

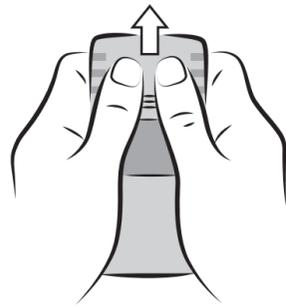
POCKET RADAR

BALL COACH™

QUICK START GUIDE

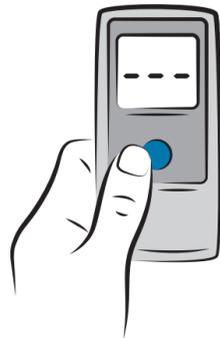


BATTERY INSERTION AND GETTING STARTED



INITIAL SETUP

- Remove the battery cover from the back of the Ball Coach™. Insert the batteries in the direction indicated by the polarity marks inside the battery compartment and replace the cover.
- Remove the clear plastic sticker that covers the blue button and display on the front of the unit and the yellow sticker from the back of the unit.



INSTANT ON

- The Ball Coach™ will turn itself on and continue measuring ball speeds as long as you HOLD the blue button down.
- When the Ball Coach™ picks up a ball in flight, it will display the speed. Release the blue button and the speed will display for up to 30 seconds. If no ball was measured, the display will show "- - -".
- Do not worry about clearing the display before making a new measurement. Once you begin holding the blue button down for a new measurement, the display will be cleared.



RECALL READINGS

- To recall the last 25 readings, simply TAP the black MODE/RECALL button. Each time the button is tapped, it will display the previously recorded speed, most recent first. A single dash "-" indicates that you have reached the end of the list.

AUTOMATIC SHUT-OFF

- The Ball Coach™ continues to display the last speed until the button is pushed again or it will automatically turn itself off after 30 seconds of inactivity.

MEASURING BALL SPEED

The Ball Coach™ Automatically Finds the Fastest Speed of a Ball in Flight

HITTING

To capture Ball Exit Speed off the bat, hold the button down well before the ball is hit and release the button after the speed is displayed. This will show the fastest speed of the ball right as it leaves the bat.

PITCHING

Hold the button down well before the ball is released, and let go of the button when the speed is displayed. This will show the fastest speed of the pitch right out of the hand.



[SEE: "HOW TO USE THE BALL COACH™" SECTION FOR MORE DETAILS]

AUTOMATIC TRIGGER / PERSONAL TRAINING MODE

The Ball Coach™ can easily measure Pitch Speed and Ball Exit Speed off the bat without having to manually trigger the button. To access this mode, hold down the black MODE/RECALL button until "CO" appears. Release the button to select Constant-On mode. Make sure to have someone hold and aim the Ball Coach™, or train by yourself using a smart phone tripod mount to set it up for hands-free operation. The Ball Coach™ will automatically pick up the speed of the ball, display it for 3 seconds, and then store it in the memory. Pressing either button will exit out of Constant-On mode. Then tap the MODE/RECALL button to review up to the previous 25 speed measurements.

IMPORTANT: Battery life will be substantially shorter in Constant-On mode. A brand new set of high quality alkaline AAA batteries should last over an hour in this mode. We recommend you purchase "NiMH" rechargeable AAA batteries if you plan on using the Ball Coach™ in Constant-On mode.

[SEE OTHER SIDE FOR MORE DETAILS]

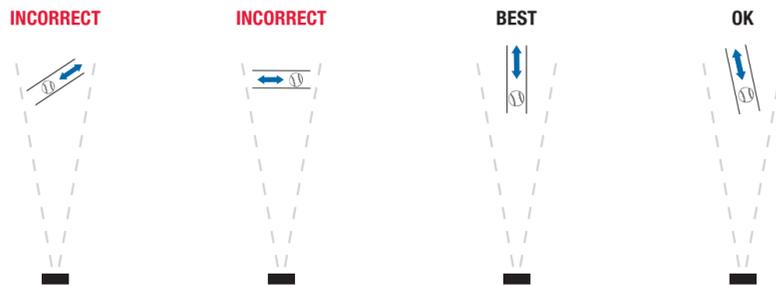
HOW TO HOLD & AIM

The Ball Coach™ Measures From the Back, Like a Camera Phone

SIDE VIEW



TOP VIEW

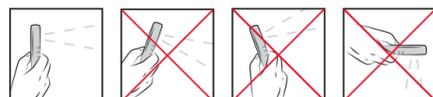


VERTICAL IS CRITICAL

- The Ball Coach™ makes a measurement by sending out very low power radio waves and looking for them to bounce off a moving object. These radio waves are focused in a small cone shaped like a flashlight beam which comes out of the raised square on the back of the Ball Coach™ (the radar lens).
- Hold the Ball Coach™ straight up and down vertically like a camera phone with the radar beam pointing in-line with the path of the ball.
- If you tilt the Ball Coach™ down slightly, the beam may end up pointing into the ground and missing the ball.
- Do not block the radar lens.

WATCH YOUR ANGLES

- All Doppler speed radar technology measures objects moving in-line with the radar beam, not perpendicular. To get the most accurate readings, make sure the path of motion is within the narrow radar beam cone (about the shape of a focused flashlight beam). Tilting the Ball Coach™ too far up or down may also cause the beam to miss the moving object.



Important to keep unit straight up-and-down. Do not tilt.



Keep the radar lens clear of any objects.

KNOW YOUR BALL COACH™

Displays Speed or Mode

Displays Remaining Battery Life

Tap button to recall up to previous 25 speeds. Hold button down to cycle through modes. Release button when desired mode is displayed.

Indicates When the Radar Beam is Active

Displays Units of Measurement

Hold button down well before ball is in flight. Release when speed appears

Very low power radio waves are emitted from this radar lens in a narrow cone about the shape of a focused flashlight beam.

Battery compartment for 2 AAA alkaline batteries or rechargeable NiMH batteries



FRONT



BACK

HOW TO USE THE BALL COACH™

Advanced Measurement Details

The Ball Coach™ is specifically designed to measure the speed of a ball in flight, and find the fastest speed right out of the hand or right off the bat. As soon as you begin holding down the BLUE button, the radar beam is activated. As long as you HOLD the BLUE button down, the radar will continue to search for the speed of a ball. As soon as the Ball Coach™ picks up the speed of a ball in flight, it will display that speed. In order to capture the fastest speed right out of the hand or right off the bat, it is important to begin to HOLD down the BLUE button sometime before the ball is in flight. Release the BLUE button once the speed is displayed.

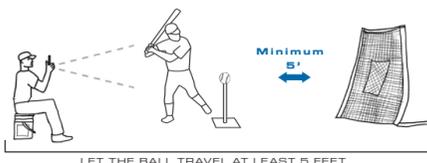


HOLD BUTTON DOWN DURING ENTIRE PITCHING MOTION

BALL COACH™ FOR PITCHING

To accurately measure Pitch Speed, make sure the radar beam lines up directly with the path of the ball. Being too far off to the side or allowing the Ball Coach™ to tilt down slightly in your hand may result in a low or missed speed reading. Once the radar beam is positioned directly in line with the path of the ball, begin holding down the BLUE button as the pitcher starts their motion. Do not release until the speed appears on the display. You have just measured the fastest speed of the ball right out of the pitcher's hand.

IMPORTANT NOTE: Release the BLUE button as soon as the Pitch Speed appears to avoid also measuring the Ball Exit Speed of a hit



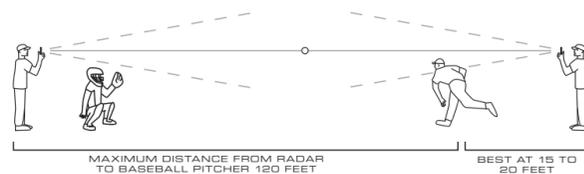
BALL COACH™ FOR HITTING OFF A TEE OR SOFT TOSS

The Ball Exit Speed off the bat is a direct measure of the power of a hit. To accurately measure the Ball Exit Speed off the bat, make sure the radar beam lines up directly with the path of the ball. Allowing the Ball Coach™ to tilt down slightly in your hand may result in the ball not being in the radar beam at the point of contact. Once the radar beam is positioned directly in line with the path of the ball, begin holding down the BLUE button as the hitter starts their motion. Release the button well after the ball is hit. The most consistent and accurate measurement of the Ball Exit Speed off the bat occurs during a well hit line drive.

BALL COACH™ FOR HITTING WITH LIVE PITCHING

The Ball Coach™ is always looking for the fastest speed when it makes a measurement. To measure both Pitch Speed and Ball Exit Speed, HOLD down the BLUE button through the entire sequence. The first number that appears will be the Pitch Speed. If the Ball Exit Speed off the bat is faster than the pitch speed, it will be displayed after a short delay. A well hit line drive should be faster than the incoming Pitch Speed.

IMPORTANT NOTE: If the Ball Exit Speed of the hit is SLOWER than the incoming Pitch Speed, then only the Pitch Speed will be displayed.



HOW TO SELECT MODES

To select mode of choice, hold the MODE/RECALL button down constantly, and every 2 seconds it will cycle through to the next mode. Release button to execute the displayed mode.

YOU CAN SELECT FROM:

- "CON" = Constant-on / Automatic Trigger
- "CLR" = Clear Recall Memory
- "UNT" = Change Units
- "OFF" = Immediate Shut Down



Releasing the button when this is displayed will put the Ball Coach™ into Automatic Trigger / Personal Training Mode. (Note: Battery life will be substantially shorter in Constant-On mode).



Releasing the button when this is displayed will clear all of the recall memory. (Note: If you do not want to clear memory, continue holding the button down).



Releasing the button when this is displayed will cause the units to flash. Pressing the BLUE button will toggle between MPH or KPH. Tap the MODE/RECALL button to lock in choice.



Releasing the button when this is displayed will immediately shut off the Ball Coach™. (Note: It will also automatically shut off after 30 seconds of inactivity).

CAUTION:

ALWAYS REMEMBER TO STAY SAFE WHEN MEASURING. NEVER PUT YOURSELF IN A PLACE WHERE YOU COULD BE STRUCK BY A MOVING OBJECT. WHEN POSSIBLE, MEASURE OBJECTS MOVING AWAY FROM YOU, RATHER THAN TOWARDS YOU.

INTERFERENCE

- The Ball Coach™ is an extremely sensitive and accurate motion detector. Many everyday items may have unseen internal moving parts or may produce electrical interference that can generate false ghost readings.
- The Ball Coach™ has software designed to ignore most of these false ghost readings, but you need to be aware of things in your environment that may cause interference.
- One technique to test for interference is to make a measurement in the same direction with no obvious object in motion and see if you get a speed reading.



Appliances



Fan Motion



Computers



Cell Phones



Microwaves



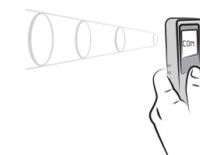
Florescent Bulbs

AUTOMATIC TRIGGER / PERSONAL TRAINING MODE

Constant-On Feature Perfect For Coaching and Player Training

HOW TO ACCESS

Automatic Trigger / Personal Training Mode allows for speed measurement without having to manually trigger. To access, hold down the black MODE/RECALL button for 2 seconds, until "CON" is displayed, and then release. The Ball Coach™ is now in Constant-On mode, and it will automatically capture speed readings without having to be manually triggered. Position the radar beam directly in line with the path of the ball, either going away or coming towards you. Make sure it is held up vertical either by hand or use a smart phone tripod mount to set it up for hands-free operation. Tapping either button will take the Ball Coach™ out of Constant-On mode and return it to manual trigger mode.



HOW IT WORKS

Automatic Trigger / Personal Training Mode provides easy measurement of Pitch Speed, Ball Exit Speed off the bat, or both speeds in the same sequence. Once entered, a flashing "CON" will appear and continue to display on the screen until a speed between 25 and 130 MPH is picked up. After 3 seconds, the speed will disappear from the display, and a flashing "CON" will reappear. If you are measuring Pitch Speed and Ball Exit Speed in the same sequence, the fastest speed of the two will continue to display for 3 seconds. If the Ball Exit Speed of the hit is faster than the incoming Pitch Speed, then both speeds will be stored in the RECALL memory. After 5 minutes of inactivity, the unit will automatically shut off.

IMPORTANT: BATTERY LIFE

Battery life will be substantially shorter in Constant-On mode. A brand new set of high quality alkaline AAA batteries should last over an hour in this mode. We recommend you purchase "NIMH" rechargeable AAA batteries if you plan on using the Ball Coach™ in Constant-On mode.

TRAINING TIPS

MEASURE >> TRAIN >> IMPROVE

FOR THE FIRST TIME, SEE IMMEDIATE RESULTS OF YOUR COACHING AND TRAINING



PROVIDE INSTANT FEEDBACK WHILE OBSERVING MECHANICS AT THE SAME TIME

TRAIN WITH MEASURABLE RESULTS AT HOME AND PRACTICE

PITCHING

• BUILD MUSCLE MEMORY AND FIND THE IDEAL SPEED RANGES BETWEEN FASTBALLS AND OFF-SPEED PITCHES

• ESTABLISH IDEAL MECHANICS THAT WILL INCREASE VELOCITY AND STRIKEOUT RATES.

HITTING

• BALL EXIT SPEED OFF THE BAT IS A DIRECT MEASURE OF THE POWER OF A HIT. EVERY 1 MPH INCREASE = 5 EXTRA FEET OF DISTANCE.

• FIND THE RIGHT BAT SIZE THAT WILL PROVIDE THE MOST POWER AND CONSISTENCY FOR ANY SWING.

Check out PocketRadar.com/BallCoach for tips, drills, and videos.

SPECIFICATIONS

- Range: ball speed from 120 feet away
- 25 to 130 MPH (Accuracy +/- 1 MPH)
- 40 to 209 KPH (Accuracy +/- 2 KPH)
- Recall Memory: 25 speed readings
- Size: 4.7 x 2.3 x 0.8 inches
- Weight: 4.5 ounces with batteries
- Battery Life (Typical Use):
 - Manual Trigger Mode > 2,000 readings
 - Constant-On Mode > 1 hour with 2 new alkaline AAA batteries (included) or 2 new NIMH rechargeable batteries (not included)
- NOTE: This product will not give accurate readings on vehicles moving less than 25 mph.



PocketRadar.com

Make sure to visit PocketRadar.com for more details, tips, training drills, videos, support, FAQs, and more. If you ever have any questions please contact us at Support@PocketRadar.com or call toll-free in the U.S. at 888-381-2672.

SUPPORT

We are happy to help. If you have any questions, concerns, or need any assistance, please contact us at:

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