

Infinity Quantum 2



Your ears may not know the difference between this and our Quantum Line Source™ -until you hear the price.

Where in the world can you hear the revolutionary woofer with the dual voice coil? Only in Infinity's Quantum Series. Our Quantum Line Source speaker reaches down to 18 Hz.

Here in its closest competitor, the Quantum 2™ it goes to 24 Hz, but you get an extra 2 dB of efficiency.

And where will you find the satiny-sounding Electromagnetic Induction Tweeter (EMIT)? Only in Infinity's Quantum Series. The Quantum Line Source stacks them four feet high. The slightly more

compact Quantum 2 uses the same tweeters, but not quite so lavishly.

In between those extraordinary, exclusive low and high drivers, both QLS and Q2 use Infinity's high-definition 1½-inch dome midrange driver and transmission-line midbass coupler.

You see, the same technology that makes all previous speaker systems obsolete goes right through the Quantum Series. That's what makes Quantum 2 the closest rival to the world's finest.

What comes out of the Dual-Drive Woofer™ is a new bass experience.

Everybody knew for years it was impossible to get acceptable efficiency, good transient response, enough power, *and* extended bass range out of any enclosure of reasonable size. So every speaker system in the world represented a serious compromise of one or more of those desirable characteristics. Until...

William Watkins found the solution to problems of the speaker's fundamental resonance, back-EMF and the resultant impedance peak. He invented a woofer with two voice coils. Right down where rising impedance and falling response were inevitable before, his second voice coil takes over, presenting a low impedance path to the amplifier in the region of resonance.



Now the speaker can make use of the amplifier's power at low frequencies, because back-EMF is reduced. Now input rather than inherent resonance can control the cone. Now extended bass response and accurate transient performance can co-exist beautifully.

Listen.

The bass driver that makes all this happen is called the Infinity-Watkins Dual-Drive Woofer.™* It is one of the significant audio advances that set Infinity's Quantum Series apart.

Infinity's EMIT™ is like the sweetest of sopranos without a trace of temperament.

Working for years to perfect the electrostatic tweeter for what became our \$4000 Servo Statik 1A speaker system, we dreamed of creating the magnetic counterpart of the electrostat. Without any of the same problems of breakdown or need for a

transformer. With the same advantages of a low-mass diaphragm driven uniformly overall. *If* only there were a magnet powerful enough.

We finally found our magnet, made with the rare-earth material Samarium Cobalt, four to seven times more powerful than the finest alnico magnet.

And then we found we could make a tweeter that was not only easier to control than the electrostatic, but also easier to listen to. With admirable range and realism *and* nearly perfect horizontal dispersion.

This new breed is named EMIT Electromagnetic Induction Tweeter.™ Audio technicians esteem it technically. Music-lovers love it instantly.

More than merely a revolutionary woofer and superlative tweeters.

High-definition 1½-inch dome drivers reproduce the midrange in the Quantum Series. And in the midbass (200 to 600 Hz), where about half of all musical fundamentals lie, we felt it vital to provide our Quantum 2, like our Quantum Line Source, with a driver that could speak with absolute accuracy. The answer is our meticulous midbass coupler.



We at Infinity™ have strong feelings and a goodly store of savvy about phasing and crossover technology. The finest fruits of our stubbornness and

know-how are the startlingly lifelike stereo imaging and depth that our Quantum Series speakers produce.

Hear Quantum 2. Its resemblance to Infinity's Quantum Line Source is striking. Except around the price tag.

Quantum 2 Specifications

Frequency response:
24Hz-32KHz ± 3dB.

Horizontal dispersion:
-2dB at ± 60°, 20KHz.

Suggested for use with amplifiers of:
45 through 350 watts per channel RMS.

Nominal impedance:
4 ohms.

Drivers:
12" Infinity-Watkins Dual-Drive Woofer.
4" midbass coupler, transmission-line loaded.
Two 1½" dome midrange, specially treated.

Three EMIT tweeters.

Crossover frequencies:
200Hz, 600Hz, 4KHz.

Controls:
Level for midbass coupler, midrange and tweeters.

Variable crossover point for tweeter.

Dimensions (approx):
49"x18"x13" deep.
124cm x 46cm x 33cm deep.

Finish:
Oiled walnut veneer. Removable grille.

Weight (approx):
138 lbs/63 kg (packed).

Warranty:
Five years parts and labor, transferable.
(See complete warranty statement.)

Specifications and prices are subject to change without notice.

Grace note:

Notice the offset mounting of the grille. It minimizes any chance of the grille frame's interfering with the dispersion of sound.

But we know some audiophiles will want to remove the grille anyway. So we have made it very easy to lift off, and provided Quantum 2 with a handsome face of walnut veneer.



We get you back to what it's all about. Music.

*Manufactured by Infinity Systems, Inc., under license from Watkins Engineering

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