



INTRODUCING

The world's first subwoofer in a portable speaker.

Hofmann's Iron Law has governed speaker engineering for a century. The longstanding audio law states that in order to produce deep bass, a speaker must either be large or draw a tremendous amount of electrical power.

In other words, no speaker on the market today can be simultaneously small, efficient, and produce deep bass.

Brane X Breaks the Iron Law.

Brane X represents a **10X increase in sub-bass sound** and a **100x increase in sub-bass efficiency** without increasing size or power consumption.

The R.A.D. Breakthrough

Brane's Repel-Attract-Driver (R.A.D.) is the **first significant innovation** in driver technology in a century.

It outperforms traditional cone drivers through a novel breakthrough in electromechanics. The R.A.D. uses **permanent magnet forces** to cancel internal air pressure forces, allowing a **significant increase in bass**.

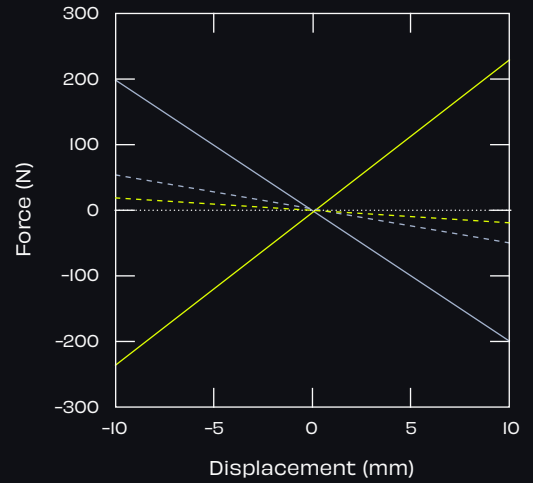


How it Works

R.A.D. deploys a novel "magnetic negative spring" (MNS). Unlike a conventional spring with a force that is oppositely directed to its direction of motion, a MNS must produce a force in the same direction of motion. This force must rise linearly with increasing distance.

The R.A.D. needs a four-axis passive magnetic bearing to keep the magnets centered radially, along with an active Lorentz force and active axial magnetic bearing to keep the magnets axially centered when music is not playing.

The net force is about **tenfold smaller** than it would be for a conventional speaker.



- Magnetic Negative Spring (MNS)
- Air pressure force
- - - Net force
- · · Part of the flexible support force

The Result

SMALL AND MIGHTY

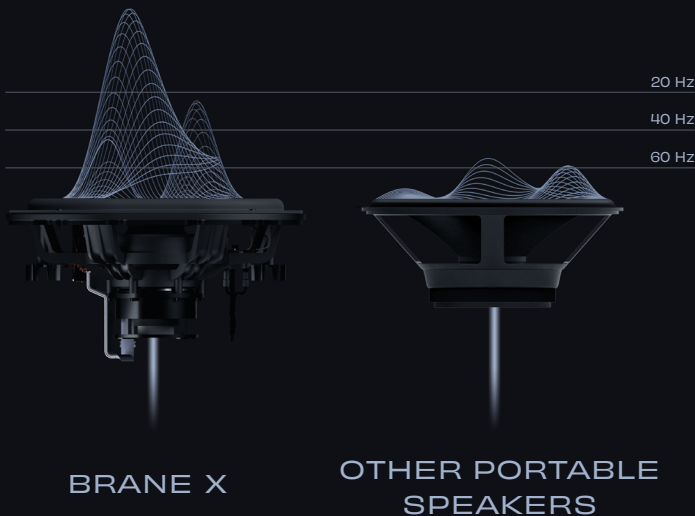
Through our R.A.D. breakthrough, Brane is the first to fit an 8-inch subwoofer into a mobile speaker. Brane X weighs in at only 7.7 lbs.

DEEPER BASS

Brane X boasts a 10X increase in sub-bass, increasing performance without increasing overall size or power consumption.

FEWER WATTS, MORE SOUND

At just 6 watts, Brane X only burns 10% of the power of conventional speakers.



BRANE X

OTHER PORTABLE SPEAKERS

In addition to the technological breakthrough that gives Brane X its bass power, the speaker also includes all of the modern smart speaker features you expect.

FULLY WATERPROOF
VOICE-ENABLED

ADJUSTABLE EQ SETTINGS
MULTIPLE SPEAKER CONTROL

CUSTOM GROUPS
SMART APP

Brane Audio: Feel What You Hear.

Proudly headquartered in Austin, TX, the Live Music Capital of the World. Learn more at braneaudio.com.