marantz

AV 20

AV 20 AV Preamplifier

Reference 13.4 Channel Balanced AV Preamplifier with Dolby Atmos, DTS:X Pro, AURO-3D, IMAX Enhanced and 8K Ultra HD, and HEOS® Built-in streaming. AV 20 is a reference-level AV preamplifier.

Detailed and immersive sound transforms your home theater

13.4-channel output allows a variety of speaker layouts such as 7.4.6

Decodes Dolby Atmos, DTS:X, IMAX Enhanced audio and AURO-3D

Acoustic room tuning with Audyssey MultEQ XT32 and optional Dirac Live

Seven HDMI inputs (all 8K) and three outputs for highest resolution video

Sound Master tuned for warm, rich and detailed Marantz sound

High-quality HD on-screen interface makes setup intuitive

Balanced and RCA outputs for external power amplifiers

Elegant design matches beautiful sound

Optimized HDAM-SA3 for fast response and low distortion

The Most Musical Sound

AV 20
Technical Specifications

Multichannel Surround Technologies	
DTS	DTS-HD, DTS:X, DTS:X Pro, DTS Virtual:X, DTS Neural:X (13ch)
Dolby	Dolby TrueHD, Dolby Atmos, Dolby Atmos Height Virtualization, Dolby Atmos Music, Dolby Surround
IMAX	IMAX Enhanced
Auro 3D / 360 Reality Audio / MPEG H	Yes / Yes / Yes
Multichannel Stereo	Yes
Max. Number of Processing (Pre-Amp) Channels	13.4

Sound Enhancements	
Copper-Plated Chassis / Toroidial Power Transformer	Yes / Yes
Current Feedback Topology / Hyper Dynamic Amplifier Modules (HDAM)	Yes / Yes (SA3, monolithic)
Pure Direct / Gold-Plated RCA Terminals	Yes / Yes
Clock Jitter Reducer	Yes
Dirac Live Upgradability	Yes
Compressed Audio Enhancer: MDAX2	Yes
Audyssey Dynamic EQ / Dynamic Volume / Audyssey LFC	Yes / Yes / Yes
Audyssey	MultEQ XT32

Network	
Wi-Fi / Bluetooth / Ethernet	Yes / Yes / Yes
HEOS Multi-Room and Streaming	Yes
Bluetooth Retransmit for Bluetooth Headphones	Yes
Apple HomePod	Yes
Lossy Formats	MP3, WMA, AAC
Lossless Formats	FLAC, FLAC HD 192/24, ALAC, ALAC 192/24, WAV, WAV 192/24
DSD Audio Streaming	Yes (2.8/5.6 MHz)
Gapless Playback	FLAC, ALAC, WAV, DSD
TuneIn / AirPlay 2 / Spotify	Yes / Yes / Yes
Roon-Ready	Yes
Other Streaming Services	Amazon Music / TIDAL / Deezer / Napster / Soundcloud
Compatible with Remote App for Smartphones	Marantz AVR Remote
Compatible with Remote App for Tablets	Android / iOS / Amazon Kindle

HDMI	
Total HDMI Inputs	7 (rear)
HDCP 2.3 Support	Yes
HDMI Outputs: Main / Zone	2 / 1
HDMI Upscaling	1080p/4K to 8K
GUI Overlay on HDMI	Yes
HDMI 2.1: 8K/60Hz AB / 4K/120Hz AB	Yes / Yes
8K/60Hz AB / 4K/120Hz AB Pass-Through In/Out	7 / 2 (up to 40 Gbps)
HDR / HLG / Dolby Vision / HDR10+ / Dynamic HDR	Yes / Yes / Yes / Yes / Yes
Enhanced ARC	Yes
ALLM (Auto Low Latency Mode) Pass-Through for Gaming	Yes
Variable Refresh Rate / Quick Frame Transport	Yes / Yes
HDMI Pass-Though in Standby Mode	Yes
DSD Audio Capability	Yes
Auto LipSync	Yes

Design and specifications are subject to change by Marantz without notice.

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Inputs/Outputs			
Video	Composite In / Out		2 / 0
	Component In / Out		1 / 0
	HDMI In / Out		7 / 3
	Multi-Room Video Out: Video / HDMI		No / Yes
Audio	Analogue In		6 (1 × XLR)
	Phono (MM) In		Yes
	Digital In: Optical / Coaxial		2 / 2
	Multi-Room Out: Analog / Digital		2 / 0
	Multichannel Pre-Amp Out		Yes (15.4 RCA, 15.4 XLR)
	Subwoofer Out		4 (independent) RCA, XLR
Other	Speaker A / B		Assignable Pre-Out
	Bi-Amp Drive		Assignable Pre-Out
	Front USB Input / USB Audio		Yes / Yes
	USB Power Supply (Rear)		Yes
	AM/FM Tuner		Yes

Multi-Room	
HEOS Multi-Room Integrated	Yes
HEOS Link Compatibility: IR/ IP	Yes / Yes
Multi-Room Zones	3
Zone Audio Source: HDMI / Opt, Coax / Network, USB / Analogue	Yes (2 ch) / Yes (2 ch) / Yes / Yes
Zone Audio Output: Speaker / Pre-Out	No / Yes
Zone HDMI Output from HDMI Source	Yes
IP Control / RS232 Control / Web Control / App Control	Yes / Yes / Yes / Yes
IR Flasher In / Marantz Remote Bus	Yes / Yes
DC Trigger Output	3
HDMI Diagnostics	Yes

Others	
Auto Speaker Setup by Microphone	Audyssey MultEQ XT32 Dirac Live (Upgrade)
Front Display	2-Line FLD, Port Hole OLED
Graphic User Interface	Modern HD GUI
GUI Languages	3
Setup Assistant / Smart Select	Yes / Yes
Firmware Update by Network / USB	Yes / Yes
Variable Cross Over / Optimized Bass Redirection / Bass Sync	Yes / Yes / Yes
Auto Power Off / Sleep Timer	Yes / Yes

General		
Metal Front Panel		Yes
System Remote Control		RC051SR
Backlit		Yes
Power Consumption		90 W
Standby Consumption		0.2 W
CEC Standby Consumption		0.5 W
Network Standby Consumption		<2.0 W
Maximum Dimensions	Antenna, Horizontal: (W × D × H)	17.4 × 18.0 × 7.5 in.
	Antenna, Vertical: (W × D × H)	17.4 × 18.0 × 10.0 in.
	w/o Antenna: (W × D × H)	17.4 × 17.2 × 7.5 in.
Weight		33.1 lbs
What's in the Box		Main unit, remote control, batteries, AM/FM antennas, wire labels, quick start guide, Audyssey microphone, card board microphone stand, 2 External Detachable Antenna, AC cord
UPC Code		747192143848
Limited Warranty (United States and Canada)		5-year