



Low-Voltage Pre-Wire Checklist

For General Contractors & Site Superintendents

Structured wiring for networks, whole-home audio & video, lighting control, and home theater should all be roughed in before drywall goes up. We encourage you to use this checklist during framing and rough-MEP to make sure the right conduit, boxes, and cable runs are in place — whether or not Wilshire Media Systems is your audio/video system integrator on the project.

When is the best time to pre-wire? As soon as MEPs are 90% complete, but before the rough-MEP inspection is scheduled. Questions? Contact us at **805.497.1179 x 320** or info@wilshirehe.com.

Structured Cabling Backbone

- ☐ Identify Demarcation point. Run conduit from DMARC to DMARC panel. Run conduit from DMARC panel to central equipment location(s).
- ☐ Central equipment location identified (closet, garage wall, or rack space) with dedicated power circuit(s).
- ☐ Cabling from equipment location to every TV, access point, and touch-panel location.
- ☐ Conduit or sleeve from equipment location to attic and/or crawlspace when appropriate.

TV & Home Theater Locations

- ☐ Recessed flat panel box for power and low-voltage behind each planned TV location. Use a preconstruction bracket when possible.
- ☐ Structured cabling (HDMI, Cat6) from TV to equipment if TV is not wall-adjacent to equipment.
- ☐ In-wall/in-ceiling speaker locations marked and preconstruction brackets installed if in-wall or invisible speakers are planned.
- ☐ Dedicated theater/media room: power for projector power audio/video cables to equipment location if applicable.

Whole-House Audio

- ☐ In-ceiling speaker locations marked per room/zone (kitchen, primary suite, patio, etc.).
- ☐ In-wall/in-ceiling speaker locations marked and preconstruction brackets installed if in-wall or invisible speakers are planned.
- ☐ Low-voltage speaker wire home-runs from each zone back to equipment location (or amplifier location).
- ☐ Outdoor/patio speaker locations identified with weather-rated conduit to go under hardscape.



Lighting & Shade Control

- ☐ Work with the electrician to coordinate low-voltage control wiring runs between equipment locations, lighting control panels and keypads.
- ☐ Review lighting schedule with electrician or contractor to ensure device count is accurate and devices are compatible.
- ☐ Motorized shade locations identified; low-voltage shade wiring run to each shade location.
- ☐ Keypad/touch panel locations marked at room entries, coordinated with lighting control locations.

Networking & Wi-Fi

- ☐ Access point locations identified (typically ceiling-mount) with appropriate wiring home-run to equipment location.
- ☐ Outdoor/detached structure network runs (guest house, pool house, garage) identified early — these require trenching/conduit before hardscape.
- ☐ Equipment location has adequate ventilation and is not in an enclosed, unconditioned space.

Security & Access Control

- ☐ Coordinate door/gate access control conduit run to each controlled entry point.
- ☐ Camera locations wired with Cat6 or better (PoE preferred).
- ☐ Hardwired alarm panel network connection coordinated with the security company.

Site Coordination

- ☐ Low-voltage rough-in scheduled to follow electrical rough-in.
- ☐ Fire-rated conduit/materials used where required by local code.
- ☐ Equipment closet/rack location confirmed to have HVAC or ventilation consideration.
- ☐ Photos taken or 360 degree scan completed by contractor of all in-wall/in-ceiling runs before drywall, for future reference.

Questions on any item above, or want a second set of eyes on your rough-in before it's inspected? Call us at 805.497.1179 — we're happy to do a quick walkthrough at no cost, even if you're using another audio/video sub for your project.

Founded in 1954, Wilshire Media Systems has delivered exquisite design and smart technology for homes and businesses for over 70 years!

