

Raidho TD3.10

Born of Denmark’s loudspeaker heritage, the new Raidho TD3.10 distills decades of Danish acoustic ingenuity into a single, arresting form. Drawing on Raidho’s own 20 year odyssey—from its radical first ribbon tweeter to today’s diamond tantalum cones drivers—it embodies the restless innovation that has made Danish hi fi a global reference point. Twin 10 inch diamond coated woofers anchor the music with sovereign control, while Raidho’s featherweight planar ribbon crowns the spectrum with signature transparency. An all new reference crossover, voiced with the finest components, knits these extremes into a seamless, holographic whole. The TD3.10 is not merely the successor to the acclaimed TD3.8; it is Denmark’s latest ambassador to the world stage, proving once more that the small kingdom still sets the pace for high end sound.

Bass Extension

Building on the highly acclaimed TD3.8 platform, Raidho Acoustics proudly introduces the **TD3.10**, featuring revolutionary 10" diamond-coated bass drivers—the largest of their kind in any production speaker. The TD3.10 raises the bar for dynamic impact, transparency, and musicality. By scaling up from the 8" drivers of the TD3.8 platform, these 10" woofers extend deep bass effortlessly down to **20 Hz (–3 dB)**, while maintaining razor-sharp control through the midrange crossover region.

- **Largest Diamond-Coated Drivers:** diamond coated membrane (DLC) spanning 10"—industry-leading in both size and material purity
- **Bass Extension & Authority:** Seamless, tuneful output from 20 Hz to 250 Hz
- **Low-Mass Voice Coil Assembly:** Custom titanium former wound with ultra-fine litz copper for supreme transient fidelity

Raidho TD Drive Units

Raidho’s TD drivers features a 6-layer “sandwich” membrane—aluminum, ceramic, tantalum and up to 10 µm, 1.5-carat diamond coating (DLC) — for unmatched stiffness and resonance control. Using argon plasma deposition to fuse tantalum and diamond, resonances are cut by 36 dB and stiffness is boosted 50× over pure ceramic, pushing the breakup mode to 20 kHz (midrange drivers) for lightning-fast transients and crystalline clarity.

The motor combines N52 neodymium underhung magnets with a titanium voice coil, creating the world’s most linear and powerful underhung system. Its square-wire titanium winding eradicates air gaps, while the turbine-shaped magnet and basket assembly banish internal reflections. A precision magnetic flux stabilization ring maintains rock-steady impedance across the bandwidth, and an ultra-soft suspension lets the driver trace every musical nuance in perfect harmony with Raidho’s ribbon tweeter.

Raidho’s Signature Ribbon Tweeter

The TD3.10 retains our proprietary planar-magnetic ribbon tweeter, carefully refined for even greater resolution and dispersion uniformity:

- **Ultra-Light 10 µm Foil:** Ensures breakup beyond 82 kHz for breath-taking top-end clarity
- **Low-Mass Design:** Just 18 mg moving mass for lightning-fast transient response
- **Optimized Waveguide:** Precisely contoured aluminum baffle enhances off-axis balance and imaging

In our humble opinion, and many others, the Raidho tweeter is among the absolute best in the world. The unique feature of this tweeter that is so highly resolving and clean, but on the other hand so very smooth and never fatiguing. This is truly a unique tweeter in the audiophile world.

State-of-the-Art Crossover Network

Our three-way topology employs a meticulously hand-assembled, point-to-point crossover built around Mundorf High End components to achieve perfect driver integration:

1. **Second-Order + Fourth-Order Stepped Slopes** at 240 Hz (bass to midrange) and 2.7 kHz (midrange to tweeter) using a unique filter technique developed by Raidho. This incorporates the benefits of both 2nd and 4th order crossovers.
2. **Air-Core Inductors & Metallized Polypropylene Capacitors:** Deliver ultra-low loss and minimal phase distortion
3. **Nordost Norse Wiring:** Guarantees the purest signal transfer between sections. This technology is also used in the Valhalla cable.
4. **MTM construction:** This offers tighter vertical dispersion, smoother off-axis response, lower midband distortion and often higher sensitivity—all of which can translate into a more coherent, “live” sound in real listening rooms.

The result is an inherently cohesive soundstage, sounding almost like a wideband driver—unwavering coherence from the deepest bass rumble to the finest harmonic overtones.

SPECIFICATIONS

Topology:	3-way bass-reflex tower
	1 × Raidho Planar-Magnetic Ribbon Tweeter
Drivers:	2 × 5.25" TD Midrange
	2 × 10" TD Bass Drivers
Crossover Points:	240 Hz, 2,7 kHz
Frequency Response:	20 Hz – 50 kHz (±3 dB)
Sensitivity:	89 dB (2.83 V/1 m)
Nominal Impedance:	4 Ω
Recommended Amplifier:	50 – 300 W
Dimensions (W×H×D):	350 × 1,200 × 500 mm (incl. spikes)
Weight:	102 kg each



Luxurious Walnut Burl Cabinet

Each TD3.10 cabinet begins with natural walnut burl veneer—an exceptionally rare wood whose “flower” patterns are hand-selected and matched before lamination. The sidewalls, both external and internal, are CNC-milled into graceful curves that optimize resonance control and acoustic flow. Once assembled, every surface undergoes **eight** stages of precision sanding, followed by **sixteen** layers of high-gloss lacquer, producing a mirror-smooth finish. Throughout the process, each veneer panel carries an exclusive serial number to ensure perfect left/right pairing and absolute consistency.

Availability & Pricing

The **Raidho TD3.10** is available now through authorized dealers worldwide.

- **MSRP** (EU pricing):
- EUR 120.000 per pair (Black Piano)
- EUR 135.000 per pair (Burl Walnut Piano)

For demonstration appointments or further information, please contact your local Raidho Acoustics representative or visit www.raidho-acoustics.com.

About Raidho Acoustics

Founded in 2000, Raidho Acoustics combines cutting-edge materials science with old-world craftsmanship to produce some of the world’s most musically engaging loudspeakers. Each product embodies our commitment to transparency, accuracy, and emotional connection—ensuring that every performance feels as alive as the music itself.

Raidho Acoustics

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