

		RX-A680
AV Receiver		
Amplifier Section	Channel	7.2
	Rated Output Power (1kHz, 1ch driven)	115 W (6 ohms, 0.9% THD)
	Rated Output Power (20Hz-20kHz, 2ch driven)	80 W (6 ohms, 0.09% THD)
	Maximum Effective Output Power (1kHz, 1ch driven) (JEITA)	145 W (6 ohms, 10% THD)
	Dynamic Power per Channel (8/6/4/2 ohms)	- / 140 / 170 / 190 W
Surround Sound Processing	CINEMA DSP	Yes (3D)
	DSP Programs	17
	Dialog Level Adjustment	Yes
	Virtual Presence Speaker	Yes
	Virtual Surround Back Speaker	Yes
	Dialogue Lift	Yes
	SILENT CINEMA / Virtual CINEMA DSP	Yes (Virtual CINEMA FRONT)
	Dolby Atmos	Yes
	Dolby TrueHD	Yes
	Dolby Digital Plus	Yes
	Dolby Surround	Yes
	DTS:X	Yes
DTS-HD Master Audio	Yes	
Audio Features	File Format	MP3 / WMA / MPEG-4 AAC: up to 48 kHz / 16-bit, ALAC: up to 96 kHz / 24-bit, FLAC: up to 192 kHz / 24-bit, WAV / AIFF: up to 192 kHz / 32-bit, DSD: up to 11.2 MHz

		RX-A680
	Compressed Music Enhancer	Yes (incl. enhancer for Bluetooth®)
	YPAO sound optimization	Yes
	Adaptive DRC (Dynamic Range Control)	Yes
	Initial Volume & Maximum Volume Setting	Yes
	A.R.T. Wedge	Yes
	Bi-amp capability	Yes
	Audio Delay	Yes (0-500 ms)
	DA Converter	Burr-Brown 384 kHz / 32-bit DAC x 4
Video Features	4K Ultra HD Pass-through and upscaling	Yes (4K / 60p, 4:4:4)
	HDMI 3D passthrough	Yes
	HDMI eARC	Yes (via future firmware update)
	HDMI Audio Return Channel	Yes
	HDMI upscaling	Yes (HDMI® to HDMI)
	Deep Color/x.v.Color/24Hz Refresh Rate /Auto Lip-Sync	Yes
Connectivity	MusicCast Surround	Yes
	HDMI Input/Output	4 / 1 (HDCP2.2, HDR10 / Dolby Vision / HLG and BT.2020 compatible)
	HDMI CEC	Yes
	USB Input	USB Memory, Portable Audio Player
	Network Port	Yes
	Wi-Fi	Yes (2.4 / 5 GHz)

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	AirPlay	Yes
	Bluetooth	Yes (SBC / AAC)
	Front AV Input	USB / Mini Jack
	Digital Audio Input/Output: Optical	1 / 0
	Digital Audio Input/Output: Coaxial	2 / 0
	Analog Audio Input/Output	5 (front 1) / 0
	Composite Video Input/Output	3 / 1
	Preout	Subwoofer (2 x mono)
	Headphone Output	1
Tuner Section	FM/AM Tuner	Yes (FM only)
	DAB Tuner	Yes (Availability varies by region.)
User Interface	On-screen display	Yes (colour OSD)
	SCENE	SCENE (4 sets)
	App Control	Yes (iPhone / iPad / Android phone / tablet)
	Remote Control Unit	Yes
Zone Control	Zone B Output	Yes
General	Standby Power Consumption (IR only)	≤0.1W
	Auto Power Standby	Yes
	ECO mode	Yes
	Dimensions (W x H x D)	435 x 161 x 330 mm (with antenna: 435 x 235.5 x 330 mm); 17-1/8" x 6-3/8" x 13" (with antenna: 17-1/8" x 9-2/8" x 13")
	Weight	8.3 kg; 18.3 lbs.