



Fishing Wires In Empty Inside Walls

FISHING WIRES INSIDE WALLS

IN EMPTY (INSIDE) WALLS

1. DOWN, FROM THE TOP PLATE TO THE BASE OF THE WALL, ON CONCRETE FLOOR

How to proceed:

- 1. In the attic, drill a hole in the top plate with the selected drill bit (**Spear-Zit**, (**Freeform**, or **Pro-Bore(r)**).
- 2. Attach the "stop ring" to one end of the ball chain of the **WR24**; drop the chain in the drilled hole.
- 3. In the room, remove the baseboard and drill a hole at the base of the wall.
- 4. Bend the flexible retriever of the WR24 and insert in the hole. Move it left to right until the magnet catches the ball chain.
- 5. Bring the ball chain to the hole; with the **LBS** (or the **Hook-Zit 9"**) pull the chain out. Attach the wire to the chain. (If pulling coax cable or large wires, attach a nylon pull cord to the chain, then the cable to the pull cord.)
- 6. From the top plate, pull the ball chain and the wire.

(Hint: with concrete floors, run the wire behind the baseboard or between baseboard and tack strip if there is carpet.)

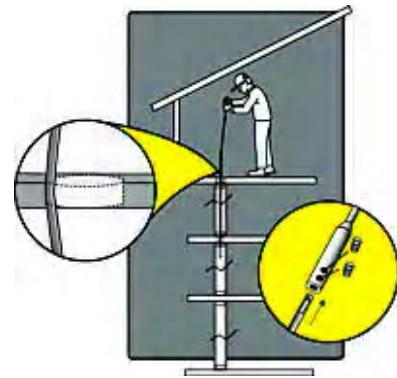
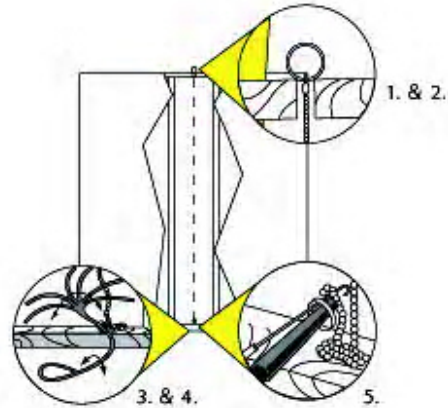
2. DOWN, FROM THE TOP PLATE TO THE CRAWL SPACE OR UNFINISHED BASEMENT

How to proceed:

- 1. In the attic, drill a hole in the top plate with the selected drill bit.
- 2. Attach the "stop ring" to one end of the ball chain of the WR24; drop the chain in the drilled hole.
- 3. Instead of pulling down the molding, this time drill up through the bottom plate from the basement or crawl space.
- 4. Keep the flexible handle of the WR24 almost straight, with just a light bend on the magnet side. Insert the drilled hole and fish the ball chain.
- 5. Bring the ball chain to the hole; with the **LBS** (or the **Hook-Zit 9"**) pull the chain out. Attach the wire to the chain. (If pulling coax cable or large wires, attach a nylon pull cord to the chain, then the cable to the pull cord.)
- 6. From the top plate, pull the ball chain and the wire.

(Hint: with concrete floors, run the wire behind the baseboard or between baseboard and tack strip if there is carpet.)

3. MULTIPLE CABLE RUNS, DOWN FROM THE TOP PLATE TO LOWER FLOOR(S)



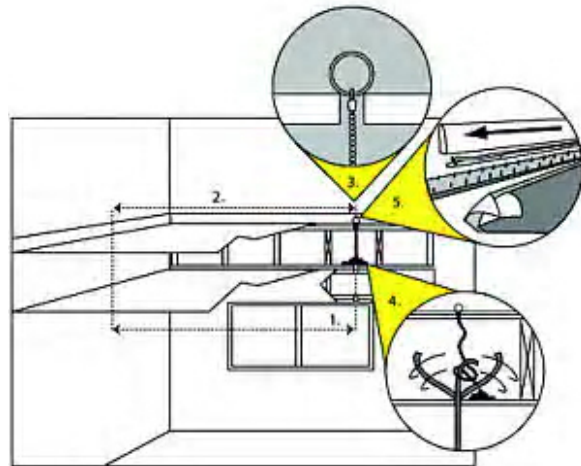
How to proceed:

- 1. First select the smallest **drill bit size** that will accommodate your cable run. Start drilling through the top plate from above, having selected the 2-ft. shaft.
- 2. Pull the bit back to you and replace the 2-ft. shaft by the smallest next size up (4- or 6-ft.) that will let you reach the next "plate" inside the wall.
- 3. Once you have drilled through the second plate, pull the bit back to you or add to the shaft the smallest extension that will let you drill through the third "plate".
- 4. Use extreme caution when drilling the second or following plates in order to avoid drilling through the wall; it is suggested to "rest" the shaft (or extension) against the wall of the first hole.
- 5. Once you have reached the lower destination point, attach to the end of the last extension a nylon pull cord. If pulling multiple cables or pre-connected ones, we recommend the use of **Fish Tailz**.
- 6. From downstairs, pull the bit, the nylon pull cord and cable will follow.

Basement Window Contact or In-Wall Speaker Up to Upper Floor

How to proceed:

- 1. From the window header, drill up into the cavity between floor and ceiling using the **Spear-Zit** or **Freeform**; before going upstairs, measure the distance from the drilled hole to the outside wall perpendicular to the one you are working on. If installing in-wall speaker in the basement, use the **Hole Cutter** to cut the speaker opening (refer to application *inside wall, down from in-wall speaker or up from system's outlet*) then drill up into wall.
- 2. Upstairs, measure the same distance, from the same outside wall in order to be located between the same floor joists. Pull the carpet and drill down, between molding and tack strip.
- 3. Attach the stop-ring to the ball chain of the **WR24** and drop chain down the drilled hole; it will pile up on top of the ceiling.
- 4. Downstairs, insert the flexible handle of the WR24 in the hole drilled through the window header and fish the ball chain in a "twist-pull-back" motion. Bring the chain down to you and attach your wire.
- 5. Upstairs, pull the ball chain and the wire; from one corner of the room, send the **YFT-10 fiberglass fish tape** between the tack strip and the molding. Attach the wire to the bullnose of the YFT-10; pull it to its



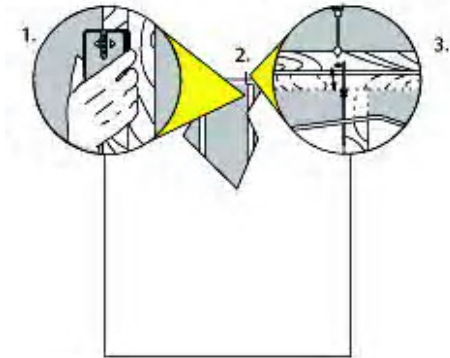
destination. If the upstairs floor is not carpeted, run your wire behind the molding or up the wall.

In Wall With Stapled Bat Insulation

1. DOWN, FROM THE TOP PLATE TO THE BASE OF THE WALL, ON CONCRETE FLOOR

How to proceed:

- 1. Use the **StudSensor** to locate the inside edge of the stud (or use the **TriScanner** to locate the stud and check for hot electrical lines along the stud).
- 2. Cut a 12" **Wire Bit** and at the inside edge of the stud, drill through the ceiling, where it meets with the wall. Remove the drill motor, leaving the wire bit poking through the ceiling.
- 3. In the attic, using the wire bit sticking up as a reference, measure 3/4" and drill a hole (use **Spear-Zit** or **Freeform**). You will be right in the void between the dry wall and the stapled insulation.
- 4. Drop the ball chain of the **WR24** in the drilled hole.
- 5. In the room, first, remove the wire bit (the hole is so small that it will remain unnoticed), then remove the molding and drill a hole at the base of the wall. Insert the flexible handle of the **WR24** and bring the ball chain to the hole. Pull the chain with the **LBS** (or **Hook-Zit**).
- 6. Attach the wire to the chain and pull from the attic.



2. DOWN, FROM THE TOP PLATE TO THE CRAWL SPACE OR UNFINISHED BASEMENT

How to proceed:

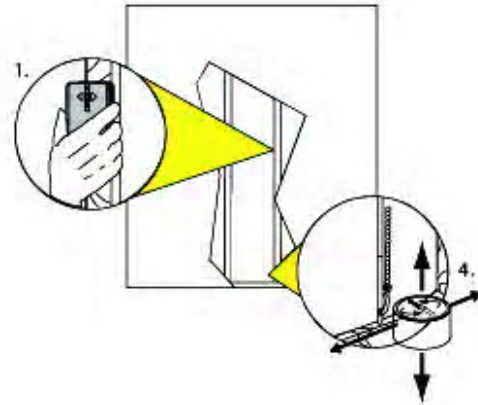
- 1. Use the **StudSensor** to locate the inside edge of the stud (or use the **TriScanner** to locate the stud and check for hot electrical lines along the stud).
- 2. Cut a 12" **wire bit** and at the inside edge of the stud, drill through the ceiling, where it meets with the wall. Remove the drill motor, leaving the wire bit poking through the ceiling.
- 3. In the attic, using the wire bit sticking up as a reference, measure 3/4" and drill a hole. You will be right in the void between the dry wall and the stapled insulation.
- 4. Drop the ball chain in the drilled hole.
- 5. Instead of pulling the molding in the room, this time drill up through the bottom plate from the basement.
- 6. Keep the flexible handle of the **WR24** almost straight, with a light bent on the magnet side. Insert in the hole and fish the ball chain. Attach the wire to the chain and pull from the attic.

In Wall with Insulation with Moisture Barrier

1. DOWN, FROM THE TOP PLATE TO THE BASE OF THE WALL, ON CONCRETE FLOOR

How to proceed:

- 1. Use the **StudSensor** to locate the inside edge of the stud (or use the **TriScanner** to locate the stud and check for hot electrical lines along the stud).
- 2. Cut a 12" **Wire Bit** and at the inside edge of the stud, drill through the ceiling, where it meets with the wall. Remove the drill motor, leaving the wire bit poking through the ceiling.
- 3. In the attic, using the wire bit sticking up as a reference, measure 3/4" and drill a hole (use **Spear-Zit** or **Freeform**). You will be right in the void between the dry wall and the stapled insulation.
- 4. Drop the ball chain of the **WR24** in the drilled hole.
- 5. In the room, first, remove the wire bit (the hole is so small that it will remain unnoticed), then remove the molding and drill a hole at the base of the wall. Insert the flexible handle of the **WR24** and bring the ball chain to the hole. Pull the chain with the **LBS** (or **Hook-Zit**).
- 6. Attach the wire to the chain and pull from the attic.



2. DOWN, FROM THE TOP PLATE TO THE CRAWL SPACE OR UNFINISHED BASEMENT

How to proceed:

- 1. Use the **StudSensor** to locate the inside edge of the stud (or use the **TriScanner** to locate the stud and check for hot electrical lines along the stud).
- 2. Cut a 12" **wire bit** and at the inside edge of the stud, drill through the ceiling, where it meets with the wall. Remove the drill motor, leaving the wire bit poking through the ceiling.
- 3. In the attic, using the wire bit sticking up as a reference, measure 3/4" and drill a hole. You will be right in the void between the dry wall and the stapled insulation.
- 4. Drop the ball chain in the drilled hole.
- 5. Instead of pulling the molding in the room, this time drill up through the bottom plate from the basement.
- 6. Keep the flexible handle of the **WR24** almost straight, with a light bend on the magnet side. Insert in the hole and fish the ball chain. Attach the wire to the chain and pull from the attic.

3. DOWN, FROM THE MIDDLE TO THE BASE OF THE WALL, ON CONCRETE FLOOR

How to Proceed:

- 1. Use the **SSZ9 StudSensor** to locate the middle between two studs and mark the wall.
- 2. Using a small pointed object, poke a hole in the dry wall at a "down angle", making sure not to pierce the moisture barrier.
- 3. Attach the **WNH-1** to the bullnose of the **LZsec** and enter it through the hole, in the wall, between the drywall and the moisture barrier, until the bullnose touches the bottom plate.
- 4. Having dropped the base molding, run the **LZO** compass alongside the base of the wall to locate the LZsec magnet.
- 5. When the red arrow points at the wall, move the compass upward; if the white arrow points this time at the wall, you have located the magnet, not a nail or a pipe.
- 6. Drill a hole (with **Spear-Zit** or **Bell Hanger**) right where the compass located the magnet, and, with the **LBS** retriever (or **HZ9 Hook-Zit**), pull the ball chain out.
- 7. Attach the wire (or a pull cord if running cable) to the ball chain. Pull the rod up.

Smooth (Sheet Rock) Ceiling Material

SMOOTH (SHEET ROCK) CEILING MATERIAL

How to proceed:

- 1. With the **SSZ9 StudSensor**, locate two joists in between which the device will be located and cut a hole a least 2" in diameter with **Hole Cutter**. Then measure the distance between the hole and the outside wall parallel to the joists.
- 2. Upstairs, measure the same distance from the same outside wall in order to be between the same joists, against an inside wall perpendicular to the outside wall.
- 3. Pull the carpet and drill a hole between tack strip and molding (use **Spear-Zit**, or **Freeform drill bits**). Attach the "stop-ring" to the **ball chain of the WR24** and drop it in the hole. It will pile up on top of the ceiling.
- 4. Back downstairs, insert the in the hole cut in the ceiling and locate the "pile" of ball chain. Direct the **CZD Drag-Zit** magnet (screwed on a **CZX section of the CZ-30**) to the pile. Pull the rod slowly back to you so it will feed the ball chain to you.
- 5. Once you have the chain to you attach to it a minimum of 10 feet of pull cord the wire or cable to the cord.
- 6. Upstairs, pull the ball chain, the pull cord... The wire (or cable).

