

Noise coming from the main power line of the distribution box



Overview

In short, this noise is due to a phenomenon called corona discharge, an energy discharge within the power lines themselves. When the surface of the conductor has a greater electric field strength than the surrounding air, this buzzing is more than likely to happen. Essentially, the power lines or associated hardware generate unwanted radio signals that override or compete with desired radio signals. Power-line noise can impact radio and TV reception, including cable TV head-end pick-up and Internet service. An overloaded circuit can. Virtually all power-line noise, originating from utility company equipment, is caused by a spark or arcing across some power-line related hardware. A breakdown and ionization of air occurs, and current flows between two conductors in a gap. The gap may be caused by broken or loose hardware such as. The audible noise you hear from high-voltage cables occurs because of the energy that is being discharged.



Article Content

Nov 24, 2025

Why Power Lines Make That Annoying Buzzing Sound

In short, this noise is due to a phenomenon called corona discharge, an energy discharge within the power lines themselves. When the surface of the

Jun 22, 2026

What Causes Power Line Noise

Knowing what type of noise you're dealing with can help you identify the source of the problem and take the necessary steps to reduce or eliminate it. So, let's dive in and explore some of

Jul 22, 2025

Electrical Distribution Box making a humming noise and...

The noise has been identified as coming from the electrical distribution box which is attached to a cement wall that runs up all three floors in my bedroom as a firewall. See pic below.

May 25, 2026

Why Power Lines Make That Annoying Buzzing Sound

Ever wondered why power lines make that buzzing sound? Learn what causes it and how engineers work to minimize the noise.

Oct 25, 2025

Why Is My Electrical Panel Buzzing?

A buzzing electrical panel can signal a serious issue. Learn why your panel might be buzzing and how to fix it.

Nov 28, 2025

Why Is My Electrical Panel Buzzing? | Deaver Electric Inc.

Understanding the Electrical Panel An electrical panel, commonly known as a breaker box or distribution board, serves as the main control center for the

Mar 26, 2026

What Causes Buzzing Sounds in Your Electrical Panels?

Panel Vibration In some cases, the noise comes from physical vibration within the breaker box itself. While this is less dangerous than arcing or

May 15, 2026

What causes the noise emitted from high-voltage power lines--is it ...

Robert Dent, president of the IEEE Power Engineering Society, responds: "The audible noise emitted from high-voltage lines is caused by the discharge of energy that occurs when the

Mar 19, 2026

Common troubleshooting of distribution boxes: analysis of causes of ...

When they start tripping, overheating, or making strange noises, it's more than just an inconvenience - it's your home's cry for help. In this guide, we'll walk through these common issues like neighbors

Dec 21, 2025

Noise on the mains supply [in or out?]

There are site and country-specific issues that might go against this, but in the US I don't recall ever having a noise problem coming from outside on the mains (except for serious supply

Jul 21, 2025

Hearing Electrical Buzzing | TopTech Electric & Plumbing

If the power is completely shut off and you still hear a buzzing or humming sound, the source is likely not electrical. Sounds from HVAC systems, plumbing pipes,

May 12, 2026

Why is My Electrical Panel Making a Buzzing Noise?

Noisy Breaker FAQs Can I just replace a breaker to fix the electrical panel making noise? Changing out the malfunctioning breaker is a quick approach to fix the

Oct 24, 2025

Consumer Unit Breaker Box is Making a Buzzing Noise

Issues with Incoming Mains Failing Components with Fuse Box Intermittent Tripping
Electrical panel smells of fish Faint Electrical Buzzing Sound Intermittent power

Oct 28, 2025

ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing and IoT World Today have combined with TechTarget . The page you are looking for may no longer exist.

Jan 04, 2026

Why is there a buzzing noise in my electrical panel?

A buzzing noise emanating from an electrical panel or breaker box can be a cause for concern and should not be ignored. It's essential to understand that this noise is often an indicator of an

Apr 29, 2026

Common troubleshooting of distribution boxes: analysis of causes of ...

That familiar sound of your circuit breaker clicking off - we've all been there. Distribution boxes are the unsung heroes of our electrical systems, quietly managing power until something goes wrong. When

Oct 12, 2025

Hearing an Electrical Hum or Buzz? Here's What to Do

A buzzing noise coming from your electrical panel or breaker box could signal a serious issue. It might indicate malfunctioning equipment, loose

Sep 02, 2025

Power line noise

Distribution power line noise is generally a raspy buzz. Power line generated noise on normal distribution lines is modulated at some low harmonic of the power line

Apr 23, 2026

Resolving Power Line Noise

Sparking or arcing across power-line related hardware causes virtually all power-line noise that originates from utility equipment. A breakdown and ionization of air occurs, which results in a current

Jun 13, 2026

Power-Line Noise FAQ

Virtually all power-line noise, originating from utility company equipment, is caused by a spark or arcing across some power-line related hardware. A breakdown and

Oct 11, 2025

Power-Line Noise FAQ

Power-line noise follows this pattern, generally occurring in bursts at a rate of 120 bursts per second. This gives power-line noise a characteristic sound that is often

Jun 05, 2026

Here's Why High-Voltage Power Lines Make Noise

Learn why high-voltage power lines buzz, crackle, or hum. NCE explains corona discharge, weather impacts, and safety factors behind electrical

Apr 08, 2026

Finding & Fixing a Low Electrical Humming Noise

A low electrical humming noise can be more than just a nuisance. Learn how to find and fix a humming electrical outlet, breaker box, or appliance!

Aug 08, 2025

Why Are the Power Lines Buzzing and Is It Safe?

The buzzing or crackling sounds emanating from power lines primarily result from two phenomena: corona discharge and electromagnetic hum. Both are related to the flow of high-voltage

Sep 11, 2025

What's That Buzzing Noise? Electrical Sounds You Should Never Ignore

Your home's electrical system should be seen and not heard. When it starts making noise—especially unfamiliar buzzing, humming, or clicking—it's trying to tell you something. And

May 02, 2026

Understanding Powerline Diagrams: An Essential Guide

A powerline diagram is a visual representation of the electrical power distribution system in a building or facility. It shows the connections, components, and flow of

Oct 16, 2025

Per diem rates

Per diem rates We establish the per diem rates that federal agencies use to reimburse their employees for lodging and meals and incidental expenses incurred while on official travel within

Oct 12, 2025

When Is an Electrical Noise in the House a Reason to

A major source of worry is when you hear a buzzing sound coming from the electrical panel. The panel makes a dull humming noise like any other

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