QUICK START

GUIDE

EVERYTHING YOU NEED TO KNOW TO
CAPTURE SPEED IN THE PALM OF YOUR HAND

INITIAL SETUP
– Remove the battery cover from the back of the Pocket Radar. 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 red button and display on the front of the unit and the yellow sticker from the back of the unit.

RECALL READINGS
– To recall up to the last ten measurements, simply press the black RECALL button. Each time the button is pressed it will display a previously recorded speed, most recent first. A dash indicates that you have reached the end of the list.

AUTOMATIC SHUT-OFF
– The Pocket Radar continues to display the last speed until the button is pushed again or it will automatically turn itself off after 30 seconds of inactivity.

VERTICAL IS CRITICAL
– The Pocket Radar 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 Pocket Radar (the radar lens).
– Hold the Pocket Radar straight up and down vertically like a camera phone with the radar beam pointing in-line with the path of the moving object.
– If you tilt the Pocket Radar down, the beam may end up pointing into the ground and missing the moving object.
– Do not block the radar lens.

WATCH YOUR ANGLES
– All Doppler 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 Pocket Radar too far up or down may also cause the beam to miss the moving object.

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.

HOW TO HOLD & AIM
The Pocket Radar Measures From the Back, Like a Camera Phone

SIDE VIEW

TOP VIEW

RADAR BEAM

INCORRECT

INCORRECT

BEST

OK

DOWNLOAD SPEED OF A MOVING OBJECT

DISPLAYS REMAINING BATTERY LIFE

DISPLAYS UNIT OF MEASUREMENT

RECALL BUTTON

DISPLAYS THE LAST 10 MEASUREMENTS FROM THE UNIT’S MEMORY

TAPPING THE RED BUTTON TELLS THE UNIT TO MAKE A QUICK SPEED MEASUREMENT

KNOW YOUR RADAR

THE BASICS

WHEN TO HIT THE BUTTON

QUICK MOTION MEASUREMENT
To capture the fastest speed of an object that will be traveling for a short period of time, such as a baseball pitch, soccer ball kick, or a slap shot in hockey, aim the Pocket Radar and simply tap the RED button somewhere around halfway through the throwing, kicking, or hitting motion. This is well before the object is released, kicked, or struck.

CONSTANT MOTION MEASUREMENT
To accurately monitor the speed of an object constantly in motion, such as a car or runner, simply aim the Pocket Radar and hold the RED button down continuously. The Pocket Radar will update and record the speed approximately every 3/4 second until the button is released. This is like having a speedometer on the moving object. Review the acceleration over time by using the RECALL button.

THINGS TO KNOW

DISPLAYS SPEED
OF A MOVING OBJECT

INDICATES WHEN THE RADAR BEAM IS ACTIVE

DISPLAYS REMAINING BATTERY LIFE

DISPLAYS UNIT OF MEASUREMENT

RECALL BUTTON

DISPLAYS THE LAST 10 MEASUREMENTS FROM THE UNIT’S MEMORY

TAPPING THE RED BUTTON TELLS THE UNIT TO MAKE A QUICK SPEED MEASUREMENT

VERY LOW POWER RADIO WAVES ARE EMITTED FROM THIS RADAR LENS IN A NARROW CONE ABOUT THE SHAPE OF A FOCUSED FLASHLIGHT BEAM.

BATTERY DOOR CONTAINING 2 AAA BATTERIES SUPPLYING POWER FOR OVER 10,000 MEASUREMENTS

FRONT

BACK
BASEBALL PITCHING EXAMPLE

QUICK TIP
When measuring a baseball pitch, if you tap the RED button when the pitcher’s front foot is just about to hit the ground you will get the release speed out of the hand. If you need help with troubleshooting, contact us at Support@PocketRadar.com or call toll-free in the U.S. at 888-381-2672. We are happy to help. If you have any questions, concerns, or need any assistance, please contact us at Support@PocketRadar.com or call toll-free in the U.S. at 888-381-2672.

KEY SPECIFICATIONS

• Battery Life: >10,000 readings with 2 AAA alkaline batteries
• Weight: 4.5 ounces with batteries
• Size: 4.7 x 2.3 x 0.8 inches
• Operating Frequency: K-band (24.125 GHz)
• Speed Measurement Ranges:
  - 7 to 375 miles per hour (MPH) (+/- 1 MPH)
  - 11 to 600 kilometers per hour (KPH) (+/- 2 KPH)
  - 10 to 550 feet per second (FPS) (+/- 2 FPS)
  - 3 to 168 meters per second (MPS) (+/- 1 MPS)
• Interference
  - Microwaves – Fan Motion
  - Cell Phones – Fire experience thin
  - Computers – Low
  - Fluorescent Bulbs
• Measurement Units:
  - MPH = Miles per Hour
  - FPS = Feet per Second
  - MPS = Meters per Second
  - KPH = Kilometers per Hour
• IMPORTANT TO KNOW
  - The Pocket Radar is an extremely sensitive and accurate motion detector. Many everyday items may have unused internal moving parts or may produce electrical interference that can generate false readings.
  - The Pocket Radar has software designed to ignore most of internal false 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 object in motion and see if you get a speed reading.

INTERFERENCE

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TROUBLESHOOTING

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POCKETRADAR.COM

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