

DENON

PRODUCT COMPARISON

\$7000



[AVR-5805MK2]

THX® Ultra2 Multi-Channel/
Zone A/V Surround Receiver
with Internet Radio

\$6000



[AVR-5805]

THX® Ultra2 Multi-Channel/
Zone A/V Surround Receiver

FEATURES

Availability	May 2006	✓
Finish	Black	Black
Equal Power Amplifiers	10 ch	10 ch
Power Output; Watts Per Channel	170	170
All Channels Rated @ 0.05 THD	✓	✓
All Channels Rated @ 0.08 THD	–	–
THX Ultra2-Certified	✓	✓
Low Impedance Drive Capability	✓	✓
High-Current/Discrete Amplifiers	✓	✓
Independent Power Supplies	6	6
Pure Audio Construction	–	–
Front Panel A/B Speaker Selector	–	–
Toroidal Power Transformer	✓	✓
Dynamic Discrete Surround Circuit – D.D.S.C - D	ALL NEW	ALL NEW
Dolby Digital, dts and DSP Modes – Analog Devices, HammerHead SHARC	x1 Second Zone	x1 Second Zone
Dolby Digital, dts and DSP Modes – Texas Instruments Aureus	x3 for Main Zone	x3 for Main Zone
Processor(s) – Bit Depth and Type	32-bit Floating Point	32-bit Floating Point
Dolby Pro Logic IIx – with Cinema, Music, Game Modes	✓	✓
THX Post-Processing – DPL (4.0), DPL2 Cinema, DD/DTS (5.1), ES Discrete (6.1), ES Matrix, Neo:6 Cinema	All	All
THX Ultra2 7.1 Cinema, Music and Game Modes	✓	✓
THX Surround EX Decoding	✓	✓
Dolby Digital Surround EX Decoding	✓	✓
dts ES Discrete 6.1 Decoding	✓	✓
dts ES Matrix 6.1 Decoding	✓	✓
dts Neo:6 Stereo-to-Surround Cinema and Music Modes	✓	✓
dts 96/24 5.1 for DVD-Video Processing	✓	✓
Dolby Headphone	✓	✓
HDCD Decoder	✓	✓
Auto Setup Calibration	✓	✓
Auto/Manual Room Equalization	✓	✓
Audyssey MultEqxt Room Eq. with up to eight position setup	✓	✓
Auto Setup Microphone Included/ Type	N/Optional Alum DM-S305	N/Optional Alum DM-S305
AL24 Processing - All Channels	–	–
24-bit/192-kHz DACs – Burr-Brown PCM-1791	2 per 16 Channels	2 per 16 Channels

24-bit/192-kHz DACs - Analog Devices	–	–
Analog-to-Digital Conversion - Bit Depth/Sampling Rate	24-bit//192kHz	24-bit/192kHz
Variable High/Low Pass Crossover Points (12/24dB) 40 / 60/80 / 100 / 120 / 150 / 200 / 250	✓	✓
True 24-bit/96-kHz Digital Input Capability	✓	✓
True 24-bit/192-kHz Digital Input Capability (Denon Link & 1394)	✓	✓
Assignable Digital Inputs	✓	✓
Digital Input – DENON Link 3rd (SACD Ready)	✓	✓
IEEE-1394 Digital Audio Input/Output	2	2
Digital Inputs: Coaxial	6	6
Digital Inputs: Optical	6	6
Digital Outputs: Optical	3	3
Digital to Analog REC Out	✓	✓
Analog Audio Inputs, Incl. Tuner Phono Input	15 MM type	15 MM type
Source Function Renaming	✓	✓
Analog Record Outputs	5	5
Front Panel A/V Inputs w/Cover * Composite and S-Video	* with Optical In	* with Optical In
Video Conversion –Composite to S-Video to Component	Main and Second Zone	Main and Second Zone
Video Conversion – Composite to S-Video to Composite	✓	✓
Video Conversion – Analog to HDMI	*New	No
Built In Time Based Correction	✓	✓
DVI/HDMI Video Inputs – Compatible with 1.1 Spec. – Multi-Channel Audio *1080p HDMI	1/5 *Now HDMI with 1080p	1 DVI 3 HDMI
HDMI Video Outputs	1 (Plus 1 DVI) *Now HDMI with 1080p	1 (Plus 1 DVI)
Composite Video Outputs	8	8
S-Video Inputs	8	8
S-Video Outputs	4 Plus Mon/Z2/Z3	4 plus Mon/Z2/Z3
Component Video Inputs x Bandwidth - *Assignable	*6 x 100MHz (1 BNC)	*6 x 100MHz (1 BNC)
Component Video Outputs	2 (1 BNC) Main Zone, 1 Second Zone	2 (1 BNC) Main Zone, 1 Second Zone
Dual Surround Mode Spkr. Selector	✓	✓
Icon-Based On-Screen Display	✓	✓
Front Panel System Setup Control	✓	✓
Personal Memory Plus	✓	✓
System Setup/Surround Parameters Lockout	✓	✓
6-Ch. External Analog Input	EXT IN 2	EXT IN 2
8-Ch. External Analog Input	EXT IN 1 - 10 ch	EXT IN 1 - 10 ch
Audio Signal Delay (Sync. Audio with Video signal) – By source	✓	✓
Pure Direct/Direct/Stereo Modes on Digital/Analog inputs	✓	✓
Stereo/Direct Modes w/Pure Analog Path	✓	✓
5-Channel Stereo Mode	–	–
Video Game Mode	✓	✓
Wide Screen 7.1 Mode	✓	✓
Mono Movie Surround Mode	✓	✓
Rock Arena Surround Mode	✓	✓
Matrix Surround Mode	✓	✓
Jazz Club Surround Mode	✓	✓

Virtual Surround Mode – For 2 Speakers/Headphones	✓	✓
Multi-Channel Stereo Mode	5/6/7/8/9 Channel	5/6/7/8/9 Channel
DSP Effect Modes	10	10
Auto Surround Mode (Analog or Digital Input Type)	✓	✓
Active Center Channel In All Surround Modes	✓	✓
Banana Plug Speaker Terminals, All Channels	High Grade	High Grade
Cinema EQ	✓	✓
Front A/B Speaker Selector	–	–
56 Station Auto-Preset Memory Tuning	✓	✓
Radio Data System (RDS)	✓	✓
XM Satellite Radio 'Connect and Play' Ready – with optional antenna	–	–
Direct Function (Tone Bypass)	✓	✓
Volume Control Un-muting	✓	✓
Selectable Muting Levels (Full/-40/-20)	✓	✓
Video Select Control	✓	✓
RS-232 Port – Third Party Remote Controllers	✓	✓
RJ-45 Ethernet Port – Same Functionality as AVR-5805/4806	✓	✓
PC Setup and Control Capability	✓	✓
IR Serial Remote In/Out terminals	✓	✓
+12v Trigger Output - Assignable	4/250mA	4/250mA
Multi-Source/Multi-Zone (*Uses REC OUT)	4 Source/4 Zone Audio; 3 Source/3 Zone Video	4 Source/4 Zone Audio; 3 Source/3 Zone Video
Pre-amp Outputs for Multi-Zone	✓	✓
High Pass Filter for Multi-Zone Outputs	✓	✓
Multi-Zone Pre-Amp Outputs – Selectable Output Levels	✓	✓
Discrete Multi-Zone Composite Video Output - *S-Video also	✓*	✓*
Discrete Remote Power On/Off, Source Selection and Volume for Main and Second/Third* Zones	✓*	✓*
Discrete Remote Source Selection for Zone 3	–	–
Assignable Amplifier Configuration of Surround Back Channels	–	–
Speaker Time-Delay and Level Controls: L/R, Sub, C, Surr. L/R, Surround Back	✓	✓
Relay-Controlled Protection Circuits	✓	✓
Pre-Amp Outputs	Z1 - 10 / Z2 - 6	Z1 - 10 / Z2 - 6
Microprocessor User Re-set	✓	✓
Detachable Power Cord	✓	✓
Subwoofer Peak-Level Limiter (THX)	✓	✓
Pre-programmed (10 Devices) Glow Key Remote Control with Punch Through Commands	–	–
Pre-programmed/Learning EL Remote with Backlighting and Punch Through Commands	Y/RC-995	Y/RC-995
Weight: In Pounds	92	92
Width (inches)	17.1	17.1
Height (inches)	11.0	11.0
Depth (inches)	20.5	20.5