



# AVR-989P

## Ease-of-use

### Audyssey Dynamic Volume, for real-time volume adjustment

Large changes in volume sometimes occur between documentaries where the sound is mainly narrative and movies which often contain loud sound effects. Viewers often raise the volume for documentaries to hear the narrative more easily but the turn it down again when a commercial with loud sound effects comes on. They do this numerous times during a program of this type. Audyssey Dynamic Volume constantly monitors the sound sources and adjusts the volume to the optimum level for the particular source being heard without sacrificing dynamic range.

The AVR-989P is also equipped with Audyssey MultEQ XT which measures the acoustic characteristics of the room to obtain the optimum acoustic effects, and Dynamic EQ which reproduces the high and low range with the optimum acoustic effect during low volume levels. Dynamic Volume combines these two functions to achieve maximum performance.

### Audyssey MultEQ XT Auto setup and Room EQ

Tower type microphone for more accurate measuring

Up to eight measurement points

ALFC (Adaptive Low Frequency Correction) filtering for higher resolution processing in the low frequency range.

### 2-line fluorescent display on front panel

Current status, such as the input source or audio format, is displayed in two lines. It is also possible to check the name of the album or music track of the memory audio item or other items without viewing the TV screen.

The 2-line display also makes it possible to easily change the settings without the OSD (On-screen Display) on the TV monitor.

### Three Quick Select Buttons

Auto setup, Auto Surround, Auto Signal Detection

Auto Surround Back Channels on for auto-detection of supporting sources

Auto Surround Mode

Audio Delay function (max. 6 frames or 200 msec)

Night mode for neighbor friendly listening

Muting level settings (Full / -40dB / -20dB)

Audio Level Memory, capable of correcting different signal levels for each input device

Volume Level Limiter, for setting maximum volume levels

Power-ON Volume Level Memory

Variable subwoofer crossover switching

## Specifications

### Power Amplifier Section

Rated output:	*THD figures are power amp stage values 115 W + 115 W (8 ohms, 20Hz-20kHz, THD 0.08%) 145 W + 145 W (6 ohms, 1kHz, THD 0.7%)
Center:	115 W (8 ohms, 20Hz-20kHz, THD 0.08%) 145 W (6 ohms, 1kHz, THD 0.7%)
Surround L/R:	115 W + 115 W (8 ohms, 20Hz-20kHz, THD 0.08%) 145 W + 145 W (6 ohms, 1kHz, THD 0.7%)
Surround Back L/R:	115 W + 115 W (8 ohms, 20Hz-20kHz, THD 0.08%) 145 W + 145 W (6 ohms, 1kHz, THD 0.7%)

### Preamplifier Section

Input Sensitivity / Impedance:	200mV / 47 kohms
Frequency Response:	10Hz ~ 100kHz - +1, -3dB (DIRECT mode)
S/N Ratio:	100dB (IHF-A weighted, DIRECT mode)

### FM Section

Tuning Frequency Range:	87.5 - 107.9 MHz
Usable Sensitivity:	1.0 µV (11.2 dBf)

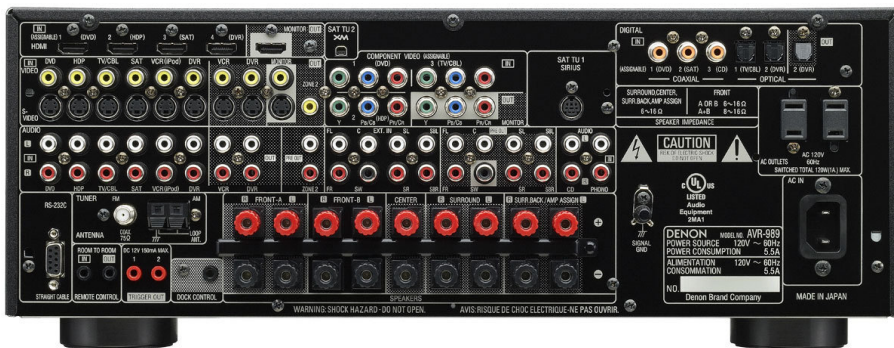
### AM Section

Tuning Frequency Range:	520 - 1710 kHz
Usable Sensitivity:	18 µV

### General

Power Supply:	AC 120 V, 60Hz
Power Consumption:	6.0 A (Standby 0.1W)
Dimensions (w/o rack kit)	
Width:	434mm (17 3/32") w/o rack kit
Height:	171mm (6 47/64")
Depth:	414mm (16 19/64")
Weight:	12.8Kg (28 lbs, 3.5 oz)

PLEASE NOTE: Specifications are based on measurement conditions and proper care for the machine, and are subject to change without notice.



### D&M Professional

1100 Maplewood Drive Itasca, Illinois 60143  
Tel: 630.741.0330 Fax: 630.741.0652  
www.d-mpro.com

## Inputs/Outputs

<b>IN</b>	HDMI	4
	Component	3
	S-Video	7
	Composite	7
	Analog Audio (Tuner incl.)	10
	Analog Ext. Input	7.1 ch
	Digital OPTICAL	3
<b>OUT</b>	Digital COAXIAL	3
	HDMI Monitor	1
	Component Monitor	1
	S-Video Monitor	1
	REC	2
	Composite Monitor	1
	REC	2
Analog Audio REC	2	
Zone 2	1	
Audio PRE out (7.1 ch)	1	
Digital OPTICAL	1	
<b>Others</b>	Dock Control Port	1
	Sirius Connector	1
	XM Connector	1
	FM Tuner Antenna	1
	AM Tuner Antenna	1
	Remote IN / OUT	1
	RS-232c	1
	Trigger Output (+12V, 150mA)	2

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1 2 3 4 5 6 7 8 9  
min | max  
LEVEL