

**Fostex**

Speaker System

# NF06

Thank you for purchasing the Fostex product.

We hope you will read through this manual so that you can correctly use it.



## ■ Product Overview

The NF06 is a new near-field passive monitor speaker created using technology accumulated over many years of developing professional monitor speakers. It is designed for professional studios and thoroughly pursues the reference performance required in today's music production.

## ■ Main Features

### ● Newly developed 6.5 inch HR woofer

The newly developed 6.5-inch woofer unit exclusively for the NF06 employs an HR diaphragm to disperse the peaks of specific frequencies caused by split vibration and eliminate natural sound, while ensuring high rigidity while being lightweight. Achieves high resolution and speedy low frequency playback.

- HR (HP ROTATION) is HP (HYPERBOLIC PARABOLOIDAL), which is known in the field of architectural structural mechanics. HR diaphragm is a diaphragm that has been rotated in the circumferential direction to improve its shape. This shape allows only shearing force to act as internal stress and no bending stress, resulting in a diaphragm that is lightweight and highly rigid, and has excellent characteristics that disperse resonance caused by split vibration. It is used in the woofers of Fostex's professional monitor speakers, including the NF04R.
- The diaphragm material is made using an optimized hybrid composition consisting of a base material that combines wood pulp and non-wood pulp in an optimal ratio, and high-performance materials such as ultra-high elastic carbon fiber, PBO, and Cellgaia pulp. It has the ideal rigidity and internal loss for a woofer diaphragm, and achieves a propagation speed approaching that of a metal diaphragm.
- The magnetic circuit is designed to stabilize the amplitude of the vibration system, so there are fewer changes in the force factor. It ensures linear followability with little change from small signal input to large input, suppressing the occurrence of distortion, and placing a cap on the pole piece also reduces current distortion.
- Uses UDR tangential shape for edges. Abbreviation for Up/Down Roll Tangential edge, which is a structure in which up roll and down roll are joined by a tangential surface. Together with the HR diaphragm, it is used in the woofers of Fostex's professional monitor speakers, including the NF04R.

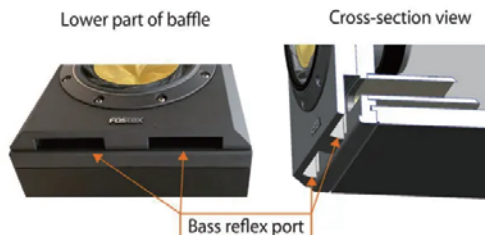
### ● Newly developed 1-inch titanium diaphragm tweeter

The 1-inch dome tweeter is made of titanium and molded in a ridge dome shape. Combined with the optimized shape of the diffuser, it provides clear, high-resolution monitoring.

- The ridge dome shape disperses resonance by not making the distance from the voice coil to the top of the dome constant. It disperses the natural resonance that causes coloration while achieving the high-speed response unique to a metal diaphragm.
- The magnetic circuit uses a short type voice coil and is designed to not stray from the magnetic field, achieving improved input resistance and highly accurate high frequency reproduction with low distortion and excellent followability.

### ● New concept bass reflex port

The front and rear positions of the woofer and tweeter were carefully listened to and time alignment adjustments were made. The bass emitted from the bass reflex port located at the bottom of the woofer's baffle can suppress unnecessary changes in low frequencies caused by the wall on the back of the speaker when installed on a studio speaker stand. With an enclosure design that takes into account the on-site usage environment, it reproduces a sound image with an accurate amount of information, from clear low frequencies with excellent response to sharp and clear high frequencies.



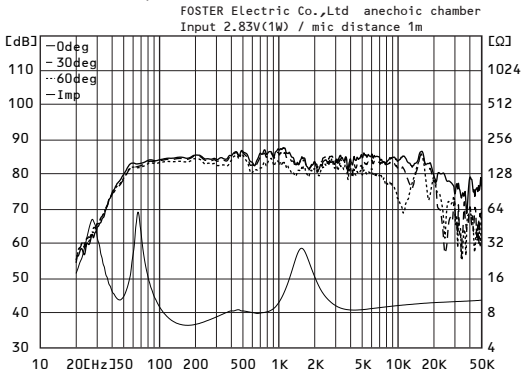
## Product Photo



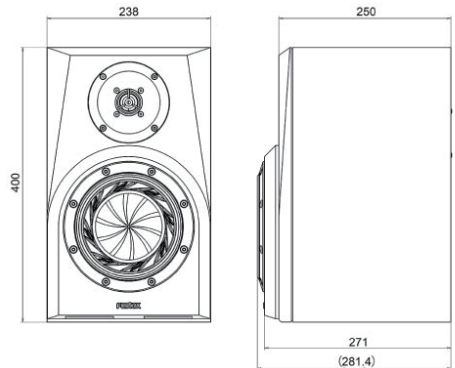
## Main Specifications

Model	NF06
Type	2 way bass reflex passive
Units	6.5" HR shaped diaphragm woofer, 1" ridge dome shaped titanium tweeter
Frequency response	40 Hz – 35 kHz (-10 dB)
S.P.L.	84.5 dB/W (1 m)
Impedance	8 ohm
Maximum Input	100 W
Crossover Freq.	1.6 kHz -12 dB/oct.
Dimensions	238(W) x 400(H) x 271 (D) mm
Weight	9.8 kg
Enclosure Material	MDF
Accessory	Safety Precautions

## Frequency Response Chart



## Dimensions



## Connection

Connect the amplifier to the speaker according to the polarity indications (red +, black -) on the terminals.

\*Speaker cables to be connected to the amplifier are sold separately.  
(Recommended / Fostex speaker cable: SFC103)

