

Technical Data SX-Series



	S1X	S2X	S3X-V	S3X-H	S4X-V	S4X-H
Woofer	1	1	1	2	1	2
Basket ø	155 mm / 6"	186 mm / 7"	228 mm / 9"	186 mm / 7"	351 mm / 12"	228 mm / 9"
Voice coil ø	25 mm / 1"	39 mm / 1.5"	50 mm / 2"	50 mm / 2"	76 mm / 3"	50 mm / 2"
Cone material	HexaCone®	HexaCone®	HexaCone®	HexaCone®	HexaCone®	HexaCone®
Cone midrange	•	•	1	1	1	1
Basket ø	•	•	116 mm / 4.5"	116 mm / 4.5"	157 mm / 6"	157 mm / 6"
Voice coil ø	•	•	25 mm / 1"	25 mm / 1"	37 mm / 1.5"	37 mm / 1.5"
Cone material	•	•	HexaCone®	HexaCone®	HexaCone®	HexaCone®
X-ART tweeter	1	1	1		1	1
Diaphragm area	24,2 cm ² / 3.5 inch ²	24,2 cm ² / 3.5 inch ²	24,2 cm ² / 3.5 inch ²	24,2 cm ² / 3.5 inch ²	24,2 cm ² / 3.5 inch ²	24,2 cm ² / 3.5 inch ²
Equivalent diaphragm ø	5,6 cm / 2.2"	5,6 cm / 2.2"	5,6 cm / 2.2"	5,6 cm / 2.2"	5,6 cm / 2.2"	5,6 cm / 2.2"
Velocity transform. ratio	4 : 1	4 : 1	4 : 1	4 : 1	4:1	4 : 1
Diaphragm weight	0,17 g	0,17 g	0,17 g	0,17 g	0,17g	0,17 g
Built-in amplifiers*	2	2	3	4	3	4
Woofer (1/2)*	200 W / 280 W	250 W / 350 W	250 W / 350 W	2 x 250 W / 350 W	250 W / 350 W	2 x 250 W / 350 W
Midrange (1/2)*	•	•	250 W / 350 W	250 W / 350 W	250 W / 350 W	250 W / 350 W
Tweeter (1/2)*	50 W / 100 W	50 W / 100 W	50 W / 100 W	50 W / 100 W	50 W / 100 W	50 W / 100 W
Controls						
Input sensitivity (coarse)	±10 dB	-20 bis +8 dB (4 dB steps)	-20 bis +8 dB (4 dB steps)	-20 bis +8 dB (4 dB steps)	-20 bis +8 dB (4 dB steps)	-20 bis +8 dB (4 dB steps)
Input sensitivity (fine)	•	-1,5 bis +2 dB (0,5 dB steps)	-1,5 bis +2 dB (0,5 dB steps)	-1,5 bis +2 dB (0,5 dB steps)	-1,5 bis +2 dB (0,5 dB steps)	-1,5 bis +2 dB (0,5 dB steps)
EQ 80 Hz	•	-0 bis +6 dB (1 dB steps)	-0 bis +6 dB (1 dB steps)	-0 bis +6 dB (1 dB steps)	-0 bis +6 dB (1 dB steps)	-0 bis +6 dB (1 dB steps)
Low shelf > 6 kHz	±6 dB	±4 dB (1 dB steps)	±4 dB (1 dB steps)	±4 dB (1 dB steps)	±4 dB (1 dB steps)	±4 dB (1 dB steps)
High shelf < 150 Hz	±6 dB	±4 dB (1 dB steps)	±4 dB (1 dB steps)	±4 dB (1 dB steps)	±4 dB (1 dB steps)	±4 dB (1 dB steps)
Tweeter gain	±4 dB	±2 dB (0,5 dB steps)	±2 dB (0,5 dB steps)	±2 dB (0,5 dB steps)	±2 dB (0,5 dB steps)	±2 dB (0,5 dB steps)
General data						
Frequency response ± 3dB	40 Hz - 55 kHz	35 Hz - 50 kHz	32 Hz - 50 kHz	32 Hz - 50 kHz	28 Hz - 50 kHz	28 Hz - 50 kHz
THD > 80 Hz	≤ 1,5 %	≤ 0,8 %	≤ 0,6 %	≤ 0,6 %	≤ 0,6 %	≤ 0,6 %
Short time	≥ 103 dB	≥ 110 dB	≥ 114 dB	≥ 116 dB	≥ 116 dB	≥ 118 dB
Max. peak	≥ 113 dB	≥ 120 dB	≥ 124 dB	≥ 126 dB	≥ 126 dB	≥ 128 dB
Crossover frequencies	2200 Hz	2200 Hz	350 / 2800 Hz	350 / 2800 Hz	280 / 2800 Hz	280 / 2800 Hz
Input connectors analog	XLR	XLR	XLR	XLR	XLR	XLR
Input connectors digital (optional)	•	AES/EBU (XLR) + SPDIF (Cinch)	AES/EBU (XLR) + SPDIF (Cinch)	AES/EBU (XLR) + SPDIF (Cinch)	AES/EBU (XLR) + SPDIF (Cinch)	AES/EBU (XLR) + SPDIF (Cinch)
Input impedance	10 kΩ	10 kΩ	10 kΩ	10 kΩ	10 kΩ	10 kΩ
Weight	6 kg / 13.2 lb.	10,8 kg / 23.8 lb.	15,4 kg / 34 lb.	19,6 kg / 43.2 lb.	35,6 kg / 78,4 lb.	32,2 kg / 70 lb.
Magnetically shielded	optional	optional	optional	optional	optional	optional
Height x Width x Depth	295 x 175 x 260 mm 11" x 7" x 10.4"	370 x 220 x 320 mm 14.8" x 8.8" x 12.8"	485 x 281 x 295 mm 19.4" x 11.2" x 11.8"	280 x 530 x 320 mm 11.2" x 21.2" x 12.8"	690 x 360 x 445 mm 27.6" x 14.4" x 17.8"	360 x 700 x 450 mm 14.4" x 28" x 18"
Warranty	5 years	5 years	5 years	5 years	5 years	5 years

*1 = long term IEC 265-8-Wrms / 10 min
2 = nominal IEC 265-8 = Peak Power 5 µsec