RESOURCE

Plan a Home Golf Simulator Room

Planning a home golf simulator room well means turning a real, measured space into a set of numbers you can actually check against your equipment plans, rather than eyeballing a room and hoping it works out. This resource walks through what to measure, how to read a fit result, and why no generic diagram or default clearance number can substitute for your own verification.

What to measure, and why each number matters

Room width and depth define your basic floor footprint; ceiling height determines whether a full, natural swing is even possible without hitting a fixture or beam. Your hitting position and handedness determine which side of the room your swing radius extends toward, which matters when the room is not symmetric. Impact-zone buffers (side, top, and rear) define how much safety margin you want around your screen or net. Screen opening dimensions determine what image size is even physically possible. Monitor footprint determines whether your launch monitor's required placement conflicts with anything else in the room. Each of these numbers feeds a different tool on this site, and skipping one usually means discovering the gap only after a purchase.

Fits, conditional fits, and non-fits, explained

The room fit checker returns one of three states for each dimension you test. A fit means your available space clears your required minimum with margin to spare. A conditional fit means a dimension exactly equals its minimum, with zero margin, which is not automatically a failure but is a strong signal to re-measure that specific dimension by hand before committing money, since a typed decimal is less trustworthy than a tape measure held against the actual wall. A non-fit names the exact dimension and shortfall, so you know precisely what would need to change, whether that is a smaller screen, a different wall, or accepting a shorter buffer.

Why every manufacturer requirement must be entered and verified by you

No tool on this site infers a clearance requirement, a swing radius, or a device placement specification on your behalf. Every one of those numbers depends on details this site cannot know: your specific swing plane, your exact clubs, and your specific launch monitor or projector's own documented requirements. Treating a generic formula as authoritative here would produce a false sense of certainty that could lead to an unsafe or simply unworkable setup. The responsible approach is to gather your equipment's actual manufacturer specifications and your own measured swing clearance, then test those real numbers against your real room using these tools.

A measurement checklist

- Room width, depth, and ceiling height, measured at the actual hitting location, not just the room's overall dimensions.
- Your own swing clearance on both the follow-through and backswing sides, measured by actually swinging a club (or an alignment stick) in the space.
- The candidate screen or net opening's width and height, and any structural framing that reduces the usable opening.
- Your specific launch monitor's required placement distance, lateral tolerance, and footprint, from its own manual.
- Any obstructions: light fixtures, ceiling fans, support beams, or door swings that intrude on the hitting or impact area.

A worked dimensional example

Consider a garage bay measuring 16 feet wide, 22 feet deep, with a 9-foot ceiling. You decide your swing and setup needs at least 14 feet of width, 20 feet of depth, and 8.5 feet of ceiling clearance. Entering these into the room fit checker returns a fit on all three dimensions, with the ceiling margin being the tightest at half a foot. That tells you the ceiling is the dimension to double-check most carefully in person, since it has the least room for measurement error.

An accessible diagram, in table form

Every visual on the room-fit and layout tools ships with a table alternative showing the same dimensions, margins, and status, so the information is available whether or not the graphical version works for you. There is no diagram-only requirement anywhere on this site.

This is not a safety approval

Nothing on this site issues a safety certification for your room or build. These tools check the numbers you provide against each other; they do not inspect your actual space, verify your swing, or guarantee that a "fits" result means a safe setup in practice. Confirm your final plan against your own judgment, your equipment's official documentation, and any applicable local safety requirements before finalizing a build. From here, continue to the screen planner, impact zone planner, launch monitor placement planner, hitting bay layout planner, and multi-use room planner once your basic room numbers are settled.