

NEW

Raidho TD6 Statement Loudspeaker

The Vision and Concept

The TD6 is a truly unique musical performer and intended for those who wishes to come as close to the "real thing" as possible.

Even though it looks very similar to the highly acclaimed D5 and D5.1. The TD6 is a completely new development, only parts of the visual appearance look close to the previous models.

The Goal

The ambitions of the TD6 are basically the same as any Raidho speaker, but this time at the extreme level. We try to achieve:

- Extremely low level of noise / coloration of the sound
- Dramatic, energetic sound with a very wide soundstage
- Hear every detail, but no fatigue
- Very easy to listen to
- A unique sonic holography
- The sound appears right out of the blue
- Very authentic and close the original

Ribbon Tweeter

Of course, the TD6 also builds on the legendary Raidho Ribbon Tweeter. Actually, it is a Planar Magnetic Tweeter due to the tracks in the foil. The foil is only 20 milligram and 11 mikron thick, so it has 50 times less mass in comparison to a conventional dome tweeter. This means virtually no resonances or distortion. The breakup point is at an incredible 82 KHz! The result is clear and natural sound, like no other. All the details in the world, but no fatigue, no distortion, and no coloration! In this TD6 version of the tweeter, the foil itself has been upgraded to be able to handle even more power and higher dynamics.

TD mid- and bass drivers

Finally, a drive unit that can keep up with the Raidho ribbon tweeter! The membrane is a 5 Layer sandwich construction: Aluminum cone - Ceramic - Tantalum - Diamond and then Diamond on the back. All these materials bring in their own strengths to the mix, making this a truly unique and revolutionary drive unit. 1,5 Carat of Diamond on each drive unit, yet only 10 microns thick. We came across this together with the Danish Technical Institute in the pursuit of the ultimate material for loudspeaker membranes. We believe we found it! At DTU they have highly specialized machine where they pump in argon gas and fire particles at lightspeed thus fixating the atoms to the membrane. This creating the Tantalum and Diamond coating. The TD layers reduce resonance with 36dB over ceramic and is 50 times stiffer than ceramic only membrane. The breakup mode has been elevated to 20KHz! Raidho is the only loudspeaker manufacturer in the world to use this technology.

The motor comprises of a very strong magnet (N52 Neodymium) with an unseen even magnet field, coupled with an underhung titanium voice coil. This gives perfect transient response with no measurable distortion.

The turbine shape with excellent aero dynamic capabilities results in very clean and uncolored sound. All edges in the nearby basket are rounded to eliminate reflections and direct the waves into the dampening material also the complete driver construction is open around the membrane to let it "breathe".

TECHNICAL INFORMATION

Size, mm. (BxHxD):	250 x 1950 x 700 (250 x 2085 x 835 incl. feets)
Weight, kg.:	175
Freq. response:	25 Hz - 50 KHz -6 dB
Impedance:	8 ohm
Sensitivity:	87 dB 2.83 V/m
Crossover:	350 Hz and 3 kHz 2. order
Enclosure:	Vented design. Six ports in the rear
Drive units:	1 x sealed ribbon tweeter. 2 x 5,25" Tantalum Diamond mid-range drivers. 6 x 8" Tantalum Diamond bass drivers
Finish:	Black piano. All possible paint colors. Walnut burl veneer
Amplification:	>100 W
Price:	From EUR 210.000 (Pair)



The Crossover

The heart of the speaker is almost a piece of art. The components are mostly from Mundorf top spec and are mounted directly on a massive PVC board. Hard and direct wiring is used, with integrated Nordost cables in the crossover itself. All internal wiring is done with Nordost Norse cables which builds on Valhalla technology with a possible upgrade to TSC from Odin. The simplest crossover design was made to ensure a direct and pure signal path.

Made in Denmark

In Pandrup, Denmark we have our own unique production of drive units, crossovers, and assembly line. We are proud to say that we have our own dedicated team which extraordinary skills which makes the quality of Raidho come to life. True craftsmanship and passion for every single detail is in our hearts.

DANTAX Radio A/S

Founded in 1972, DANTAX Radio A/S began producing loudspeakers under its original brand name. Since then, has produced many different products in the Consumer Electronics segment. From 1977 - 1980 DANTAX even owned Scanspeak. Now a reborn High End manufacturer DANTAX focuses on producing high quality products under the brand names Raidho, Scansonic and GamuT Audio. DANTAX Radio A/S is a public listed company in Denmark.

Raidho Acoustics

Dantax Radio A/S

DK-Bransagervej 15, 9490 Pandrup
Tel. +45 98 24 76 77
sales@raidho.dk | raidho.dk