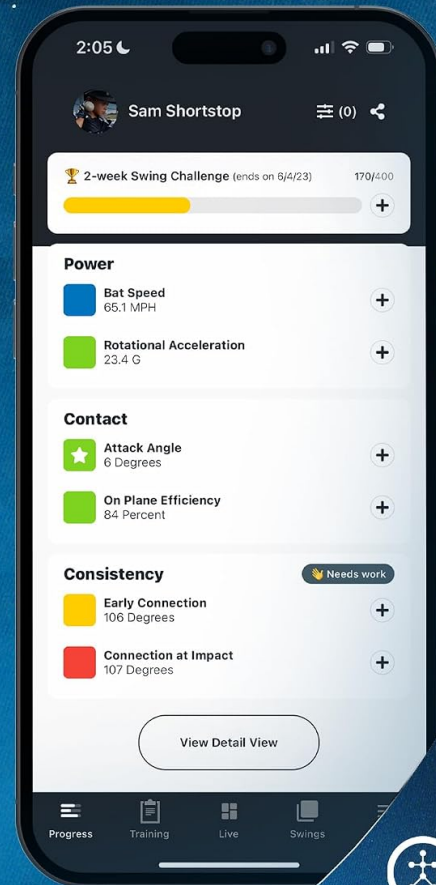


Figure 3: Core swing metrics displayed in the Blast Baseball app.

Advanced Metrics and Features (Premium Subscription)

A Blast membership (subscription) unlocks additional features and advanced metrics. These may include:

- **3D Swing Tracer:** Replay swings from any angle for detailed visual analysis.
- **Video Capture:** The app can record your hitting session and automatically clip video highlights of each swing with overlaid metrics.
- **Additional Swing Metrics:** Such as On Plane Efficiency, Rotational Acceleration, Early Connection, and Connection.
- **Ball Flight Metrics (iOS only):** Exit Velocity, Launch Angle, and Distance.

WHAT'S MEASURED WITH A PREMIUM SERVICES SUBSCRIPTION?

*IN-APP PURCHASE NECESSARY

SWING METRICS

The Blast sensor captures swing metrics that measure pre-impact swing mechanics centered around plane, connection, and rotation.



On Plane Efficiency



Rotational Acceleration



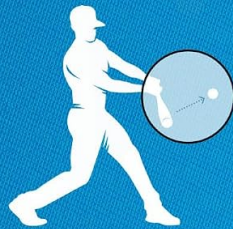
Early Connection



Connection

BALL FLIGHT

Blast iQ powered machine vision measures the post-impact results of your swing, allowing you to visualize your ball flight. (available on iOS only)



Exit Velocity



Launch Angle



Distance

PREMIUM

Swing Quality Scores, Swing Metrics, and Ball Flight Metrics require a coach or player Premium Services (Blast Connect) Subscription.



Figure 4: Premium metrics and features requiring a subscription.

Air Swings Mode

Utilize Air Swings mode for training without a ball, allowing practice anywhere, anytime, and year-round skill improvement.

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Video 2: Overview of the Blast Motion Baseball Swing Analyzer's benefits and features.

MAINTENANCE

- **Charging:** Recharge the sensor regularly using the provided wireless charger and USB cable to ensure optimal performance.
- **Cleaning:** Wipe the sensor and attachment with a soft, dry cloth to remove dirt or debris. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the sensor and its components in a cool, dry place when not in use. Protect it from extreme temperatures and direct sunlight.
- **Attachment Care:** Periodically inspect the universal bat attachment for wear and tear. Replace if damaged to ensure secure sensor placement.

TROUBLESHOOTING

If you encounter issues with your Blast Motion Baseball Swing Analyzer, consider the following:

- **Sensor Not Connecting:**

- Ensure the sensor is charged.
- Verify Bluetooth is enabled on your device.
- Restart the Blast Baseball app and attempt to reconnect.
- Ensure the sensor is within range of your device.

- **Inaccurate Readings:**

- Confirm the sensor is securely attached to the bat knob.
- Ensure the bat attachment is not loose or damaged.
- Check for any obstructions between the sensor and the bat.

- **App Freezing or Crashing:**

- Close and restart the app.
- Ensure your device's operating system and the Blast Baseball app are updated to the latest versions.
- Clear the app's cache (if applicable for your device).

- **No Data Recorded:**

- Confirm the sensor is powered on and connected to the app.
- Ensure you are performing a full swing motion for the sensor to detect and record data.

For further assistance, refer to the official [Troubleshooting Guide \(PDF\)](#) or contact Blast Motion support.

SPECIFICATIONS

Feature	Detail
Brand	Blast Motion
Model Number	900-00040
Item Dimensions (L x W x H)	1 x 6 x 12 inches
Material	Plastic
Output Type	Digital
Connectivity	App Enabled (iOS / Android)
GTIN / UPC	854438005331

WARRANTY

The provided product information does not include specific warranty details. Please refer to the official Blast Motion website or contact their customer support for warranty information.

SUPPORT

For additional support, product registration, or to access the latest user guides and FAQs, please visit the official Blast Motion website or utilize the help resources within the Blast Baseball application.

Official User Guide (PDF): [Download Here](#)
