

# Specifications

Model Name	Diamond Studio 5-BT	Diamond Studio 7-BT
System Type	Active 5" 2-way Bi-Amplified	Active 6.5" 2-way Bi-Amplified
Freq. Range (-10 dB) Analog Input	45 Hz-25 KHz	38 Hz-25 KHz
Maximum SPL (peak @1 m)	110 dB	113 dB
<b>LF Transducer</b>	5" Fiberglass composite woofer	6.5" Fiberglass composite woofer
<b>HF Transducer</b>	Silk Soft dome tweeter	Silk Soft dome tweeter
Coil Size (mm / inches)	25.4 mm / 1"	25.4 mm / 1"
High Frequency Coverage (H x V)	135° x 110°	135° x 110°
<b>Total Power Amplifiers</b>	<b>140 W</b>	<b>150 W</b>
Low-Frequency Power Amplifier (Class D)	80 W Continuous / 160 W Peak	90 W Continuous / 180 W Peak
High-Frequency Power Amplifier (Class D)	60 W Continuous / 120 W Peak	60 W Continuous / 120 W Peak
Electronic Crossover:		
Crossover Frequency	2.2 KHz	2.2 KHz
<b>Controls</b>		
Equalization (dB)	HF / LF Level Adjust (-2, 0, +1, +2)	HF / LF Level Adjust (-2, 0, +1, +2)
System Volume	-∞ to +10 dB	-∞ to +10 dB
Amplifier Protection	Yes	Yes
Power On Protection	Power switch on / off mute	Power switch on / off mute
Thermal Protection	Amplifier shutdown, auto reset	Amplifier shutdown, auto reset
Driver, DC and Short Protection	Yes	Yes
Limiter Indicator	Red LED	Red LED
Power Indicator	Green LED / white LED (LOGO)	Green LED / white LED (LOGO)
Input type	Balanced / Unbalanced / Bluetooth	Balanced / Unbalanced / Bluetooth
Input Connectors	TRS JACK / FEMALE XLR / RCA	TRS JACK / FEMALE XLR / RCA
AC Power Options	100 V-240 V	100 V-240 V
Power On Indicator	LED	LED
Cabinet Material	MDF	MDF
Cabinet Colour	black	black
<b>Dimensions (Unpacked):</b>		
Height	290 mm / 11.42"	340 mm / 13.39"
Width	180 mm / 7.1"	210 mm / 8.27"
Depth	240 mm / 9.45"	260 mm / 10.24"
<b>Dimensions (packed):</b>		
Height	350 mm / 13.78"	400 mm / 15.75"
Width	242.5 mm / 9.55"	272 mm / 10.71"
Depth	303 mm / 11.93"	325 mm / 12.80"
<b>Weight</b>		
Net Weight	5.62 kg / 12.4 lbs	6.84 kg / 15.1 lbs
Gross Weight	6.47 kg / 14.2 lbs	7.82 kg / 17.20 lbs