

# marantz®

KI Ruby

COLLECTOR'S ITEM  
INDIVIDUALLY NUMBERED  
LIMITED TO 1,000 SETS



When skill and passion work together,  
expect a masterpiece.

# because music matters

*"Music is the highest form of art. It is also the most noble. It is human emotion, captured, crystallised, encased ... and then passed on to others."*



Ken Ishiwata,  
Marantz Brand Ambassador

**SA-KI RUBY SUPER AUDIO CD-PLAYER WITH DAC**  
**PM-KI RUBY INTEGRATED AMPLIFIER**



**40 years of dedicated passion, Ken Ishiwata celebrates ruby anniversary with Marantz.**

Ken Ishiwata has been at the heart of Marantz for 40 years, but his influence extends beyond the many wonderful products he has developed for the company in that time. Today he is perhaps the most recognised and influential figure in the world of high-end audio, with an avid global following among the hi-fi press and discerning consumers for his ability to design and tune products that simply bring listeners closer than ever to the music.

He has a unique ability to conceptualise stunning sound reproduction, design the equipment required to achieve it, and then deliver enthralling demonstrations around the world leaving listeners spellbound with the new insights Marantz products can deliver into even the most familiar music. With his awareness of the company's 65+-year heritage, he is totally involved with all newly-designed Marantz units, and works with highly talented engineers, introducing new models to the world for music-lovers to enjoy.

**Refining the harmony**

In exploring and examining every aspect of every design, just occasionally he finds a product with extra potential, which he can then take beyond the Marantz standard he sets and into something even more special. On those rare occasions he puts even more of his experience and expertise into the project, creating a 'what if...?' model embodying even more of the Ishiwata sound by improving sound-critical components through a process of careful selection and subtle blending, testing, listening and testing again. Thus is a KI Signature product born, in a process akin to creating fine music: as Ishiwata says, 'Like any musical performance, all the players must understand and be capable of fulfilling their role. Nothing more. Nothing less.'

**Signature pieces**

The KI Ruby SACD player and amplifier go beyond even the standards of past KI Signature achievements, embodying all of Ken Ishiwata's experience and expertise, and that of the Marantz engineering team. Since the original CD63 MkII KI Signature CD player was launched more than 20 years ago, the knowledge of how to make a fine-sounding product truly magical has grown with each new KI Signature launch – in the KI Ruby models, launched to mark Ken Ishiwata's 40th anniversary with the company, that process has created products as special as they are covetable.

If you want to discover exactly how Ken Ishiwata likes great music to sound, look no further – and prepare to be amazed.

**BECAUSE MUSIC MATTERS - And value remains.**





## PM-KI RUBY

### INTEGRATED AMPLIFIER

**COPPER**  
PLATED CHASSIS

**TOROIDAL**  
TRANSFORMER

**CUSTOMISED**  
COMPONENTS

**HDAM SA3**

**POWER AMP**  
DIRECT

**SYMMETRIC**  
LAYOUT

Marantz has been designing and making amplifiers for more than 65 years, and for 40 of those the products have reflected expertise of Ken Ishiwata. Now, to mark his four decades with the company, the PM-KI Ruby amplifier has been developed and tuned by a highly experienced engineering team led by KI himself. And it arrives bearing Ken Ishiwata's signature and a special Ruby motif.

The PM-KI Ruby is built with just one aim – audio performance – which is why it uses a fully discrete two-stage design with separate power supplies for the preamplifier and power amp section, and draws on the design of the flagship PM-10 amplifier with its moving coil/moving magnet phono stage complete with Marantz Musical Premium Phono EQ circuit, and Marantz HDAM technology throughout for signal purity.

The circuitry offers the cleanest signal path through amplifier, which delivers 100W per channel into 8ohm speakers, or 200Wpc into 4ohm, and there are high-quality nickel-plated input terminals, and high-purity copper speaker connections. It's all built on a vibration-resistant double layer chassis, with thick aluminium panes for rigidity and a laser-etched Ken Ishiwata signature to set this apart as a very special amplifier.

Extensive and painstaking tuning has long been the secret of fine-sounding Marantz amplifiers, and for the PM-KI Ruby Ken Ishiwata and the Marantz engineering team used all their experience and expertise, both in the design of the amplifier and in the long listening sessions involved in finalising the sound. As you would expect for a product marking a 40-year career, the PM-KI Ruby is a real cause for celebration, and a fine embodiment of the Marantz ethos – 'Because music matters'.



### At a glance

- Engineered and extensively tuned by a team led by Ken Ishiwata, drawing on more than 65 years of Marantz amplifier design knowledge
- Marantz high-resolution preamplifier stage using proprietary HDAM technology
- Switching power amplifier design derived from flagship PM-10 amplifier
- Generous output: 100W + 100W (8 ohm), 200W + 200W (4 ohm)
- Fully-discrete two-stage design for signal purity, with separate power supplies for preamp and power amplifier sections to reduce interference
- Toroidal transformer dedicated to preamp for clarity and precision sound
- Current feedback design with newly-developed wide-range circuitry
- HDAM® SA3 circuitry for clean signal and optimal dynamics
- MM/MC Phono input with new discrete Marantz Musical Premium Phono EQ circuit
- Thick nickel plated independent input terminals for CD and Phono, plus Marantz original high-quality/high-purity copper speaker terminals
- Linear volume control with new electric volume system
- High-quality construction with double-layer chassis, 5mm thick aluminum top lid, solid aluminum front and copper plated chassis
- Laser-engraved 'Ken Ishiwata' signature and Ruby motif, marking Ken Ishiwata's 40 years with Marantz

FEATURES	
Channels	2
Current Feedback Topology	•
Phono EQ	Marantz Musical Premium Phono EQ
HDAM version	SA3, SA2
Power Transformer	Toroidal and SMPS
High Grade Audio Components	•
Customised Components	•
Symmetric PCB Layout	•
Aluminium extrusion heat sink	• (Separate)
Copper plated chassis	•
INPUTS/OUTPUTS	
Audio Inputs/Outputs	6 / 2
Phono Input: MM / MC	• / •
Power Amp IN	•
Gold Plated Cinch	• / CD and Phono nickel-plated
Speaker Terminals:	Marantz SPKT-100+
Number of terminals	2
D-Bus	•
Floating Control Bus (3.5 mm mono jack x 2)	•
Headphone Out	•
SPECIFICATIONS	
Power Output (8 / 4 Ohm RMS)	100W / 200W
Frequency Response	5 Hz - 50 kHz
Total Harmonic Distortion	0.005 %
Damping Factor	500
Input Sensitivity: MM	2.3 mV / 39 kohm
Input Sensitivity: MC	250 µV / 100 ohm
Signal to Noise Ratio: MM/MC	88 / 75 dB
Input Sensitivity: High level	220 mV / 13 kohm
Signal to Noise Ratio: High level	107 dB (2V input/rated output)
Input Sensitivity: Power Amp Direct IN	1.1 V / 13 kohm

\* All specs can be subject to change.

OTHERS	
Linear Drive Power Supply	• (pre-amplifier stage)
Linear volume control	•
Bi-AMP and Multichannel option	•
Schottky diodes	•
Double Layer Bottom Plate	•
OLED LCD display	•
5mm aluminium top plate	•
GENERAL	
Available colours:	Gold / Black
Metal Front Panel	•
Power Consumption in W	130
Standby Consumption in W	0.2
Auto Power off	•
Detachable Power Cable	•
Remote Control	RC005PMSA
System Remote Function	•
Maximum Dimensions (W x D x H) in mm	440 x 453 x 127
Weight	15.7kg



# SA-KI RUBY

SUPER AUDIO CD PLAYER WITH DAC



Marantz was in at the start of CD, launching its first player – the original CD-63 – in 1982. By then, Ken Ishiwata had been with the company for four years, and was to play a major role in the development of Marantz players from the start. But he went further than that: early on he realised that there was scope for highly-tuned versions of the company's players, and thus was born the trend of Limited Edition, Special Edition and, latterly Ken Ishiwata Signature models, all designed to take the exceptional CD performance of Marantz models to the ultimate level.

Of these, perhaps the best-known is the classic CD63MkII KI-Signature, which Ishiwata describes as 'still one of the most musical CD players we've produced.' Now there's a new classic, engineered and extensively tuned to mark Ishiwata's 40th anniversary with Marantz – the SA-KI Ruby. Drawing on the development process for the flagship SA-10, and designed by the same team, the SA-KI Ruby features a new disc mechanism built purely for audio, the "SACDM-3", able to play SACDs, CDs, and compilations on CD-ROM or DVD-ROM. It also has an asynchronous USB input, able to handle formats all the way up to PCM / DXD 384kHz/32bit and DSD11.2MHz, and handles all digital music with a unique Marantz Musical Mastering technology.

By upconverting all file formats to DSD, using advanced filtering and processing, then using employing direct 1-bit conversion to feed the analogue outputs, the SA-KI Ruby delivers a sound with vivid detail, effortless dynamics and remarkable presence – all qualities central to Marantz CD players over many generations.

The Marantz engineering team has created this player not just to mark Ishiwata's 40th anniversary, but also to deliver the kind of sound able to bring you closer than ever to your favourite music. The reason is simple, and central to everything Marantz does – "Because music matters".



### At a glance

- Engineered and extensively tuned by a team led by Ken Ishiwata, drawing on more than 35 years of Marantz expertise in CD players
- In-house-developed SACD/CD mechanism "SACDM-3", designed purely for audio
- SACD/CD playback, and playback of compilations on CD-ROM and DVD-ROM
- Asynchronous USB input for hi-res audio up to PCM / DXD 384kHz/32bit and DSD11.2MHz
- Isolation of USB and digital inputs to block noise from internal and external sources
- Innovative Marantz Musical Mastering 'MMM-Stream' upsampling to DSD and filtering
- Custom-designed 1-bit direct 'MMM – Conversion' from DSD to analogue
- New analogue output stage with Marantz HDAM-SA3 and HDAM-SA2 technology and low impedance output
- Power supply using toroidal transformer
- Dedicated headphone amplifier with all-discrete construction featuring HDAM-SA2
- Laser-engraved 'Ken Ishiwata' signature and Ruby motif, marking Ken Ishiwata's 40 years with Marantz

FEATURES	
CD Compatibility: CD / CD-R/RW / SA-CD / WMA / MP3 / AAC	• / • / • / • / • / •
SA-CD Text / ID3 Tag / WMA TAG	• / • / •
USB input	•
DAC operation mode: USB / Coax / Optical	• / • / •
Asynchronous mode rear USB	•
Bit-perfect transmission	•
USB-B DSD Audio Streaming: DSD2.8 / 5.6 / 11.2MHz	• / •
Isolator works not only for DAC mode but also for SACD/CD mode	•
HDAM version	SA3, SA2
Power Transformer	Toroidal
High Grade Audio Components	•
Customised Components	•
Symmetric circuit layout	•
Copper plated chassis	•
5 mm aluminum top plate	•
Digital out off	•
INPUTS/OUTPUTS	
Analogue Out (Cinch)	2ch
Digital Optical In / Out	• / •
Digital Coaxial In / Out	• / •
Gold plated Cinch	• / Analog out Nickel plated
USB type A input, USB memory devices (back)	•
USB type B input for PC (back)	•
D-Bus	•
Headphone Out	•
Headphone Gain Control	•

SPECIFICATIONS	
Mechanism	SACDM-3
Low Pass Filter stage	HDAM-SA3/SA2 (current feedback)
Output Buffer	HDAM SA3
Headphone amp	HDAM-SA2 (current feedback)
SA-CD AUDIO	
Frequency Response	2 Hz - 50 kHz
Dynamic Range	109 dB
Signal to Noise Ratio	112 dB
Total Harmonic Distortion	0.0008% (1kHz)
CDDA AUDIO	
Frequency Response	2 Hz - 20 kHz
Dynamic Range	98 dB
Signal to Noise Ratio	104 dB
Total Harmonic Distortion	0.0015% (1kHz)
GENERAL	
Available colors: Gold / Black	• / •
Metal Front Panel	•
Remote Control	RC005PMSA
Power Consumption	47 W
Standby Consumption	0.3 W
Auto power off	•
Detachable Power Cable	•
Maximum Dimensions (W x D x H)	440 x 419 x 127 mm
Weight	17.1kg

### USB-B / DIGITAL COAXIAL / DIGITAL OPTICAL

INPUT	FORMAT	SAMPLING RATE	BIT LENGTH
USB-B	DSD	2.8 / 5.6 / 11.2 MHz	1 bit
	PCM	44.1 / 48 / 88.2 / 96 / 176.4 / 192 / 352.8 / 384 kHz	16 / 24 / 32 bit
Digital Coaxial	PCM	44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz	16 / 24 bit
Digital Optical	PCM	44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz	16 / 24 bit

### USB-A IN

FORMAT	SAMPLING RATE	BIT RATE	BIT LENGTH	FILE EXTENSION
DSD	2.8 / 5.6 MHz	–	1 bit	.dsf / .dff
WAV	44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz	–	16 / 24 bit	.wav
FLAC	44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz	–	16 / 24 bit	.flac
ALAC	44.1 / 48 / 88.2 / 96 kHz	–	16 / 24 bit	.m4a
AIFF	44.1 / 48 / 88.2 / 96 / 176.4 / 192 kHz	–	16 / 24 bit	.aiff/.aiff
MP3	44.1 / 48 kHz	32 – 320 kbps	–	.mp3
WMA	44.1 / 48 kHz	48 – 320 kbps	–	.wma
AAC	44.1 / 48 kHz	16 – 320 kbps	–	.aac/.m4a

\* All specs can be subject to change.



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