



# OUR TECHNOLOGY

## THE SCIENCE BEHIND THE SOUND

### THE FOUR PRINCIPLES OF KLIPSCH SOUND

Paul W. Klipsch believed four principles to be the foundation for great sound. They continue to drive the design of every new Klipsch speaker, today and tomorrow.

**High Efficiency:** Klipsch utilizes horn-loaded technology in each of its speaker categories, minus headphones and subwoofers, because the horn shape results in accurate and dynamic sound transmission.

**Low Distortion:** Klipsch horn technology reproduces the softest sounds with remarkable clarity and detail and the loudest sounds with no harshness or distortion.

**Controlled Directivity:** Klipsch horn technology assists in accurately directing sound, which, in turn, creates a more lifelike soundstage.

**Flat Frequency Response:** Our stunningly accurate speakers offer no unnatural highs, mids or lows, delivering sound as the artist intended.

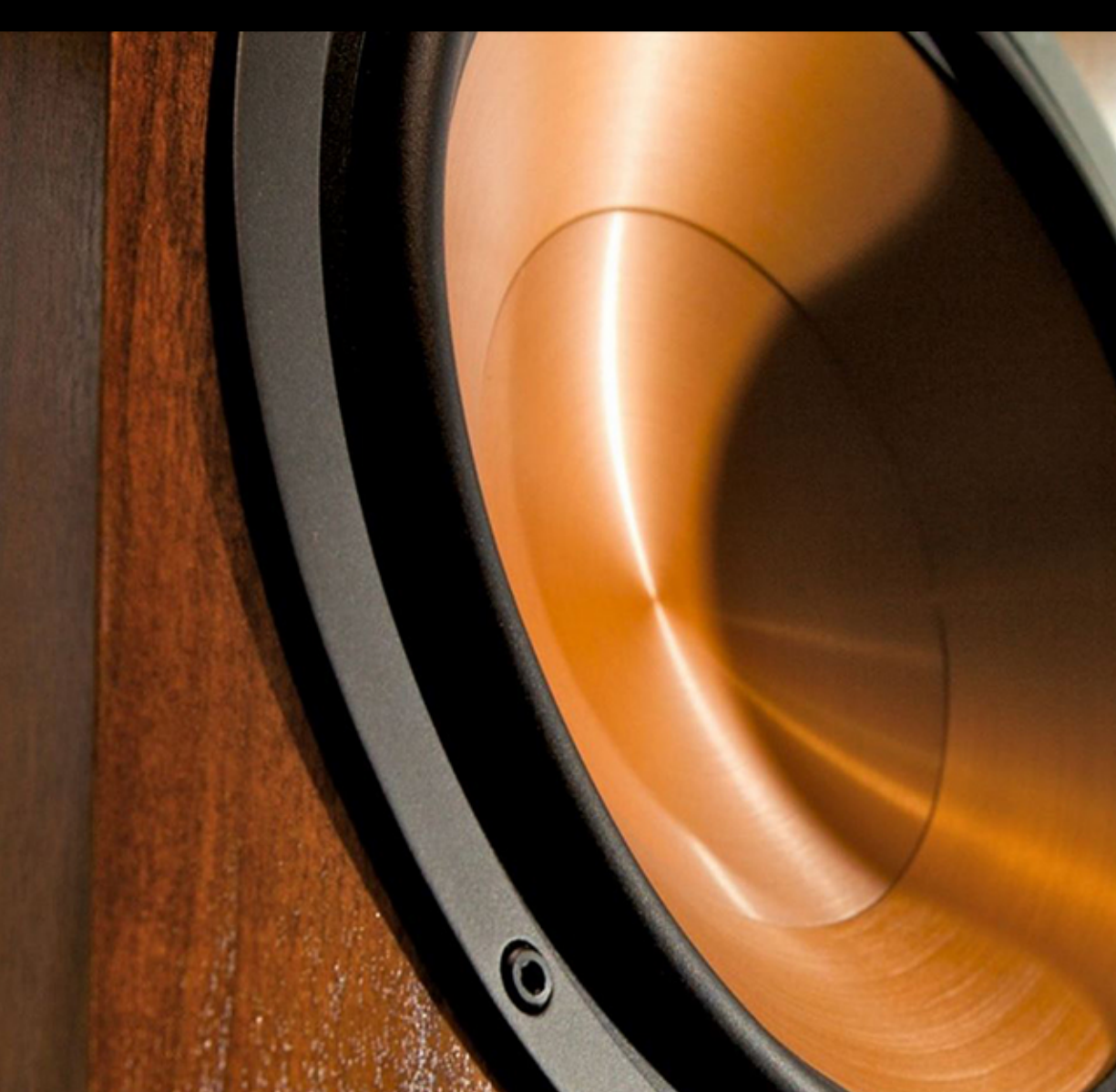
### TRACTRIX® HORNS

Tractrix® Horns have for many years been the driving force behind Klipsch's stunningly precise acoustics. Featured in every Klipsch speaker category, except for headphones and subwoofers, this proprietary technology provides a unique combination of precision, clarity and effortless power.



### CERAMETALLIC WOOFERS

A signature feature on the Reference Series speakers, Klipsch's Cerametallic woofers exhibit a very high stiffness-to-mass ratio and superb damping, resulting in a powerful, solid bass foundation.



### WIDE DISPERSION SURROUND TECHNOLOGY

As the cornerstone of every Klipsch surround speaker, proprietary Wide Dispersion Surround Technology (WDST) provides astounding sonic detail for rooms with less-than-ideal placement configurations.



### PATENTED OVAL EAR TIPS

Klipsch's patented oval ear tips for headphones and headsets are anatomically shaped to accurately fit inside the human ear canal. These soft, oval silicon tips reduce ear fatigue and provide excellent noise isolation for superior audio performance.

