THE SOUNDMAKERS

PREMIUM PR:O

THE GERMAN AUDIO STANDARD ›



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The made-in-Germany quality of PREMIUM PR:O is noticeable in every detail. Featuring top-drawer components and advanced DSP technology in resonance-resistant, roadworthy wood enclosures, these speakers deliver the outstanding audio performance their 'premium' name suggests. With more than 150,000 units sold this past decade, the comprehensive PREMIUM PR:O range of passive and powered loudspeakers has raised the bar for modular, musician-friendly sound systems in Europe.

Debuting in 2016, the active DSP-based fullrange PREMIUM PR:O models come with state of the art features. Their technical specs and hardware appointments are certainly strong points, and their acoustical performance is no less impressive. Retaining their popular predecessors' highly acclaimed attributes such as roadworthiness, excellent speech reproduction, and intuitive, plug and play handling, these units are the perfect counterparts to the PR:O 210 SUB A and PR:O 18 SUB A powered subwoofers.

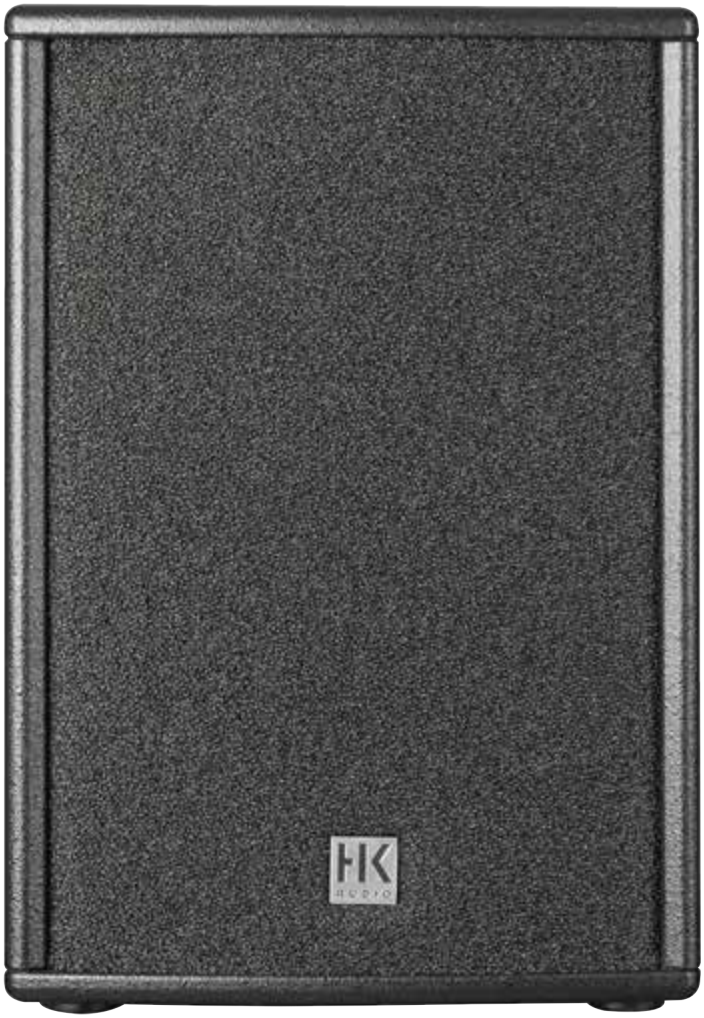
HK Audio also offers the option of choice for powering the passive models – the Key Rack 1.12. This advanced amplification solution is phenomenally easy to handle, especially via tablet or PC remote control. The Key Rack 1.12's engine is the Lab.gruppen IPD 1200, a cutting-edge controller amp. It comes in a soft case and with the filter presets for all PREMIUM PR:O models pre-installed.





› PREMIUM PR:O ACTIVE CABINETS

There are seven powered PREMIUM PR:O models: five DSP-based fullrange, 1,200-watt speakers and the PR:O 210 SUB A and PR:O 18 SUB A subwoofers. Courtesy of their modular design, these enclosures may be mixed and matched freely for standalone use, in 2.1 setups, and as half stacks and full stacks to meet the most diverse demands. Outstanding German craftsmanship, a five-year warranty, rugged resonance-resistant wood cabinets, first-rate components, custom-designed speakers – all this puts the 'premium' in PREMIUM PR:O.



The new DSP-based fullrange models impress on every level thanks to their freshly developed preamps and the latest generation of ultra-efficient, 1,200-watt class-D amplifiers with bi-amping. These technological innovations mean the active PREMIUM PR:O models are clearly a class above their predecessors in every respect. The DSP features – like EQ presets, tone controls and an FIR crossover – effortlessly helping you overcome any acoustic challenges in a live music environment. While on the inside the cabinets are making use of high-end and complex technologies, they remain extremely simple and intuitive to operate thanks to the PREMIUM PR:O "plug and play" philosophy.

KEY FEATURES OF THE D MODELS



1,200-WATT CLASS-D BI-AMPING
High-performance power amps for high SPL and a transparent sonic image

DSP WITH „PLUG AND PLAY“
State of the art DSP features and no complex menus result in intuitive operation

EQ PRESETS
Flat and Boost presets for use either with subwoofers or as a standalone unit for a powerful low end

TONE CONTROL
Music and Speech control for adjusting the characteristics of the sound

FIR CROSSOVER FILTERING
Transparent, high-fidelity midrange for excellent speech intelligibility

STELLAR FULLRANGE PERFORMANCE
Muscular bass response and a Boost function for standalone applications

MODULAR DESIGN PRINCIPLE
Lots of combination options for different applications

WOOD HOUSING
Rugged, roadworthy housing tuned for high SPL and a powerful bass response

CUSTOM DESIGNED LOUDSPEAKERS
Specially developed speaker components for outstanding performance

READY TO FLY
M8 rigging points for easy installation

MADE IN GERMANY WITH A FIVE-YEAR WARRANTY
High quality standards for reliability and durability

PREMIUM PR:O ACTIVE MID/HIGH UNITS

D MODELS



PR:O 10 XD

This truly multifunctional cab gets the job done nicely as a satellite, as a compact 10"/1" fullrange cabinet, or as a low-profile stage monitor. Its balanced frequency response defeats feedback and the Music/Speech knob tunes the unit for the given application. The integrated DSP-based power circuitry delivers 1,200 watts. And all this makes the PR:O 10 XD a powerful and flexible sound reinforcement tool.



PR:O 12 D

A fullrange cab in the classic 12"/1" format, this unit serves up a balanced sonic image and high SPL with remarkable speech intelligibility. The integrated DSP-based power circuitry delivers 1,200 watts to make the PR:O 12 D an assertive sound reinforcement tool. It's also the perfect satellite for the PR:O 18 S subwoofer.



PR:O 12 XD

This truly multifunctional cab gets the job done nicely as a satellite, as a compact 12"/1" fullrange cabinet, or as a low-profile stage monitor. Its balanced frequency response defeats feedback and the Music/Speech knob tunes the unit for the given application. The integrated DSP-based power circuitry delivers 1,200 watts. And all this makes the PR:O 12 XD an exceptionally versatile sound reinforcement tool.









PR:O 15 D

This cab's 15" woofer packs a bigger punch in the low midrange and bass frequencies than the PR:O 12 D's 12" speaker, so it is well suited for standalone deployment without a subwoofer. The integrated DSP-based power circuitry delivers 1,200 watts, helping make the PR:O 15 D a potent sound reinforcement tool.



PR:O 15 XD

This truly multifunctional cab gets the job done nicely as a satellite, as a compact 15"/1" fullrange cabinet, or as a low-profile stage monitor. Its balanced frequency response defeats feedback and the Music/Speech knob tunes the unit for the given application. The integrated DSP-based power circuitry delivers 1,200 watts. And all this makes the PR:O 15 XD an exceptionally powerful sound reinforcement tool.





PREMIUM PR:O ACTIVE SUBWOOFERS



PR:O 210 SUB A

Featuring two 10" woofers in a bass reflex enclosure, this unit pumps out impressive low end with plenty of kick and surprising depth. Remarkably compact and weighing just 27.2 kg, this versatile unit may be placed upright or sideways. It is readily combined with mid/high units to configure a powerful yet unobtrusive easy-to-use system that delivers outstanding performance. In addition to the 600-watt power amp, the PR:O 210 SUB A is equipped with a stereo preamp for 2.1 setups.



PR:O 18 SUB A

Sporting an 18" woofer in a bass reflex housing, this bass bin delivers a low-ranging foundation. Its specially designed x-over provides a continuously variable crossover frequency to always strike the right balance between the mid/high unit and subwoofer (Line Out Mid/High). In addition to the 600-watt power amp, the PR:O 18 SUB A is equipped with a stereo preamp for 2.1 setups.









ACTIVE SYSTEM SUGGESTIONS



STEREO SYSTEM

2 x PR:O 12 D
2 x Tripod

Up to 150 people*



2.1 SYSTEM

2 x PR:O 10 XD
1 x PR:O 210 SUB A
2 x Tripod

Up to 200 people*



HALF STACK SYSTEM WITH MONITORING

2 x PR:O 15 D
2 x PR:O 18 SUB A
1 x PR:O 12 XD (Monitor)
1 x PR:O 15 XD (Monitor)
2 x Distance Pole

Up to 300 people*



FULL STACK SYSTEM

2 x PR:O 15 D
4 x PR:O 18 SUB A

Up to 400 people*

*A note on audience size: these are suggestions, rather than recommendations, meaning these numbers are more for your general orientation. The actual coverage will depend on the room's size, layout, appointments and furnishings, as well as the area you want to cover and the sound pressure levels you wish to achieve.

› PREMIUM PR:0 PASSIVE CABINETS





The PREMIUM PR:O series of passive cabinets consists of six fullrange models:
the PR:O 8, PR:O 10 X, PR:O 12, PR:O 12 M, PR:O 15, and PR:O 15 X, and two subwoofers, the PR:O 210 S and the PR:O 18 S. Constructed the tried-and-true way with real wood and featuring a classic timeless design, these cabinets offer made-in-Germany quality and deliver excellent live music performance. Equipped with M8 rigging points, the fullrange models are easy to fly and therefore suitable even for acoustically challenging custom installations. They also render speech with amazing clarity.

HK Audio also offers the option of choice for powering the passive models, the Key Rack 1.12. This advanced amplification solution is phenomenally easy to handle, especially via tablet or PC remote control.

The Key Rack 1.12 comes in a lightweight soft case that stands two rack units tall. It is equipped with the groundbreaking IPD 1200 (2 x 600W @ 4Ω) amp made by Swedish specialists Lab.gruppen. With the IPD 1200 controller amp and the factory-included LoadLibrary of presets, it is an astonishingly efficient, turnkey power pack for driving passive versions of PREMIUM PR:O cabs.

PREMIUM PR:O PASSIVE MID/HIGH UNITS



PR:O 8

This compact 8"/1" fullrange cab delivers astonishing bass response and amazingly high SPL for its size. Its small footprint and included mounting hardware also make the PR:O 8 an excellent choice for effortless installation.



PR:O 10 X

This remarkably versatile 10"/1" cab can serve as a satellite, as a compact 10"/1" fullrange unit, or as a low-profile stage monitor. Its finely balanced frequency response helps defeat feedback.



PR:O 12

A fullrange speaker in the classic 12"/1" format, this cab features a balanced sonic image, excellent speech intelligibility and high SPL. It is also the perfect satellite for the PR:O 18.









PR:O 12 M

This high-quality 12"/1" stage monitor provides remarkably assertive voice and instrument reproduction in the 70 Hz to 19 kHz range.



PR:O 15

This cab's 15" woofer packs a bigger punch in the low midrange and bass frequencies than the PR:O 12 D's 12" speaker, so it is well suited for standalone deployment without a subwoofer.



PR:O 15 X

This bi-functional 15"/1" cabinet delivers powerful low-end response and high SPL. Remarkably feedback-resistant and amazingly articulate, it also serves users well as a monitor.







PREMIUM PR:O PASSIVE SUBWOOFERS





PR:O 210 S

Featuring two 12" woofers in a bass reflex enclosure, this unit pumps out impressive low end with plenty of kick and surprising depth. Remarkably compact and weighing just 26 kg, this versatile unit may be placed upright or sideways. It is readily combined with mid/high units to configure a powerful yet unobtrusive easy-to-use system that delivers outstanding performance.

PR:O 18 S

Sporting an 18" woofer in a bass reflex housing, this bass bin delivers a low-ranging foundation. The specially designed x-over provides the correct frequencies to the mid/high unit connected via the Satellite Out, thereby ensuring a clean separation without phase-shifting and striking the right balance between the mid/high unit and subwoofer.









PREMIUM PR:O PASSIVE SYSTEM SUGGESTIONS



STEREO SYSTEM

2 x PR:O 12
1 x Key Rack 1.12
2 x Tripod

Up to 150 people*



HALF STACK SYSTEM 1

2 x PR:O 8
2 x PR:O 210 S
1 x Key Rack 1.12
2 x Distance Pole

Up to 250 people*



HALF STACK SYSTEM 2

2 x PR:O 12
2 x PR:O 18 S
1 x Key Rack 1.12
2 x Distance Pole

Up to 300 people*



MONITOR SYSTEM

4 x PR:O 10 X
1 x Key Rack 1.12

*A note on audience size: these are suggestions, rather than recommendations, meaning these numbers are more for your general orientation. The actual coverage will depend on the room's size, layout, appointments and furnishings, as well as the area you want to cover and the sound pressure levels you wish to achieve.

ACCESSORIES

RAIN GEAR

With these protective covers in place, your cabinets will be ready to withstand the damp outdoors and well-protected on the way to gigs. Simply leave the covers on if the weather takes a turn for the worse. Rather than dampening the sound, the acoustic fleece merely keeps the dampness out.



PROTECTIVE COVERS

Made of water-repellent, extremely tear-resistant nylon, these thickly padded covers afford excellent protection for the PA en route to and from gigs. With slots providing easy access to the handles of all the cabinets, the enclosures may be carried with the covers on. Zip-fasteners fully seal the covers for mid/high units.



SATELLITE ADD-ON M20 SPEAKON®

A special accessory kit for deploying satellite speakers and subwoofers on M20 poles, the Satellite Add-On Package includes two aluminum mounting poles and two 3-meter long speaker cables for Speakon® connectors, all packed away neatly in a nylon carrying bag.





TECHNICAL DATA

PREMIUM PR:O ACTIVE

Model	PR:O 10 XD	PR:O 12 D	PR:O 12 XD	PR:O 15 D	PR:O 15 XD	PR:O 18 SUB A	PR:O 210 SUB A
Max SPL	122 dB half space (@10% THD)	124 dB half space (@10% THD)	124 dB half space (@10% THD)	125 dB half space (@10% THD)	125 dB half space (@10% THD)	125 dB half space (@10% THD)	123 dB half space (@10% THD)
Max SPL peak	131 dB half space (@10% THD)	132 dB half space (@10% THD)	132 dB half space (@10% THD)	130 dB half space (@10% THD)	130 dB half space (@10% THD)	127 dB half space (@10% THD)	126 dB half space (@10% THD)
Max SPL calculated	133 dB half space	133 dB half space	133 dB half space	133 dB half space	133 dB half space	127 dB half space	126 dB half space
Frequency response +/- 3 dB	81 Hz – 16 kHz	72 Hz – 16 kHz	80 Hz – 16 kHz	60 Hz – 16 kHz	61 Hz – 16 kHz	48 Hz – X-over	60 Hz – X-over
Frequency response -10 dB	69 Hz – 18 kHz	62 Hz – 18 kHz	69 Hz – 18 kHz	54 Hz – 18 kHz	57 Hz – 18 kHz	38 Hz – X-over	40 Hz – X-over
Power Rating	1,200 watts	1,200 watts	1,200 watts	1,200 watts	1,200 watts	600 watts	600 watts
Amplifier	Class D - biamped	Class D - biamped	Class D - biamped	Class D - biamped	Class D - biamped	Class D	Class D
Active protection circuits	Peak and RMS Sound Limiter (separate for HF and LMF)	Peak and RMS Sound Limiter (separate for HF and LMF)	Peak and RMS Sound Limiter (separate for HF and LMF)	Peak and RMS Sound Limiter (separate for HF and LMF)	Peak and RMS Sound Limiter (separate for HF and LMF)	Subsonic filter, Peak limiter	Subsonic filter, Peak limiter
LF Speaker						1 x 18"	2 x 10"
Low/Mid Speaker	1 x 10"	1 x 12"	1 x 12"	1 x 15"	1 x 15"		
HF Driver	1"	1"	1"	1"	1"		
HF horn	90° x 55° CD horn	90° x 55° CD horn	90° x 55° CD horn	90° x 55° CD horn	90° x 55° CD horn		
Cut-off Frequency active	2.5 kHz FIR X-Over with 48 dB/oct.	2.5 kHz FIR X-Over with 48 dB/oct.	2.5 kHz FIR X-Over with 48 dB/oct.	2.5 kHz FIR X-Over with 48 dB/oct.	2.5 kHz FIR X-Over with 48 dB/oct.		
X-Over						75 Hz – 150 Hz, switchable	75 Hz – 150 Hz, switchable
Connections	1x XLR-1/4"-Combo In, bal., 1x XLR-Through	1x XLR-1/4"-Combo In, bal., 1x XLR-Through	1x XLR-1/4"-Combo In, bal., 1x XLR-Through	1x XLR-1/4"-Combo In, bal., 1x XLR-Through	1x XLR-1/4"-Combo In, bal., 1x XLR-Through	2x XLR-1/4"-Combo In bal., 2x XLR Line Out Mid/High, 2x XLR Thru bal.	2x XLR-1/4"-Combo In bal., 2x XLR Line Out Mid/High, 2x XLR Thru bal.
Equalizer	Tone knob (Music / Speech) Bass Boost	Tone knob (Music / Speech) Bass Boost	Tone knob (Music / Speech) Bass Boost	Tone knob (Music / Speech) Bass Boost	Tone knob (Music / Speech) Bass Boost		
Angles up	35°		33°		42°		
Pole mount	DuoTilt 3/7	DuoTilt 3/7	DuoTilt 3/7	DuoTilt 3/7	DuoTilt 3/7	1x M20	2x M20
Rigging points	3 x M8	3 x M8	3 x M8	3 x M8	3 x M8		
Handles	1, integrated	2, integrated	2, integrated	2, integrated	2, integrated	2, integrated	2, integrated
Casters						optional, 100 mm	
Enclosure	MDF	MDF	MDF	MDF	MDF	MDF	MDF
Grille	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam
Finish	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black
Optional accessories	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20
Dimensions (WxHxD)	38 x 49 x 29 cm	39 x 57 x 36 cm	40 x 59 x 31 cm	47 x 62 x 42 cm	47 x 62 x 45 cm	53 x 61 x 64 cm	36 x 61 x 53 cm
Weight	13.2 kg / 29.1 lbs	18.7 kg / 41.2 lbs	16.3 kg / 35.9 lbs	23.7 kg / 52.3 lbs	22.6 kg / 49.8 lbs	39.8 kg / 87.8 lbs	27.2 kg / 59.9 lbs

*@10% THD

PREMIUM PR:O PASSIVE

Model	PR:O 8	PR:O 10 X	PR:O 12	PR:O 12 M	PR:O 15	PR:O 15 X	PR:O 18 S	PR:O 210 S
Power-handling nominal (RMS)	300 watts	300 watts	400 watts	400 watts	400 watts	400 watts	500 watts	500 watts
Power-handling, program	600 watts	600 watts	800 watts	800 watts	800 watts	800 watts	1,000 watts	1,000 watts
Power-handling, peak	1,200 watts	1,200 watts	1,200 watts	1,200 watts	1,200 watts	1,200 watts	1,500 watts	1,500 watts
Nominal impedance	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	4 ohms	4 ohms
Max SPL	122 dB half space (@10% THD)	126 dB half space (@10% THD)	128 dB half space (@10% THD)	128 dB half space (@10% THD)	128 dB half space (@10% THD)	128 dB half space (@10% THD)	128 dB half space (@10% THD)	126 dB half space (@10% THD)
Sensitivity 1W/1m	91 dB half space	99 dB half space	104 dB half space	104 dB half space	104 dB half space	104 dB half space	104 dB half space	101 dB half space
Frequency response +/- 3 dB	89 Hz – 19 kHz	95 Hz - 19 kHz	68 Hz – 19 kHz	70 Hz – 19 kHz	60 Hz – 20 kHz	60 Hz – 20 kHz	48 Hz – X-over	60 Hz – X-over
Frequency response -10 dB	63 Hz – 19 kHz	80 Hz - 19 kHz	60 Hz – 19 kHz	63 Hz – 19 kHz	53 Hz – 20 kHz	53 Hz – 20 kHz	38 Hz – X-over	40 Hz – X-over
LF Speaker							1 x 18"	2 x 10"
Low/Mid Speaker	1 x 8"	1 x 10"	1 x 12"	1 x 12"	1 x 15"	1 x 15"		
HF Driver	1"	1"	1"	1"	1"	1"		
HF horn	80° x 80° CD horn	90° x 60° CD horn	60° x 40° CD horn	60° x 40° CD horn	60° x 40° CD horn	60° x 40° CD horn		
HF protection (passive)	Dyn. protective circuit	Dyn. protective circuit	Dyn. protective circuit	Dyn. protective circuit	Dyn. protective circuit	Dyn. protective circuit		
Crossover frequency	2.5 kHz, 12 dB/oct.	2.2 kHz, 12 dB/oct.	2.2 kHz, 12 dB/oct.	2.3 kHz, 12 dB/oct.	2.2 kHz, 12 dB/oct.	2.2 kHz, 12 dB/oct.	150 Hz, 12 dB/oct.	150 Hz, 12 dB/oct.
Connections	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4	2 x Speakon NL4
Angles up		35°		32°		42°		
Pole mount	MonoTilt 3°	DuoTilt 3/7	DuoTilt 3/7		DuoTilt 3/7	DuoTilt 3/7	1 x M20	2 x M20
Rigging points	3 x M8	3 x M8	3 x M8		3 x M8	3 x M8		
Handles		1, integrated	2, integrated	1, integrated	2, integrated	2, integrated	2, integrated	2, integrated
Casters							optional 100 mm	
Enclosure	MDF	MDF	MDF	MDF		MDF	MDF	MDF
Grille	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam	metal grille with black acoustic foam
Finish	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black	Acrylic enamel, black
Optional accessories	Rain Gear, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20	Protective cover, Satellite Add-On M20, Adjustable pole M20
Dimensions (WxHxD)	27 x 42 x 27 cm	32 x 48.5 x 30 cm	40.5 x 58 x 37 cm	39 x 55.5 x 38 cm	47 x 61.5 x 41 cm	47 x 61.5 x 44.5 cm	53 x 61 x 64 cm	36 x 61 x 53 cm
Weight	9.7 kg / 21.4 lbs	12.5 kg / 2.6 lbs	18.2 kg / 40.1 lbs	16.3 kg / 35.9 lbs.	22.6 kg / 49.8 lbs	21.4 kg / 47.2 lbs	39.8 kg / 87.7 lbs	25.9 kg / 57.1 lbs

THE SOUNDMAKERS

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