

# marantz

C l a s s i c

S e r i e s



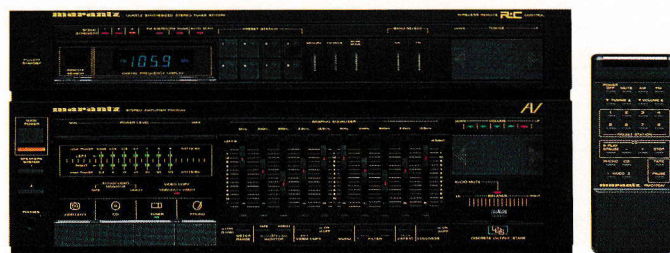
### **The Marantz Classic Series of Audio Components**

Marantz has produced many classics throughout the years, beginning in the Fifties with our now famous and collectible vacuum tube electronics. In the late Sixties, we brought forth the first widely acclaimed solid state designs. The Seventies were years of increasing technology and value — Marantz provided more features and performance per dollar. And during the Eighties we have become leaders in compact disc technology.

So when we named our basic component series the Classic Series, we were merely expressing our heritage — a heritage of forward thinking engineering combined with traditional craftsmanship. We think you'll find these latest Classics have a lot to offer to music lovers in style, performance, and in the famous Marantz reliability.

Our tuner-amplifiers are actually three high performance audio components housed in a single chassis — a quartz locked digital synthesis AM/FM tuner, a multi-band equalizer and a powerful, versatile integrated amplifier. They give you superior sound in a convenient format, and include multi-function wireless remote controls that can also be used to command certain models of Marantz cassette decks and CD players.

Marantz tuner-amplifiers feature high-power, overbuilt amplifier sections with high capacity power supplies. Matched discrete output transistors provide for superior reliability, high current capability and effective power delivery into any type of loudspeaker system.



TA - 170AV  
TA - 135AV

Built-in graphic equalizers permit precise calibration of system response to room acoustics and to your own listening preferences. Digital frequency synthesis provides drift-free tuning accuracy within 0.004%.

## TA-170AV

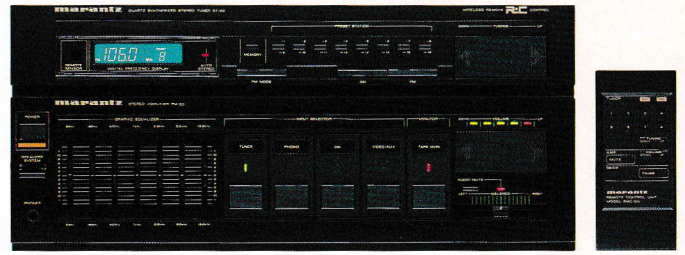
- 165 Watts Per Channel
- Full Video Dubbing (Video and Stereo Audio)
- 2 x 5-Band Graphic Equalizer
- Speaker A/B Switching
- 16-Station Memory (8 FM/8 AM)

The TA-135AV is the same as the TA-170AV except for its power output.





TA - 100



TA - 60

#### TA-135AV

- 130 Watts Per Channel
- Full Video Dubbing (Video and Stereo Audio)
- 2 x 5-Band Graphic Equalizer
- Speaker A/B Switching
- 16-Station Memory (8 FM/8 AM)

#### TA-100

- 100 Watts Per Channel
- 5-Band Graphic Equalizer
- Speaker A/B Switching
- 16-Station Memory (8 FM/8 AM)

#### TA-60

- 60 Watts Per Channel
- 7-Band Graphic Equalizer
- 24-Station Memory (16 FM/8 AM)

## Receivers



SR - 560

Marantz Classic Series Receivers were designed to one end — to offer maximum value to the music lover through an unprecedented combination of performance and convenience features.

We started with one of the industry's finest AM/FM tuners, utilizing ultra-precise quartz locked digital synthesis tuning that locks onto stations for clear, drift-free reception. We added automatic as well as manual scanning, and exceptionally complete switching and dubbing capabilities, including the ability to drive extension speakers for multi-room sound. We included a low distortion, conservatively rated amplifier section for smooth, listenable sound quality, yet plenty of impact when the music demands it. Finally, we provided a low noise graphic equalizer for precise tonal adjustments.



SR - 360

A classic component is one whose value endures, and Marantz Classic Series receivers will provide you with years of consistent performance to satisfy all your musical needs.

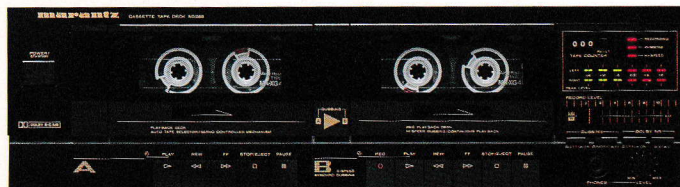
### SR-560

- 45 Watts Per Channel
- 7-Band Graphic Equalizer
- Full Video Dubbing (Picture and Sound)
- 16 Station Memory (8 FM/8 AM)

### SR-360

- 25 Watts Per Channel
- 5-Band Graphic Equalizer
- 16 Station Memory (8 FM/8 AM)

## Double Cassette Decks



SD - 285

Marantz double cassette decks offer the maximum in recording and playback versatility. The second cassette automatically plays when the first has finished, affording you twice the continuous playing time of conventional decks. High speed dubbing capabilities let you copy from one tape to another in half the normal time. And Dolby™ noise reduction assures you of clean, noise free duplicates every time.

Both decks are metal capable and feature peak-reading meters for precise level setting. Servo-controlled DC motors offer accurate speed control and hard permalloy record/play heads assure long life with extended high frequency response.



SD - 162

### SD-285\*

- Dolby B and C Noise Reduction
- High Speed Dubbing
- Continuous Play
- Auto Bias/EQ

### SD-162

- Dolby B Noise Reduction
- High Speed Dubbing
- Continuous Play

Dolby, Dolby B and Dolby C are trademarks of Dolby Labs, Inc.

\*Available June '88



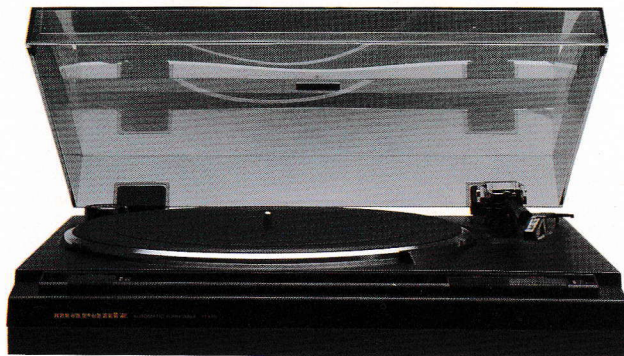
## Turntables



TT - 185

Marantz Classic Series turntables feature belt drive and precise self-correcting DC servo motors — a combination found in most of the world's finest limited production turntables. These turntables also utilize straight, low mass tonearms for superior tracking of warped records, and low tracking error.

The high compliance P-mount magnetic cartridges feature maximum trackability, and are optimally matched to Marantz tonearms. Together they provide extraordinary resolution of musical detail. Both turntables are semiautomatic for the best combination of low tonearm friction and ease of operation and the controls may be operated with the dust cover lowered.



TT - 170

### TT-185\*

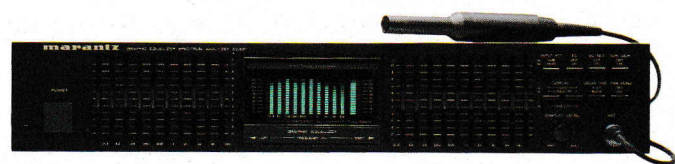
- Belt Drive, DC Servo Motor, Semi Automatic
- Damped Cueing
- P-Mount Cartridge Included
- Front Panel Controls

### TT-170

- Belt Drive, DC Servo Motor, Semi Automatic
- Damped Cueing
- P-Mount Cartridge Included

\*Available June '88

# Equalizer / Spectrum Analyzer



EQ - 551



EQ - 130

When sound engineers equalize the sound of a live concert, they use four separate and expensive components: a microphone, spectrum analyzer, pink-noise generator, and graphic equalizer. The EQ551 provides all of these components in one compact unit, making it easy to achieve professional-quality "tuning" of your listening room for optimum sound.

Both the EQ551 and EQ130 give you total control of all 10 octaves between 30Hz and 16kHz, and provide boost and cut of  $\pm 10\text{dB}$  — enough to tame virtually any peak or dip in system response. In addition, each enables you to make equalized tape recordings, which is especially important when tapes are to be played back in an automotive cassette deck.

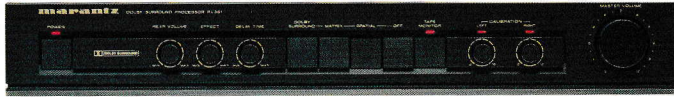
## EQ-551

- Built-in Pink Noise Generator
- 10-Band Spectrum Analyzer
- Microphone Included
- Equalized Tape Output

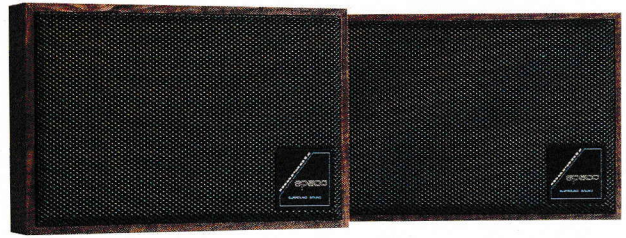
## EQ-130

- Equalized Tape Output
- LED Peak Level Indicator





R V - 3 5 1



S P - 5 0 0

If you're a movie enthusiast, you'll want to audition our Dolby Surround Sound System. It decodes the rear channel information found on thousands of the commercial video tapes that are available for rent or purchase and on many TV broadcasts. This allows you to recreate the multi-channel sonic experience of a movie theater right in your own living room.

The AVS-351 also doubles as a high quality signal processor. It can add delay between front and back speakers to simulate the ambience of a concert hall, and it can simulate stereo sound from monaural sources.

For the rear channels, a 22 watt amplifier and a pair of compact loudspeakers are provided. Hook-up is fast and easy.

- Decodes movie surround sound
- Built in 22 watt power amp
- Simulates stereo from mono
- Includes speakers



S P - 1 5 1 5

Marantz Classic Series Loudspeakers are brilliant all-around performers. They're highly efficient, so they'll play loudly with modestly powered receivers. And thanks to ferrofluid cooling for the midranges and tweeters, they'll handle lots of power for dramatic, undistorted sound reproduction. A sophisticated crossover network directs the varied frequencies of music to the appropriate driver.



S P - 1 2 0 0

All of this superb engineering has one goal: the reproduction of music. And these Classic Series speakers let you hear the entire performance in stunning detail.



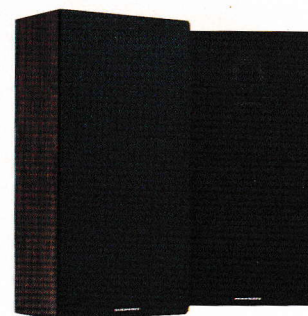
S P - 1 0 0 0

**SP-1515**

- 15" Three-way
- Ferrofluid Liquid Cooling
- 18Hz to 20kHz Response
- 165 Watts Power Handling

**SP-1200**

- 12" Three-way
- Ferrofluid Liquid Cooling
- 25Hz to 20kHz Response
- 165 Watts Power Handling



S P - 8 0 0

**SP-1000**

- 10" Three-way
- Ferrofluid Liquid Cooling
- 40Hz to 20kHz Response
- 130 Watts Power Handling

**SP-800**

- 8" Three-way
- Ferrofluid Liquid Cooling
- 70Hz to 20kHz Response
- 60 Watts Power Handling

## High-Output Loudspeakers



SP-124



SP-104



SP-103



SP-208

Marantz High-Output Classic Series loudspeakers were designed with today's digital sources in mind. The SP104 and SP124 utilize large tower enclosures and passive radiators for maximum bass extension combined with high efficiency.

Each of these systems utilizes ferrofluid cooling in both tweeter and midrange drivers for high power handling, and each can flawlessly reproduce all of the

dynamics and excitement of today's compact discs.

Bass guitar, kickdrum, bottom octave synthesizer blasts, and pipe organ all come across with an impact you can feel. Highs are crisp and evenly dispersed around the listening room for a precise stereo image.

### SP-124

- 12" Three-way
- 12" Passive Radiator
- Ferrofluid Liquid Cooling
- 25Hz to 20kHz Response
- 170 Watts Power Handling

### SP-104

- 10" Three-way
- 10" Passive Radiator
- Ferrofluid Liquid Cooling
- 35Hz to 20kHz Response
- 135 Watts Power Handling

### SP-103

- 10" Three-way
- Ferrofluid Liquid Cooling
- 40Hz to 20kHz Response
- 135 Watts Power Handling

### SP-208

- 8" Woofer
- 2" Tweeter
- Ultra-High Efficiency
- 50 Watts Power Handling



## Portable Cassette Recorders and Microphones



P M D - 4 3 0



P M D - 2 2 1



P M D - 4 2 0



P M D - 2 0 1

In addition to premium quality playback equipment, the Classic Series includes a line of very high quality portable cassette recorders and microphones. They are used by professionals all over the world in a wide variety of recording situations.

The recorders are rugged, lightweight components that may be operated with AC, rechargeable ni-cad battery packs, automo-

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tive electrical systems, or alkaline batteries. The top-of-the-line PMD430 features three heads for true off-tape monitoring and both Dolby and dbx noise reduction systems. The two monaural machines feature 2-speed recording and a modular telephone jack. All models include VU meters, built in monitor speakers and mic attenuators.

The nine microphones include both omnidirectional and cardioid types and all utilize high accuracy electret transducers — perfect tools for almost every live recording situation.

Please see our Portable Cassette/Microphone brochure for further information.

# Specifications

<b>Stereo Receivers/Tuner-Amplifiers</b>	<b>SR560</b>	<b>SR360</b>	<b>TA170AV</b>	<b>TA135AV</b>	<b>TA100</b>	<b>TA60</b>
<b>Amplifier Section</b>						
Power Output per Channel, both channels driven into 8 ohms, 20Hz–20kHz	45W 40Hz–20kHz	25W 40Hz–20kHz	165W	130W	100W	60W 40Hz–20kHz
Total Harmonic Distortion	0.15%	0.25%	0.05%	0.05%	0.5%	0.1%
IM Distortion	0.15%	0.25%				
<b>Tuner Section</b>						
FM IHF Usable Sensitivity	11.2dBf	11.2dBf	12.1dBf	12.1dBf	11.8dBf	11.8dBf
Signal/Noise Ratio at 65dBf (mono/stereo, 98MHz)	73/70dB	73/70dB	75/64dB	75/64dB	75/68dB	75/68dB
AM IHF Usable Sensitivity	300µV/m	300µV/m	20µV	20µV	25µV	25µV
<b>General</b>						
Unit Dimensions H×W×D	3 <sup>5</sup> / <sub>8</sub> "×16 <sup>1</sup> / <sub>2</sub> "×10"	3 <sup>5</sup> / <sub>8</sub> "×16 <sup>1</sup> / <sub>2</sub> "×10"	7 <sup>1</sup> / <sub>4</sub> "×16 <sup>1</sup> / <sub>2</sub> "×13"	7 <sup>1</sup> / <sub>4</sub> "×16 <sup>1</sup> / <sub>2</sub> "×13"	6 <sup>1</sup> / <sub>4</sub> "×16 <sup>1</sup> / <sub>2</sub> "×12 <sup>3</sup> / <sub>4</sub> "	7 <sup>1</sup> / <sub>4</sub> "×16 <sup>1</sup> / <sub>2</sub> "×10 <sup>3</sup> / <sub>4</sub> "
Weight	11.9 lbs.	9.7 lbs.	34.17 lbs.	29.76 lbs.	23.7 lbs.	20.94 lbs.
<b>Compact Discs</b>						
	<b>CDC-6R</b>	<b>CD60</b>	<b>CD40</b>			
Frequency Response	5Hz–20kHz	5Hz–20kHz	5Hz–20kHz			
Total Harmonic Distortion	0.03%	0.07%	0.07%			
Signal to Noise Ratio	94dB	90dB	90dB			
Channel Separation	90dB	80dB	80dB			
Dimensions H×W×D	4 <sup>7</sup> / <sub>8</sub> "×17 <sup>1</sup> / <sub>8</sub> "×14"	3"×16 <sup>1</sup> / <sub>2</sub> "×10 <sup>7</sup> / <sub>8</sub> "	3"×16 <sup>1</sup> / <sub>2</sub> "×10 <sup>7</sup> / <sub>8</sub> "			
Weight	13.2 lb.	7.7 lbs. (4 kg)	7.7 lbs. (4kg)			
<b>Graphic Equalizers</b>						
	<b>EQ551</b>	<b>EQ130</b>				
Bands	2×10	2×10				
Frequency Response	20Hz–40kHz	10Hz–25kHz				
Total Harmonic Distortion	0.005%	0.005%				
Signal to Noise Ratio	80dB	110dB				
Dimensions H×W×D	2 <sup>7</sup> / <sub>8</sub> "×16 <sup>1</sup> / <sub>2</sub> "×7 <sup>5</sup> / <sub>8</sub> "	2 <sup>5</sup> / <sub>8</sub> "×16 <sup>1</sup> / <sub>2</sub> "×8"				
Weight	5.9 lbs.	5.5 lbs.				
<b>Double Cassette Decks</b>						
	<b>SD285</b>	<b>SD162</b>				
Wow & Flutter (WRMS, 178ips)	0.05%	0.08%				
Frequency Response overall, –25dB below 0 VU, ±3dB						
Normal tape	35Hz–14kHz	40Hz–13kHz				
CrO <sub>2</sub> tape	35Hz–16kHz	40Hz–14kHz				
Metal tape	35Hz–17kHz	40Hz–15kHz				
Signal to Noise Ratio, NR off	55dB	54dB				
Dolby B NR on	65dB	64dB				
Dolby C NR on	68dB	—				
Dimensions H×W×D	4"×16 <sup>1</sup> / <sub>2</sub> "×10 <sup>1</sup> / <sub>2</sub> "	4 <sup>3</sup> / <sub>8</sub> "×16 <sup>1</sup> / <sub>2</sub> "×7 <sup>1</sup> / <sub>4</sub> "				
Weight	11.9 lbs.	8.4 lbs.				

Specifications subject to change without notice.

<b>Turntables</b>	<b>TT185</b>	<b>TT170</b>		
Rumble, DIN B Wtd	-65dB	-55dB		
Wow & Flutter Wtd RMS	0.06%	0.08%		
Dimensions H x W x D	37 7/8" x 16 1/2" x 13 1/2"	4" x 16 1/2" x 13 1/4"		
Weight	9.5 lbs.	9.5 lbs.		
<b>Loudspeakers</b>	<b>SP1515</b>	<b>SP1200</b>	<b>SP1000</b>	<b>SP800</b>
Woofers Diameter	15"	12"	10"	8"
Midrange Diameter	5"	4"	4"	4"
Tweeter Diameter	3"	3"	3"	2"
Frequency Response	18Hz-20kHz	25Hz-20kHz	40Hz-20kHz	70Hz-20kHz
Maximum Power	165W	165W	130W	60W
Nominal Impedance	8 ohms	8 ohms	8 ohms	8 ohms
Dimensions H x W x D	32 1/2" x 18" x 16 1/2"	29 1/2" x 15" x 11 1/2"	27" x 13" x 11"	26" x 13" x 8 1/2"
Weight	47.4 lbs.	32.4 lbs.	25.4 lbs.	16.4 lbs.
Removable Grille	Yes	Yes	Yes	No
<b>High Output Loudspeakers</b>	<b>SP124</b>	<b>SP104</b>	<b>SP103</b>	<b>SP208</b>
Woofers Diameter	12"	10"	10"	8"
Passive Radiator	12"	10"	—	—
Midrange Diameter	4"	4"	4"	—
Tweeter Diameter	3"	3"	3"	2"
Frequency Response	25Hz-20kHz	35Hz-20kHz	40Hz-20kHz	80Hz-20kHz
Maximum Power	170W	135W	135W	50W
Nominal Impedance	8 ohms	8 ohms	8 ohms	4 ohms
Dimensions H x W x D	37 3/4" x 14 1/4" x 13 1/2"	37 3/4" x 13" x 11"	37 3/4" x 13" x 11"	18 3/4" x 10 5/8" x 8 3/8"
Weight	33.7 lbs.	29.9 lbs.	29.9 lbs.	10.5 lbs.
Removable Grille	Yes	Yes	Yes	No
<b>Dolby Surround Sound System</b>	<b>RV351</b>	<b>SP500</b>		
Rated Power Output, minimum continuous watts into 8 ohms from 40 Hz to 5 kHz	22W			
Total Harmonic Distortion at Rated Power	0.25%			
Variable Delay Range	15-30 ms			
Frequency Response		100Hz-12kHz		
Power Handling		25 watts		
Dimensions H x W x D	23 7/8" x 16 1/2" x 7 7/8"	6" x 9" x 2"		
Weight	6.8 lbs	2.5 lbs		

**marantz**  
H I G H F I D E L I T Y

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