

New product information: Donguri-KAEDE & Donguri-KAEDE Balance

Donguri 3rd series: Collaboration of Oak village's finest craftsmanship and Ocharaku's sound engineering. 200sets are planed for initial production.

Solid maple wood; widely used for acoustic instrument; finish with Black Lacquer is used for rear cabinet. Each pieces are specially selected and handcrafted by master craftsmen in the forest of Hida-Takayama. After almost 4years from the first collaboration on 2013 November, came the 3rd and latest series. (2nd series Donguri-KEYAKI TiPlus is still available in store.)

Donguri series adopts Tornado Equalizer system which significantly improves vocal sound.

The latest Donguri-KAEDE and Donguri-KAEDE Balance part material and specifications are carefully selected to achieve our gold; **"supreme vocal sound ever"**.

First, compared the sound character when finished by black lacquer, transparent lacquer and the usual oil finish on Japanese Zelkova wood.

Than compared between Cypress, Zelkova and Maple wood and found black lacquer finished Maple wood had a soft and smooth conformable acoustic effect, best suited to achieve our gold.

Moreover, the Tornado Equalizer's material is superseded from the current Polypropylene to acoustically prominent Liquid Crystal Polymer to significantly improve the finest sound reverberation.

Pure Titanium is used for front cabinet; yet the best material.

Donguri-KAEDE is with $\Phi 3.5\text{mm}$ mini plug,

Donguri-KAEDE Balance is with $\Phi 4.4\text{mm}$ 5-pole balanced plug.

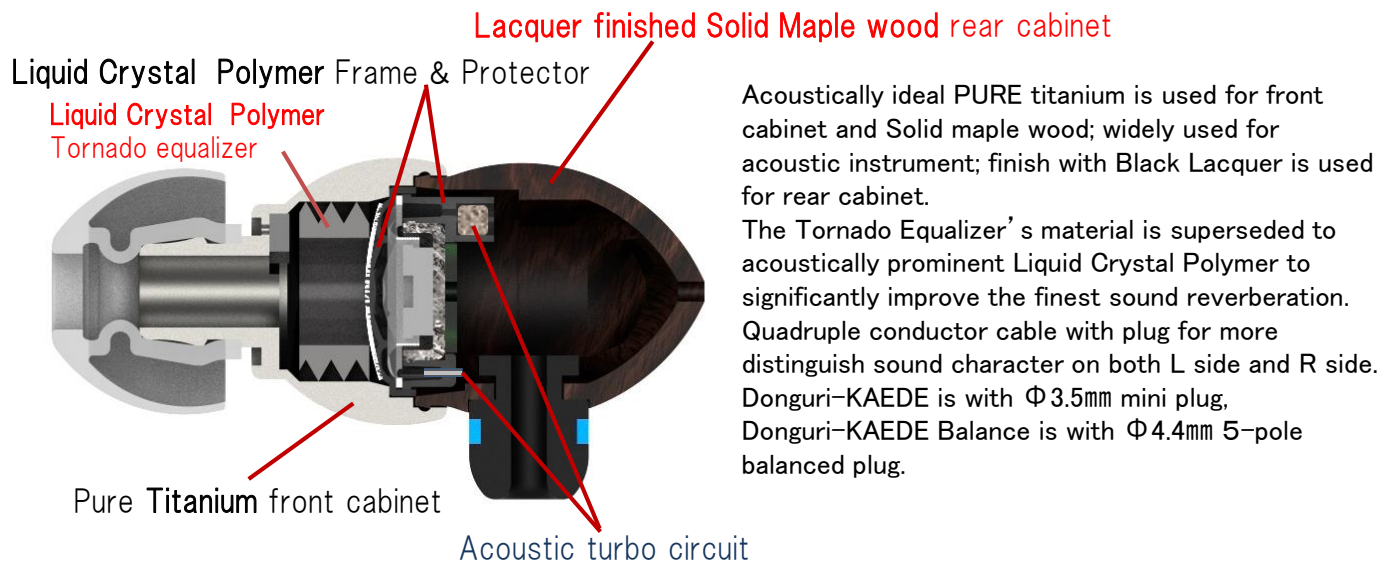
Open price Ocharaku-Sound Customize Estimated retail price

Donguri-KAEDE 62,500JPY (Before text) 67,500JPY (After tax)

Donguri-KAEDE Balance 72,500JPY (Before tax) 78,300JPY (After tax)

Release date 24th of November, At Fujiya-avic, e-earphone, Yamano instrument Ginza brunch, Yodobashi-camera (selected brunch only), Oak village, Ocharaku Sound Customize shop and others.

November 3rd, 4th trial/exhibition at autumn Headphone Festival 2017' sponsored by Fujiya-avic



The acorn shape interior suppresses internal standing wave to achieve more natural sound.

**Tornado Equalizer Circuit**

Ocharaku's patented acoustic technology "Tornado Equalizer Circuit" (*1) suppresses the sound deterioration factor of resonance around 6kHz which generally occurs on canal earphones.

The Acoustic Turbo Circuit flexibly controls the equivalent mass in the vibrating system.

Deep bass range enhancement and sensitivity improvement in midrange is achieved by lower f0.

Adopting single element compact structure and yet able to smoothly reproduces from ultra-low to ultra-high tone ranges.

(*1) Tornado Equalizer Circuit JPN Pta No.4681698 US Pat.No.8885865 Euro Pat. No.2461602

Comparison table

	Donguri-KAEDE NEW!	Donguri-KAEDE Balance NEW!	Donguri-KEYAKI Ti Plus
Rear cabinet	Solid maple wood Finished with lacquer	Solid maple wood Finished with lacquer	Solid Japanese Zelkova With oil finish
Tornado Equalizer	Liquid Cristal Polymer	Liquid Cristal Polymer	Polypropylene
Cable with plug	Φ3.5mm3-pole stereo mini plug *quadruple conductor cable (cable brunch point to plug)	Φ4.4mm5-pole balanced plug *quadruple conductor cable (cable brunch point to plug)	3-pole stereo mini plug *quadruple conductor cable (cable brunch point to plug)

Technical data	Donguri-KAEDE & Donguri-KAEDE Balance
Element (side)	010e005 Liquid Crystal Polymer frame & protector Φ10mm Dynamic type × 1 (on each side)
Acoustic system	Tornado Equalizer system
Output sound pressure level	106dB SPL/mW
Frequency	5~40kHz (High-resolution compatible)
Max input	200mW
Impedance	18Ω

Donguri-KAEDE	
Mass	約19g
Plug	Φ3.5mm gold plated stereo mini plug
Cable	Quadruple conductor cable 1.2m (Y type)
Accessories	Silicon ear tips SpinFit S, L size (M size on product) Foam ear tips Comply Ts-200 M size L type connection cable, wooden casing, Manual instruction/Warranty card

Donguri-KAEDE Balance	
Mass	約23g
Plug	Φ4.4mm 5-pole Gold plated non-oxidized copper plug
Cable	Quadruple conductor cable 1,2m (Y type)
Accessories	Silicon ear tips SpinFit S, L size (M size on product) Foam ear tips Comply Ts-200 M size L type connection cable, wooden casing, Manual instruction/Warranty card

Other features

Less sound distortion around wide frequency range by Tornado Equalizer. (High-resolution compatible)

Improvement on sound leakage; highly sound insulated. (Comparison to Flat4 series) .

Quadruple conductor cable with plug for more distinguish sound character for both side.

Perfectly tuned for both silicon ear tips "SpinFit" and Comply ear tips:

When using silicon ear tips: improvement on high frequency over 10kHz for a crisp and clear sound.

When using Comply foam Ts-200 ear tips: Great improvement on sound insulated.

Tangential-less Diaphragm gives clean middle to high register sound with less distortion.

Powerful Neodymium magnet; Maximum Energy Product of 366kJ/m³(46MGOe) .

Liquid Crystal Polymer Frame & Protector suppresses leakage magnetic flux and configure a powerful magnetic circuits.