Doppler Radar Unit-to-Ball & Ball-to-Net Spacing Spec Sheet

> **Companion Reference Sheet for:** Radar Launch Monitor Distance: Mark the Ball and Unit
> Save this PDF to your phone or print a copy for field reference. Verify room measurements and manufacturer specs before buying or mounting equipment.

Key Takeaways

- **How do you measure the distance between the radar unit and the ball?** Measure from the manufacturer's reference point on the unit to the ball's normal address position, in a straight line along the target line.
- **Does every radar launch monitor need a marked ball?** No. Requirements depend on the monitor and the measurement: the Rapsodo MLM2PRO requires approved RPT balls for spin rate and spin axis, while Garmin Approach R10 supports Titleist RCT balls for spin rate.
- **How much room does a radar setup need?** Add the unit to ball distance to the ball to screen distance, then budget separately for the unit's rear clearance, screen structure, and safe swing space.
- **Can radar work with limited indoor ball flight?** It can record shots, but short flight may limit the information radar can capture directly and affect some derived readings.
- **What should you mark?** Mark the unit's position and the ball's hitting position on the floor. Those marks help keep setup geometry consistent between sessions.
- We explain the basic room planning in our home golf simulator setup guide.

How Radar and Camera Launch Monitors Track a Shot

Radar model	Unit to ball placement	Ball to net or screen guidance	Combined minimum monitor to screen span
Garmin Approach R10	6 to 8 feet behind the ball	At least 8 feet	At least 14 to 16 feet before additional clearance
Rapsodo MLM2PRO	Follow model placement guidance	Follow model placement guidance	Follow model placement guidance

Marking the Ball, Unit, and Hitting Position

Planning measurement	Example calculation	What it tells you
R10 unit to screen span	6 to 8 feet + at least 8 feet = at least 14 feet, with the minimum rising to 16 feet at the farthest placement	Monitor position to screen, before other room allowances
MLM2PRO unit to screen span	Follow model placement guidance	Use model guidance for unit and ball to screen spacing
Total room depth	Rear clearance + unit to ball + ball to screen + screen structure	Room boundary to room boundary, with safe use space included

Radar Launch Monitor Setup Checklist

- ☐ Read the setup instructions for the exact monitor and operating mode.
- ☐ Identify the unit’s official measurement reference point.
- ☐ Mark the radar position and the ball position on the floor.
- ☐ Measure unit to ball and ball to screen as separate distances.
- ☐ Align the unit to the target line and level it as directed.
- ☐ Use the required ball pattern or type for the data you want to capture.
- ☐ Plan room depth, width, screen structure, and swing clearance separately.
- ☐ Test the setup with one club and a consistent ball before comparing results.

See also: launch monitor buying guides, outdoor launch monitor range conditions.

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