

Kolberg Marimba

The world's most modern
marimba



Marimba Avantgarde



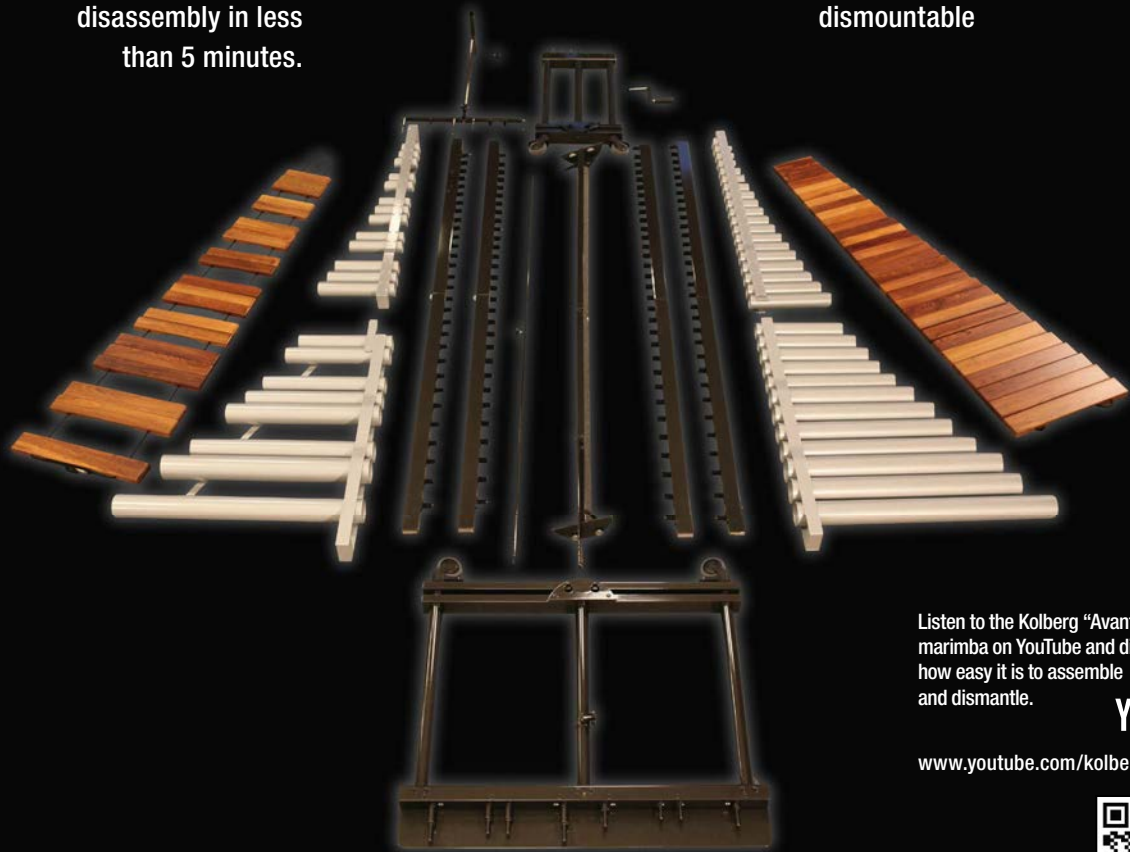
A-MARIMBA „AVANTGARDE“ 4 1/3 OCTAVES A - c4, ALUMINIUM RESONATORS

Item no.	2447
Range	A - c4 / A2-C7 (4 1/3 octaves)
Pitch	443 Hz (other pitches upon request)
Bars	Honduran Rosewood
Bar width	78 - 45 mm
Height adjustment	86 - 106 mm (infinitely)
Dimensions	212 x 94 mm (l x w)
Weight	63.8 kg

- Aluminium resonators with adjustable resonator bases by means of an handle adapter
- Lightweight frame made from high-quality aluminium (24 kg)
- All connection points are provided with seated felt dampeners
- Dismantles for easy transportation
- Quick assembly and disassembly
- Two sets of mallets „Jasmin Kolberg Solo“ included

Assembly and
disassembly in less
than 5 minutes.

space saving
dismountable



Listen to the Kolberg "Avantgarde"
marimba on YouTube and discover
how easy it is to assemble
and dismantle.



www.youtube.com/kolbergpercussion



Jasmin Kolberg
talks about the
"Avantgarde"
marimba

I've been giving concerts for more than 30 years and know practically every marimba on the market. However, until the advent of the "Avantgarde" marimba in 2001, none of the available instruments met all my criteria:

- Brilliant, voluminous and warm sound
- Homogenous timbre across the entire range of the instrument
- Low weight
- Easy to transport, even for one person
- Quick set up and dismantling
- No unwanted vibrations, even after years of heavy use
- Resonator stops that are easy to reach and adjust

I've been playing the "Avantgarde" for more than 20 years now, and I am still thrilled by its capabilities.

Finally pure music, without compromise.

Jasmin Kolberg



www.facebook.com/KolbergGermany

Instagram [kolbergpercussion](https://www.instagram.com/kolbergpercussion)

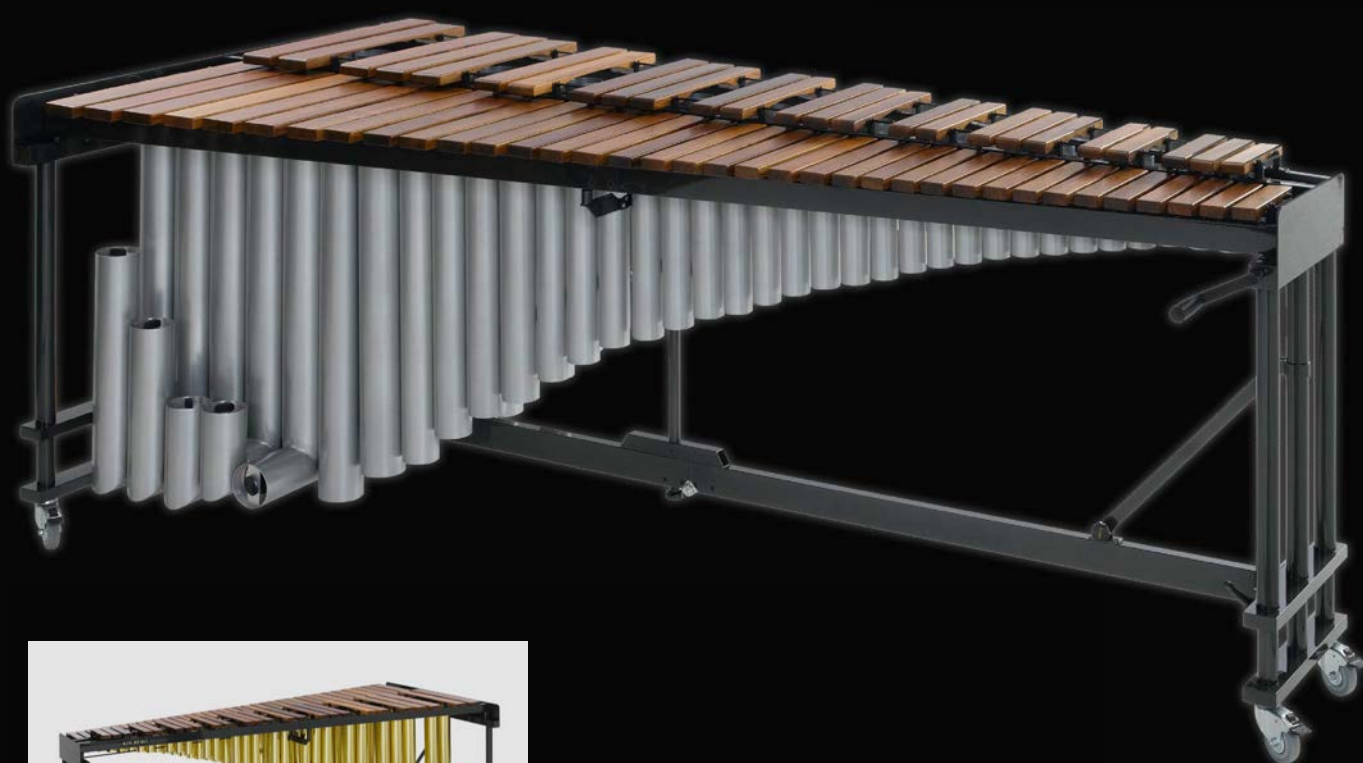


www.youtube.com/kolbergpercussion



Kolberg Percussion GmbH · Stuttgarter Str. 157 · 73066 Uchingen · T: +49 (0) 71 61 / 30 05-0 · info@kolberg.com · www.kolberg.com

Marimba Avantgarde



C-MARIMBA "AVANTGARDE" 5 OCTAVES C - c4, ALUMINIUM RESONATORS

Item no.	2445A
Range	C - c4 / C2-C7 (5 octaves)
Pitch	443 Hz (other pitches upon request)
Bars	Honduran Rosewood
Bar width	83 - 45 mm
Height adjustment	86 - 106 mm (infinitely)
Dimensions	260 x 108 cm (l x w)
Weight	89 kg

- Aluminium resonators with uniquely adjustable resonator bases
- Lightweight frame made from high-quality aluminium (27 kg)
- All connection points are provided with seated felt dampeners
- Dismantles for easy transportation
- Quick assembly and disassembly
- Two sets of mallets „Jasmin Kolberg Solo“ included

Construction

The entire frame, which sports an elegant, modern design is made from high-quality aluminium tubing that ensures both low weight (only 27 kg!) and high stability. Each of the four wheels is equipped with locking brakes and pivot stops to ensure that the instrument remains perfectly stationary during use. All connection points, such as the rails and the resonator mounting brackets are provided with seated felt dampeners to reliably eliminate unwanted vibrations.

All frame parts are covered with a rugged, scratch-and-impact resistant powder coating. The standard colour of the frame is anthracite-metallic; other colours, based on the RAL colour spectrum, are available on request.



(1)



(2)



(3)

Innovative height adjustability (1)

A new Kolberg invention allows the marimba height to be adjusted synchronously at a single location by one crank handle, located in front of the player on the small end of the marimba. A scale on the side-column precisely displays the adjusted height. The standard height range of the instrument is 86 to 106 cm; other height ranges are available on request.

Hinged connections (2)

The rails and the centre brace employ a special system of internal hinges that ensure optimal lateral and longitudinal stability.

Centre column (3)

The centre column serves to support the rails and resonators, as well as to increase the overall stability of the instrument. Sagging rails are a thing of the past. Spacers between rails are no longer needed.

Set-up and dismantling

Due to the near complete lack of bolted fasteners, the instrument can be easily assembled and disassembled: quick-release fasteners connect the centre brace to the side columns, plug-fit dampeners connect the rails and the resonator mounting brackets to the side columns and the resonator blocks are simply hung in place within the frame.

The amazing assembly and disassembly times speak for themselves:

Two people can set up the instrument in 2 minutes, one person in 4 minutes.

Two people can dismantle it in 1 minute, one person in 2 1/2 minutes.



You know the situation:

You arrive at the concert hall and none of the promised helpers shows up to carry your instrument onto the stage. A ray of hope: an elevator! But it's out of order. You'll have to use the stairway. You can feel your arms weakening as you lug your marimba up the steps, and you ask yourself, "Why does this thing have to be so heavy and bulky?"

The answer is: it doesn't!

Kolberg's ingenious aluminium construction eliminates unnecessary weight and simplifies assembly. One person can easily carry and assemble the instrument. What's more, the set up and dismantling can be carried out in record time thanks to plug-fit connections and quick-release fasteners. This leaves more time to warm up or rest prior to a performance. And the lack of complex mechanical parts minimizes the risk of injuring a finger during setup.

With the "Avantgarde" marimba you are at ease when you walk on stage.

Marimba Resonators

The resonators are divided into blocks to save space and weight and anchored to the frame by high-precision felt dampeners. An additional bolted connection is not necessary. Each resonator is held in place by means of high-quality rivets. To eliminate unwanted vibration, glue is applied between all contact points. The mitred edges of the elbow resonators are welded using a special technique.



Adjustable resonators (A-Marimba Avantgarde) (2)

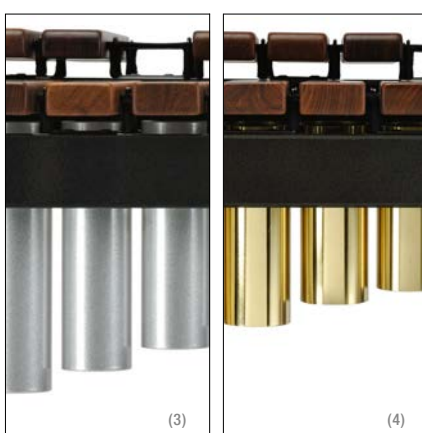
The bases of the resonators can be moved by means of a handle adapter while maintaining the usual tension. The resonators in the octave range A to c2 (A2-C5) are adjustable.

Unique system for adjusting the resonator base (C-Marimba Avantgarde) (2)

A temperature difference of 10°C changes the length of the C-resonator by about 2.5 cm. Thus, it is critical that a musician can adjust the height for the optimal sound volume.

The Kolberg Marimba, unlike conventional systems, employs an especially developed coarse thread spindle that lets the marimbist adjust the resonator base ("resonator stops") quickly and more efficiently. This system also enables the stop to retain its normal tension during repositioning, so that the sound volume remains constant. This in turn, makes it easier to locate the optimal resonance point.

The resonators for the notes from C to c2 (C2-C5) can be adjusted using this system.



Aluminium version (3)

The resonators are made from special aluminium tubing produced exclusively for Kolberg Percussion. The surface of each resonator is covered with a rugged, scratch-and-impact resistant powder coating. The standard colour is silver-metallic; other colours, based on the RAL colour spectrum, are available on request.

Brass version (4)

The resonators are made from high-quality, precision engineered brass tubing. The surface of each resonator is polished to a high gloss finish.

Exclusively cylindrical resonators

Cylindrical resonators located directly below the centre of each bar, let you create all manner of colours from each note: a full, ringing tone in the middle of the bar to a dry tone near the cord. By taking full advantage of the range of sound colours and by using different mallets, the tonal nuances you can generate are infinite!

This is not the case with resonators that run nearly from rail to rail.

In addition, the fact that all of the resonators have the same shape ensures a balanced sound across the entire instrument.

In my personal experience, a circular cross-section better amplifies the fundamental, reduces diffuse harmonics, and thereby produces a true, balanced, and voluminous sound.

Adjustable resonator stops

It is necessary to adjust the instrument to respond to variable conditions of humidity and temperature.

Anyone who has played one day in a 14° C church and the next day in an overheated 25° C concert hall knows exactly what I am talking about.

Adjustable resonator stops allow optimal dynamic control.

Mallets

MARIMBA MALLET "JASMIN KOLBERG SOLO"

Marimba Mallets for World-Class Sounds - Experience the perfect harmony of brilliant yet voluminous sound, elegant design and a unbeatable playing feel.

This Marimba Mallets are the result of a 15 year long development and optimization process together with leading soloists of our time. Numerous prize winners of renowned competitions play them: among them the ARD International Music Competition, TROMP Percussion Competition Eindhoven, The World Marimba Competition, Universal Marimba Competition Belgium, Southern California Marimba Competition and Concours de Genève.

100% made in Germany by hand in combination with most modern precision machines, these Multitone-Mallets are made of certified wood and sustainable quality materials.

The different grades of hardness

All models (Solo 1 through 4) are available in different grades of hardness, which are colour coded: yellow (hard sound), red (succinct sound), blue (soft sound), green (very soft sound).

Contact us with any queries or for a personal consultation.



Jasmin Kolberg,
www.jasmin-kolberg.com

THE SYSTEM

SOLO 1 AND SOLO 2

The models Solo 1 and Solo 2 both have plastic cores with a brilliant sound character rich in contrasts. Depending on the chosen grade of hardness, a very warm sound colour may be produced simultaneously.

The difference between Solo 1 and Solo 2:

Solo 1 has less wool around the core and is tighter wrapped than Solo 2. Therefore, an intensive and evenly articulated sound is always achieved. The sound is voluminous, but still direct.

Solo 2 has more wool around the core and is loosely wrapped. Therefore a legato effect can be accomplished with a soft play. When striking with more velocity, the brilliant and focused sound character of the plastic core is audible even in the highest register, depending on the chosen grade of hardness.

SOLO 3 AND SOLO 4

The models Solo 3 and 4 both have rubber cores. Therefore the sound character is warmer in comparison to Solo 1 and 2.

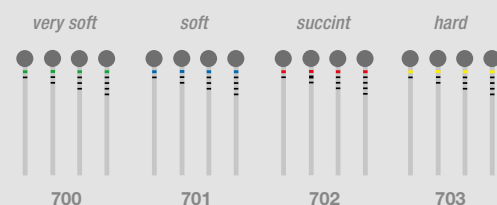
The difference between Solo 3 and Solo 4:

Solo 3 has less wool around the core and is tighter wrapped than Solo 4. Therefore an evenly articulated sound is always achieved. The sound is voluminous and soft, but still direct in all dynamics.

Solo 4 has more wool around the core and is loosely wrapped. Therefore a legato effect can be accomplished with a soft play. When striking with more velocity, the sound becomes more direct, yet remains warm in all dynamics due to the sound character of the rubber core.

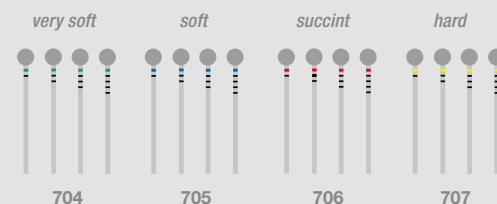
Solo 1

articulate and brilliant sound (plastic core). Ideal for ensemble literature or solo-compositions demanding transparent sounding lines.



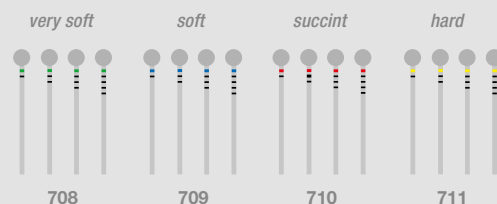
Solo 2

voluminous legato-sound rich in contrasts (plastic core). Ideal for compositions demanding rolls and also passages with clear and assertive character.



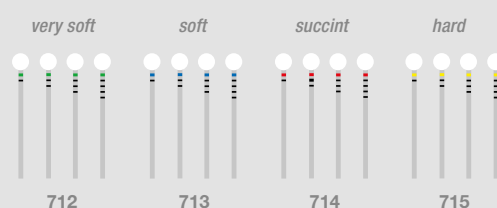
Solo 3

articulate and warm sound (rubber core). Ideal for compositions demanding transparent yet warm sounding lines in all dynamics.



Solo 4

warm, voluminous legato-sound. Ideal for compositions demanding rolls and also warm sounding passages.



Bars

The bars are made from the finest Honduran rosewood, personally selected by Bernhard Kolberg in its country of origin. The wood is seasoned in the Kolberg storage facility in Germany for up to 12 years.

The standard pitch is 443 Hz, but other pitches are available on request. The front edges of the sharps are rounded for more comfortable playing.

The widths of the bars range from 83 mm to 45 mm.



Marimba Transport

To protect your precious instrument during transport, the following options are available:

- Robust, well cushioned bags
- Very sturdy, delicately lined hard-cases
- Very durable flight cases for the best possible security and protection whilst travelling



BAGS FOR A-MARIMBA "AVANTGARDE" 2447 (ALU), SET OF 6

Item no.	2447TA
Weight	12 kg

BAGS FOR C-MARIMBA "AVANTGARDE" 2445A (ALU), SET OF 8

Item no.	2445ATA
Weight	17.5 kg

BAGS FOR C-MARIMBA "AVANTGARDE" 2445AM (MESSING), SET OF 10

Item no.	2445ATM
Weight	19.5 kg

FLIGHT CASE FOR A-MARIMBA "AVANTGARDE", 2447, DISASSEMBLED, IN BAGS

Item no.	2447FT
Dimensions	approx. 110 x 85 x 131 cm (h x w x d)
Weight	75 kg

FLIGHT CASE FOR C-MARIMBA "AVANTGARDE", 2445A, DISASSEMBLED, IN BAGS

Item no.	2445AFT
Dimensions	approx. 140 x 90 x 156 cm (h x w x d)
Weight	80 kg

FLIGHT CASE FOR C-MARIMBA "AVANTGARDE", 2445AM, DISASSEMBLED, IN BAGS

Item no.	2445AMFT
Dimensions	approx. 140 x 90 x 156 cm (h x w x d)
Weight	80 kg