

Receivers • Components • Speaker Systems

marantz®

We sound better.



marantz®

We sound better.

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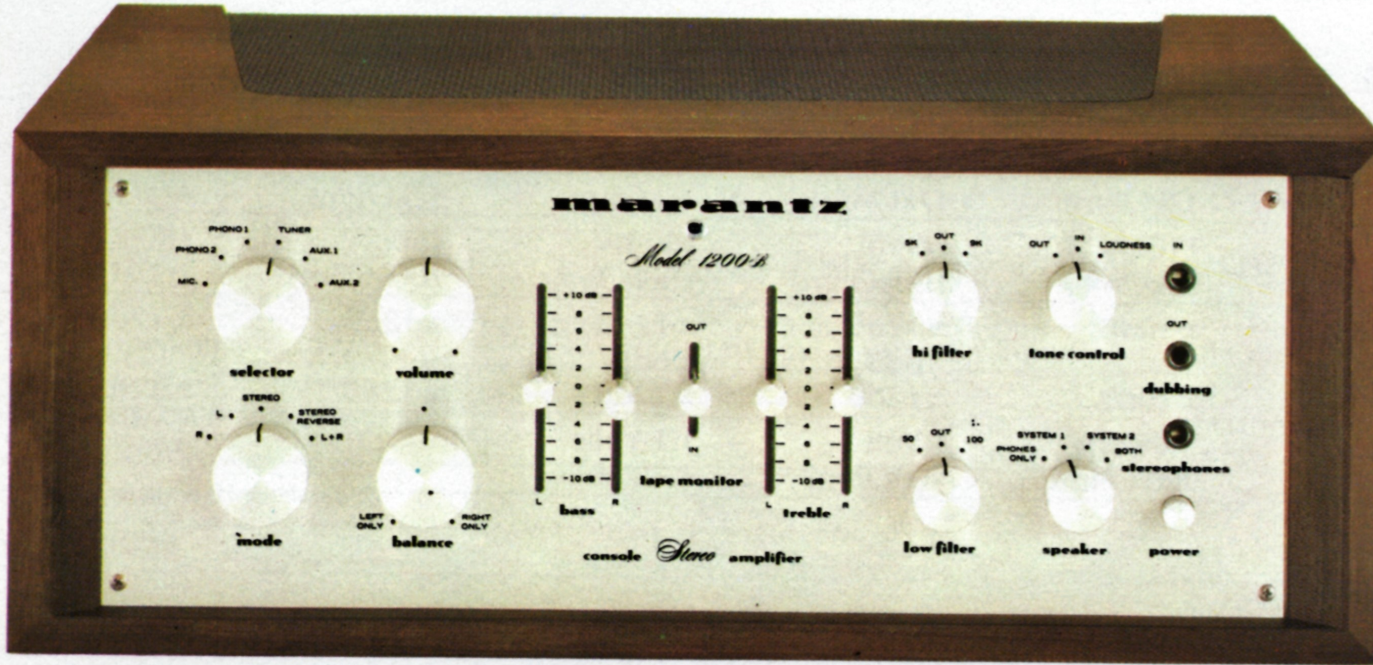
**France : Marantz France
18, rue de la Félicité - 75017 Paris**

**Belgique : Marantz Belgique
Avenue Van Overbeke 17 - 1080 Bruxelles**

POWER AMPLIFIER	1200B	1120	1070	1060	1040	1030
Minimum continuous average output per channel, all channels driven	100 Watts	60 Watts	35 Watts	30 Watts	20 Watts	15 Watts
Power Band	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	40Hz-20kHz
Total Harmonic Distortion	.1%	.2%	.3%	.5%	.3%	.5%
Load Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
IM Distortion (S.M.P.T.E. method)	.1%	.2%	.3%	.5%	.3%	.5%
Frequency Response, High Level Input, @ 1 Watt Output	20Hz-20kHz ±.25dB	20Hz-20kHz ±.2dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB	20Hz-20kHz ±1dB
Input Sensitivity and Impedance	1.5 Volt 47kOhms	1.5 Volt 47kOhms	1 Volt 47kOhms	1 Volt 47kOhms	1 Volt 47kOhms	
Damping Factor	100	40	45	45	45	45

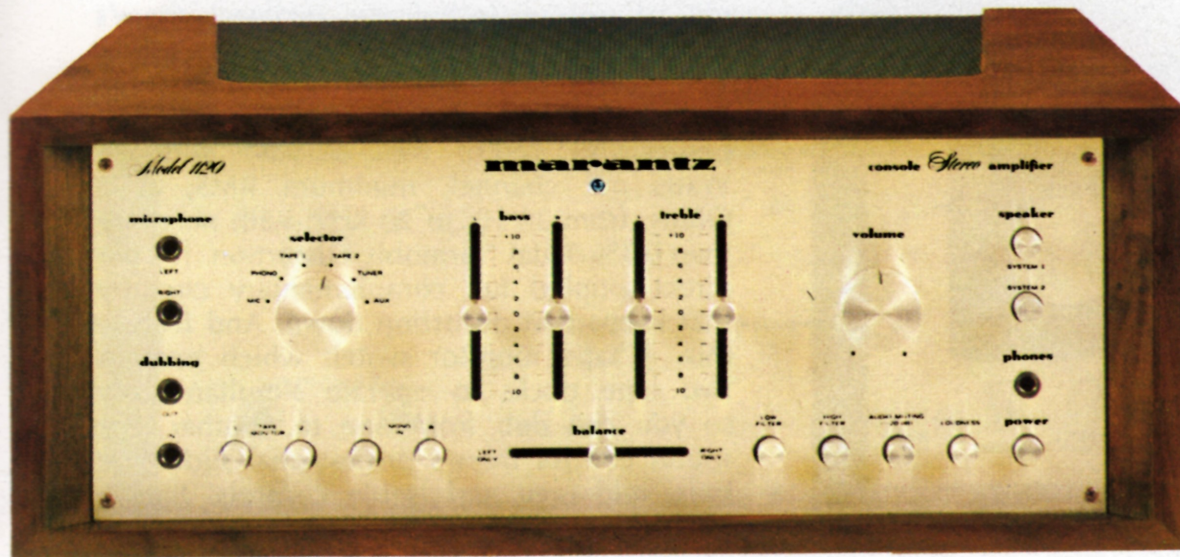
PRE-AMPLIFIER	1200B	1120	1070	1060	1040	1030
Phono Section:						
Dynamic Range: Ratio of Input Overload Voltage to Equivalent Noise	100dB	96dB	96dB	96dB	93dB	93dB
Equivalent Noise Input:	2 μ V	1.8 μ V	1.5 μ V	1.5 μ V	1.5 μ V	1.5 μ V
Sensitivity and Impedance:	1.35mV 47kOhms	1.1mV 47kOhms	1.8mV 47kOhms	1.8mV 47kOhms	2.1mV 47kOhms	2.1mV 47kOhms
High Level:	134mV	110mV	180mV	180mV	150mV	180mV
Input Sensitivity and Impedance	50kOhms	25kOhms	100kOhms	100kOhms	100kOhms	100kOhms
Tone Controls: Bass: 50Hz	± 10 dB	± 10 dB	± 12 dB	± 12 dB	± 12 dB	± 12 dB
Mid: 700Hz			± 6 dB	± 6 dB		
Treble: 10kHz	± 10 dB	± 10 dB	± 12 dB	± 12 dB	± 12 dB	± 12 dB
Output Level and Impedance:	3 Volts 600 Ohms	1.0 Volts 900 Ohms	1 Volt 900Ohms	1.1 Volts 4.7kOhms		
Total Harmonic Distortion:						
At or Below Rated Output	0.05 %	0.1 %	0.3 %	0.3 %		
I.M. Distortion: At or Below Rated Output any combination of two Frequencies Between 20Hz to 20kHz	0.05 %	0.1 %	0.3 %	0.3		
Frequency Response: 20Hz to 20kHz	± 0.25 dB	± 0.3 dB	± 1 dB	± 1 dB	± 1 dB	± 1 dB

MODEL 1200B STEREO CONSOLE AMPLIFIER



Fact. The Model 1200B offers 100 Watts of power per channel, minimum RMS, at 8 Ohms, from 20 Hz to 20 kHz, with no more than 0.1% Total Harmonic Distortion. Fact. The Model 1200B is the highest-power, lowest distortion, integrated amplifier in the world — an excellent reason to choose one. And see what else you'll be getting. Versatility. The 1200B is equipped with inputs for stereo microphones, two phono turntables, a tuner and two auxiliary stereo sources. And the hi and low filters each have two cut-off frequencies. You get reliability, too. Full automatic protection of output circuitry and all associated speakers. The Marantz exclusive Variable Overlap Drive compensates for natural aging of the power amp's internal components, assuring continual "like new" performance. All fact. The point being, you just have to try a Marantz 1200B. You won't be sorry. That's a fact.

MODEL 1120 STEREO CONSOLE AMPLIFIER



If you don't feel you need the extreme power and versatility of the Model 1200, Marantz made the Model 1120 for you. It puts out enough power to fill your house with music, yet it's just right for a den or smaller room as well. 120 Watts continuous power (typically 150) into 8 Ohm speakers, with less than 0.2% total harmonic and intermodulation distortion. Computer-grade construction assures precision performance from all internal components without aging or distortion. Total automatic protection of all output circuitry, plus a full complement of inputs for microphones, phono, tuner, two tape recorders and auxiliary are all part of a package that can't be beat for quality, performance or price. No wonder the 1120 has been the overwhelming choice of thousands throughout the world.

Shown in optional WC-1 Walnut Cabinet.

MODEL 1070 STEREO CONSOLE AMPLIFIER

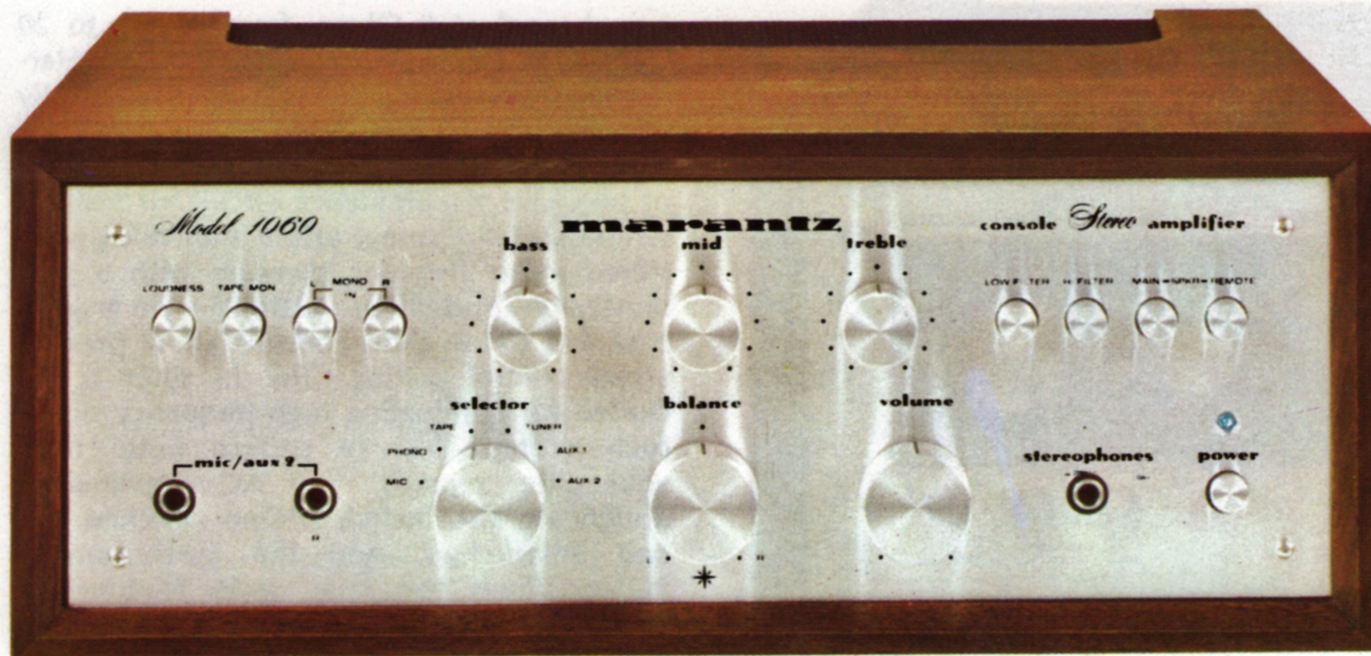


Ambidextrous stereo. That's what we call the kind of music that springs from the 1070. Stereo with a little something extra added.

An ambience circuit that enhances your stereo listening with the vibrant synthesized effect of 4-channel sound. Want to purify

that sound? Use the low and hi filters and eliminate low and high frequency noises created by older records, turntable rumble, etc. If you're technically inclined there's main-in pre-out jacks so the preamplifier and amplifier sections of the 1070 can be operated independent of one another. And power-wise you're well stocked with 35 Watts per channel, minimum RMS, at 8 Ohms, from 20 Hz to 20 kHz, with no more than 0.3% Total Harmonic Distortion. It's the direct-coupled full complementary circuitry that keeps that distortion down. And feature this. A tape monitor switch which enables two tape decks to operate simultaneously so you can dub from one to another. For sound control there's professional slide-type bass, midrange and treble controls. Plus a loudness control switch for boosting low and high frequencies at low listening levels. Any way you use it, you'll find the 1070 is a "pro-minded" amplifier.

MODEL 1060 STEREO CONSOLE AMPLIFIER



The particularly nice thing about the Marantz 1060 is that it will go with just about any sized speaker system and still put out enough music to cover a room full of people. There's a minimum of 30 Watts RMS power per channel, at 8 Ohms, from 20 Hz to 20 kHz, with no more than 0.5% Total Harmonic Distortion. At full volume or low level the distortion stays about the same. Or perhaps we should say "lack of distortion." That's why it's received rave reviews in audio publications throughout the world. And perhaps that's why so many have been sold. Its features, also, place it among the finest. There's a hi filter to eliminate record scratch and tape hiss. And a low filter to cut hum and rumble. Other features include inputs for two tape recorders, and front panel stereo microphone input jacks. The list goes on. But for the 1060 listening is believing. You can do both.

MODEL 1040 STEREO CONSOLE AMPLIFIER

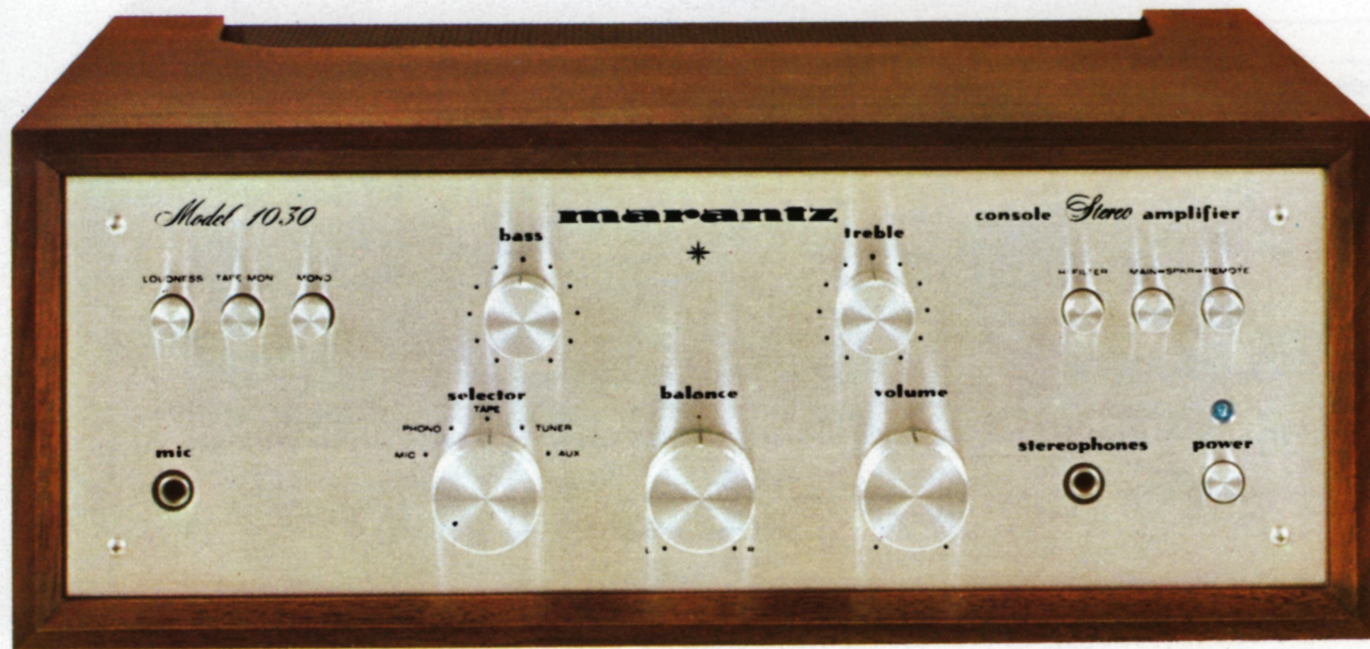


Get spoiled. With the 1040 you're getting all traditional Marantz features and saving

yourself some money at the same time. There's a minimum of 20 Watts RMS power

per channel at 8 Ohms, from 20 Hz to 20 kHz, with no more than 0.3% Total Harmonic Distortion. Direct-coupling and fully complementary circuit design keeps that distortion low. We've even added a thing or two. Like the ambience circuit for realistic synthesized 4-channel effect. Increasing your stereo music listening pleasure with a new dimension. And the professional-style graphic bass and treble slide controls allow precise, visual control setting. The hi filter is included for eliminating high-frequency noise, such as tape hiss or surface noise from your older records. Two AC convenience outlets are also included. One switched and one unswitched. And the tape monitor switch allows two tape decks to function simultaneously. Plus, you can dub from one tape deck to another. You'll have to agree this is a great way to get spoiled. We spare no expense so you can.

MODEL 1030 STEREO CONSOLE AMPLIFIER



The little giant. Little refers to price. Giant refers to quality. Because while the Model 1030 is the least expensive console amplifier Marantz makes — it's still assembled with all the same precision craftsmanship and meticulous construction as the costlier units. So, what we're really saying is you're not paying extra for extras you don't need. What you do get is 15 Watts minimum RMS power per channel, at 8 Ohms, from 40 Hz to 20 kHz, with no more than 0.5% Total Harmonic Distortion. There's a tape monitoring facility and front panel microphone input. The main and remote speakers have convenient quick-connect terminals. Plus, stepped tone controls for easily repeatable settings. The 1030. Thank Marantz for small favors.

MARANTZ HEADPHONE SYSTEMS.

The Private Ear.

Marantz offers two very good ways to get away from it all without getting away from it all. Music can be a very personal experience and there are times when you want to keep it to yourself. That's the time for Marantz Headphones.

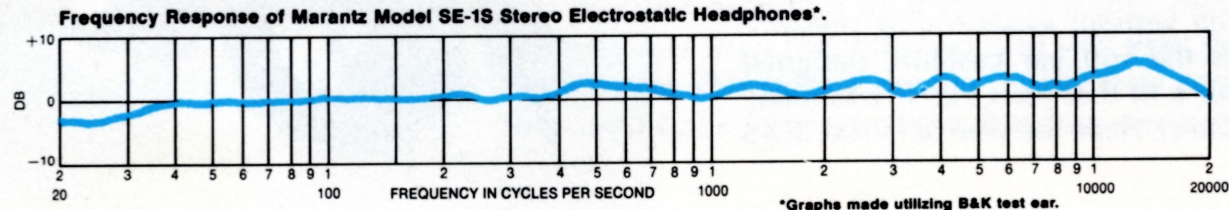
Or you want to imagine you're front row center at the Music Center where you can become consumed in the music you're listening to. That's the time for Marantz Headphones. There's a little dreamer in all of us. So, you may want to dream you're a famous recording artist . . . or just drift off to your own little world. Take some Marantz Headphones along. They'll keep you company.



MODEL SE-1S ELECTROSTATIC HEADPHONE SYSTEM

There is no argument. The electrostatic headphone reproduces music better than any other conventional headphone can. Now Marantz introduces the SE-1S. The best of the finest. What makes the SE-1S the best? Lack of distortion. Here's why. Electrostatic transducers are better than the standard cone-type. Because the material of the electrostatic is extremely precise in consistency and low in mass. This *low mass membrane* is only about three ten-thousandths of an inch thick! So naturally it reacts to all audio signals in a much more uniform manner. Because of their heavier mass, regular cone transducers respond and move in a sometimes radical motion. They cannot "track" the incoming audio signals as precisely as a transducer with less inertia. This inability to "track" results in transient distortion. The precise movement of the SE-1S transducer eliminates

most of this distortion. The result? Unequalled frequency response. And the full dynamic range of the music you're into. In addition, higher sound pressure levels can be reached at much lower frequencies. The SE-1S is powered by the EE-1 low distortion energizer. With built-in speaker/headphone switching. Ultimate convenience. Even an output for an additional set of electrostats (SE-1HP). And the energizer's easy on your ears, too. The protective circuit automatically regulates to a safe level extremely loud passages and quietly turns off if severely overdriven. So you can safely play your music as loud as you like. And its so lightweight you can listen for hours without feeling weighed down. Marantz makes headphones the way they make everything. To last and last. Prove it to yourself. The SE-1S is really something to be heard from.



HEARING IS A NATURAL PROCESS. LISTENING IS AN ART . . .

We would like you to know the difference. Have you ever really listened to what your speakers are saying? Does that music really touch you? Do you feel the mystifying sensations of the instruments and voices reaching out for you? You should.

Provided the rest of your audio system is adequate, your speakers can make all the difference in the world. It is the speakers that carry the message to you. That melodic message that spells the difference between the art of listening . . . and simply hearing. Knowing that difference is knowing Marantz.

And, once you've listened to Marantz speakers, you'll never go back to just hearing again.

MARANTZ 9 FLOOR-STANDING SPEAKER SYSTEM



The Marantz 9 consists of two 10" woofers. Four mid-range speakers and two tweeters in the array. It also incorporates a superior two position crossover with variable controls. The air-coupled array of the Marantz 9 is symmetrical in design, making "mirror imaging" possible.

Frequency Response: 30Hz to 20kHz ± 3 dB
• Sensitivity: 97dB (1 Watt, 1kHz @ .5 Meter)
• Power Rating: 100 Watts RMS (150 Watts Program)
• Distortion Under: 0.5% 100dB SPL @ .5 Meter. Average of 50/500/5,000/12,500Hz 2nd and 3rd Harmonics
• Impedance: 8 Ohms
• Dimensions: 30½" H x 24" W x 18" D



MARANTZ 8 FLOOR-STANDING SPEAKER SYSTEM

The Marantz 8 incorporates a 12" woofer, and provides bass response to 40Hz. And it's in a class by itself with the rotatable air-coupled array, consisting of three mid-range transducers and two tweeters. A major breakthrough in mid-range and tweeter design configurations. The result? Transducers that perform with higher efficiency and much lower distortion. It has a variable density woofer design with a four-layer voice coil to boost efficiency. The tweeter is constructed to handle high power with ultra-low distortion. Combined, they reproduce a wide and natural sounding frequency range. Frequency Response: 30Hz to 20kHz ± 5 dB
• Sensitivity: 97dB (1 Watt, 1kHz @ .5 Meter)
• Power Rating: 75 Watts RMS (125 Watts Program)
• Distortion Under: 0.5% 100dB SPL @ .5 Meter. Average of 50/500/5,000/12,500Hz 2nd and 3rd Harmonics
• Impedance: 8 Ohms
• Dimensions: 27" H x 18¾" W x 14½" D

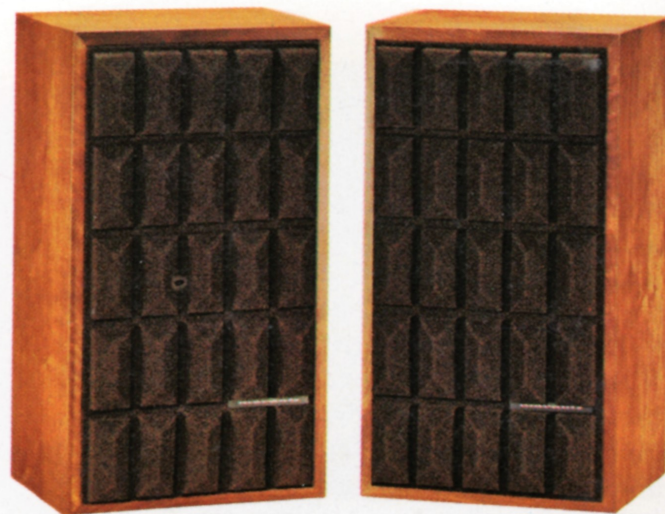


MARANTZ 7-G
Three-Way Bookshelf
System — 12" Woofer,
3½" Mid-Range,
1¾" Tweeter

Frequency Response:
 $\pm 5\text{dB}$, 40Hz to 20kHz
 Frequency Range:
 30Hz to 20kHz
 Power Rating:
 100 Watts Integrated
 Program Material
 Controls:
 Three-Position High-
 Frequency Level Selector
 Switch; Three-Position
 Mid-Range Level Selector
 Switch
 Nominal Impedance:
 8 Ohms
 Dimensions:
 25½"H x 14¼"W x 11½"D
 Weight: 45 lbs.

MARANTZ 6-G
Two-Way Bookshelf
System — 10" Woofer,
2" Tweeter

Frequency Response:
 $\pm 5\text{dB}$, 40Hz to 18kHz
 Frequency Range:
 35Hz to 20kHz
 Power Rating:
 100 Watts Integrated
 Program Material
 Controls:
 Three-Position High-
 Frequency Level Selector
 Switch
 Nominal Impedance:
 8 Ohms
 Dimensions:
 25½"H x 14¼"W x 11½"D
 Weight: 40 lbs.





MARANTZ 5-G
Two-Way Bookshelf
System — 8" Woofer,
3½" Tweeter

Frequency Response:
 $\pm 5\text{dB}$, 45Hz to 16kHz
 Frequency Range:
 35Hz to 20kHz
 Power Rating:
 40 Watts Integrated
 Program Material
 Controls:
 Three-Position High-
 Frequency Level Selector
 Switch
 Nominal Impedance:
 8 Ohms
 Dimensions:
 23"H x 12"W x 9½"D
 Weight: 23½ lbs.

MARANTZ 4-G
Two-Way Bookshelf
System — 8" Woofer,
1¾" Tweeter

Frequency Response:
 $\pm 5\text{dB}$, 60Hz to 15kHz
 Frequency Range:
 40Hz to 18kHz
 Power Rating:
 40 Watts Integrated
 Program Material
 Nominal Impedance:
 8 Ohms
 Dimensions:
 19⅛"H x 11¼"W x 8½"D
 Weight: 20 lbs.



POWER AMPLIFIER	510M	510	250	240
Minimum continuous average output per channel, all channels driven	256 Watts	256 Watts	126 Watts	125 Watts
Power Band	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz
Total Harmonic Distortion	.1%	.1%	.1%	.1%
Load Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms
IM Distortion (S.M.P.T.E. method)	.1%	.1%	.1%	.1%
Frequency Response, High Level Input, @ 1 Watt Output	20Hz-20kHz ± 1 dB	20Hz-20kHz ± 1 dB	20Hz-20kHz ± 1 dB	20Hz-20kHz ± 1 dB
Input Sensitivity and Impedance	2.0V 25kOhms	2.0V 25kOhms	1.5V 100kOhms	1.5V 100kOhms
Damping Factor	100	100	100	100

MODEL 510 BASIC STEREO AMPLIFIER



The undercover story. Think of the Model 510 as the alternative. Because, in short, this model is the same amplifier as the 510M. We just took out the meters and the meter circuit and saved you a few dollars. We left in the peak overload indicators, though, to tell you whenever you've exceeded design limits. Same performance. Same power, 256 Watts per channel, minimum RMS, at 8 Ohms from 20 Hz to 20 kHz, with no more than 0.1% Total Harmonic Distortion. Same Marantz precision construction. The same breakthroughs of *Powerstack** direct-coupled full-complementary outputs, and the high thermal capacity of turbulent airflow. You still get the individual gain controls for left and right channel. And there's still the full self-protective circuitry throughout. So, if you're a frugal buyer, just a little more cost conscious . . . get the Marantz 510 (without the "M"). We promise you won't miss it, once you hear this professional system.

*TM, Marantz Co., Inc.



MODEL 510M PROFESSIONAL STEREO POWER AMPLIFIER

The show-off. Proven performance. That's the Model 510M. With 256 Watts of power per channel, minimum RMS, at 8 Ohms from 20 Hz to 20 kHz, with no more than 0.1% Total Harmonic Distortion . . . perform it does. The 510M will drive your system anywhere, anyway you want it. And talk about reliability! Two new breakthroughs assure that this is the most reliable Marantz amplifier ever made. First, is the exclusive *Power-stack** configuration of the output transistors. The 510M utilizes *eight* 200 Watt rated output devices per channel in a series/parallel configuration. That's a total dissipation capability of 3200 Watts. What this means is that the 510M is endowed with the greatest

Safe Operating Area (SOA) of any amplifier in its power class. The second breakthrough is that all power handling devices are mounted in an exclusive, Marantz designed, cooling tunnel. Each power output transistor is attached to a new radically different heat sink, each of which has turbulence fins extending into the tunnel. Reliance on *turbulent*, rather than *laminar*, airflow can increase the cooling efficiency by as much as 500 per cent. This means that the 510M will not be subjected to the extreme heat conditions of other high powered amps. Less heat, more reliability, and years of extended performance. And when we call the 510M the show-off, we mean just that. The illuminated output level

meters serve a dual function. First, they monitor the actual output power to the speakers. Second, they indicate left and right channel balance for instant, easy placement of the stereo image. And with the help of the meter range switch they show full display for readings at all output levels. Plus, there's even peak overload indicators to show you what the meters can't. The 510M has individual gain controls for left and right channels. Finally, it's unconditionally stable, even into highly reactive loads, such as electrostatic speakers. Whatever application you may have for a high powered amplifier, think of the Marantz 510M. It's the most versatile, reliable performer around.

*TM, Marantz Co., Inc.

MODEL 250 STEREO POWER AMPLIFIER



Have your own homemade jam session. The Model 250 offers the kind of brute strength you need for vibrant, professional stereo sound in a variety of uses, such as studio monitoring, sound reinforcement and custom stereo applications. It's rated at 126 Watts minimum RMS power per channel, at 8 Ohms from 20 Hz to 20 kHz, with no more than 0.1% Total Harmonic Distortion. An added feature for the pro is the illuminated output level meters with Power Range Switching. These meters work as visual indicators, showing actual power output to speakers. With them, speaker overload and/or overdriving amp inputs can be checked and, consequently, avoided. Power, performance, features, and price . . . And the nicest thing about the 250 is that you don't have to compromise one for another.

MODEL 240 BASIC STEREO AMPLIFIER



Not just another pretty face, the Model 240 offers the same reliable craftsmanship and endurance as the Marantz 250. What it doesn't offer is the two front panel meters. With this model you get all the same high-performance features — but you don't get the meters to tell you about them. You get the Variable Overlap Drive, which automatically compensates for natural aging of components, giving continual "like new" performance. And the Model 240 offers complete stability regardless of load, massive heat sinks and more. There's 125 Watts minimum RMS power per channel, at 8 Ohms, from 20 Hz to 20 kHz, with no more than 0.1% Total Harmonic Distortion. So, for the identical Marantz quality you're saving yourself some money. When you're thinking about buying a stereo power amplifier, think of the Model 240 as the one that's made to listen to — not look at.

PRE-AMPLIFIER	3800	3600
Phono Section:		
Dynamic Range: Ratio of Input Overload Voltage to Equivalent Noise	100dB	100dB
Equivalent Noise Input:	0.775 μ V	0.775 μ V
Sensitivity & Impedance:	3mV 47kOhms	3mV 47kOhms
High Level: Input Sensitivity and Impedance	300mV 25kOhms	300mV 25kOhms
Tone Controls: Bass: 50Hz Mid: 700Hz Treble: 10kHz	± 15 dB ± 8 dB ± 10 dB	± 15 dB ± 8 dB ± 10 dB
Output Level and Impedance:	3 Volts 150 Ohms	3 Volts 150 Ohms
Total Harmonic Distortion: At or Below Rated Output	0.02%	0.02%
I.M. Distortion: At or Below Rated Output any combination of two Frequencies Between 20Hz to 20kHz	0.01%	0.01%
Frequency Response: 20Hz to 20kHz	± 0.25 dB	± 0.25 dB

STEREO PREAMPLIFIER/ CONTROL CONSOLES

Are you a frustrated recording engineer? Do you like to stand in the middle of your living room and conduct the 1812 Overture? Or, are you simply a sound purist? In any case, this is your section of the catalog. Because here Marantz offers two rather exciting instruments for the little bit of studio sound recording genius in all of us. They are the stereo preamplifier/control consoles . . . Marantz Model 3800 and Model 3600. Step up. And take a look . . .

MODEL 3600 STEREO PREAMPLIFIER/CONTROL CONSOLE



For less time at the controls and more time simply enjoying the music your components make . . . we created the Model 3600.

There's graphic tone controls for quick setting, plus equally easy return to original settings. These controls are separate for bass,

treble and midrange. Individual low and hi filters are included. Reduce turntable rumble, cut down audible record scratch and tape hiss with them. And no matter how you vary the volume in your music the stereo balance is always under control. Because the 3600 includes a precision-tracking volume control. THD and IM distortion is rated considerably under .02% and .01%, respectively. With a continually flat frequency response from 20 Hz to 20 kHz. And it remains the same at high output levels, too. All music, no noise. Aside from big brother, the Marantz 3800 preamp, there's not another model on the market that meets its Dynamic Range Figure of over 100 dB. As for recording? There's tape monitor circuitry for two decks included. Tape from one to the other. You can also utilize the two sets of preamp-out jacks. Plus front panel microphone jacks for quick and simple recording from five sound sources. Be a pro. Make it easy on yourself with a Marantz 3600.

MODEL 3800 STEREO PREAMPLIFIER/CONTROL CONSOLE



The concert master with a very special touch. And that touch is Dolby*. The Model 3800 is simply the most versatile preamplifier Marantz has ever made. Never before has such a component been offered with such a low distortion factor as the Model 3800. Specified at 3 Volts output, this unit has less than 0.02% THD and under .01% IM distortion. Note that these are the figures at which we rate the system. Typically it performs at an even lower distortion level than this. Quiet is the word for the 3800. The Equivalent Input Noise of less than 0.775 microvolts provides a signal-to-noise ratio that's within 1 dB of the theoretical maximum of the solid state devices available today. And the unheard of Phono Dynamic Range figure of over 100 dB is the result of this ultra-low noise condition. Yet more than just an exquisitely constructed instrument with superb technical capabilities, this model incorporates the very standard of noise reduction systems in the industry.

A full-process Dolby system...and more. This dynamic Dolby circuit has a versatility all its own. While it works best with Dolby-encoded material, it also functions beautifully as a *Variable Dynamic Filter*. As an alternative to the Hi Filter which "rolls off" all high frequencies at any level, the Dolby *play position* can be used with any type of source material (other than Dolbyized) to reduce low level noise such as tape hiss and record noise without seriously affecting frequency response. Technically speaking, this feature functions by sampling the source material at frequencies above 4 kHz. When dynamic passages of your music drop to low levels a roll-off in high frequency response occurs, resulting in an improved signal-to-noise ratio. So you're getting a full Dolby circuit plus a little something extra...at no extra cost. And that's just part of the all-pro 3800 preamp. With the professional style graphic tone controls you get exact control settings instantly for separate bass, mid-range

and treble. And more. With these controls you have the option of varying the frequency turnover points (250 Hz and 4 kHz). This gives you more flexible control over the bass and treble range. Perfect for compensating for acoustical problems. The 3800 also has a tape monitoring circuit for two tape decks. You can even dub from one to the other while listening to a completely different program source. A tape EQ switch is also included. With this feature the tone controls can be applied to the tape output signal. This allows you to adjust for any deficiencies in the source material. Speaking of recording. In addition to the front panel dubbing jacks the 3800 has front panel microphone jacks for easy recording from live sound sources. That's the Model 3800. A new standard of excellence. From the old stand-by...Marantz.

*TM, Dolby Labs, Inc.



MODEL CD-400 B **DISCRETE DISC DEMODULATOR**

The very latest in CD-4* technology including Phase-Lock-Loop for the 30kHz carrier signal. Combined with built-in noise reduction for each channel, provides low distortion and fine signal-to-noise ratio. Complete rear channel calibration controls and CD-4 calibration disc. The CD-400 keeps track of your music with the built-in CD-4 radar light. Adapt this unit economically to any 4-channel system for music the way you want — whenever you want it.

MODEL SQA-1 SQ **SEMI-LOGIC MATRIX DECODER**

Practicality Plus. The SQA-1 offers front-to-rear logic and more. In case of future Matrix developments (or if you upgrade your system with the SQA-2), economically replace the SQA-1 — not your whole unit.

MODEL SQA-2 SQ **FULL LOGIC MATRIX DECODER**

The last word in 4-channel. The SQA-2 features full logic enhancement for up to 20dB separation of sound between channels. With it, SQ** encoded records are heard with the dynamic effect of 4-channel sound. And something extra . . . non-obsolescence guaranteed. You're one step ahead of the technology of tomorrow. The SQA-2. It's the system that beats the system.

MODEL RC-4 **QUADRADIAL® REMOTE CONTROL**

Introducing the spoiler. You never have to move from your spot to change volume, balance or loudness compensation. Just plug the RC-4 in and go anywhere the 15-foot cord will take you. And you can put that music anywhere you want it. The RC-4. It makes the good life just a little bit better.

*TM, Victor Company of Japan

**TM, CBS Laboratories, Inc.

POWER AMPLIFIER			PRE-AMPLIFIER			
	4140	4070		4140	4070	4000
Stereo Mode, minimum continuous average output per channel, all channels driven	70 Watts	35 Watts	PRE-AMPLIFIER Phono Section: Dynamic Range: Ratio on Input Overload Voltage to Equivalent Noise: Equivalent Noise Input: Sensitivity & Impedance:	96dB	93dB	
Quadrail Mode, minimum continuous average output per channel, all channels driven	25 Watts	15 Watts		1.9 μ V	1.9 μ V	
				1.8mV	2.0mV	
				47kOhms	47kOhms	
Power Band	20Hz-20kHz	20Hz-20kHz	High Level: Input Sensitivity and Impedance	180mV	150mV	180mV
Total Harmonic Distortion	.3%	.5%		100kOhms	100kOhms	100kOhms
Load Impedance	8 Ohms	8 Ohms	Tone Controls: Bass: 50Hz Mid: 700Hz Treble: 15kHz			
IM Distortion (S.M.P.T.E. method)	.3%	.5%		± 10 dB	± 10 dB	± 10 dB
Frequency Response, High Level Input, @ 1 Watt Output	20Hz-20kHz $\pm .5$ dB	20Hz-20kHz $\pm .5$ dB		± 6 dB ± 10 dB	± 10 dB	± 10 dB
Input Sensitivity and Impedance	1 Volt 33kOhms	1 Volt 33kOhms	Output Level and Impedance	1.0 Volt	1.0 Volt	Frnt. 180mV
Damping Factor	40	40		900 Ohms	900 Ohms	Rear 2.1V

MODEL 4140 STEREO 2+ QUADRADIAL® 4 AMPLIFIER



Outside, the Model 4140 combines fashion and function. Inside it's all guts. With 70

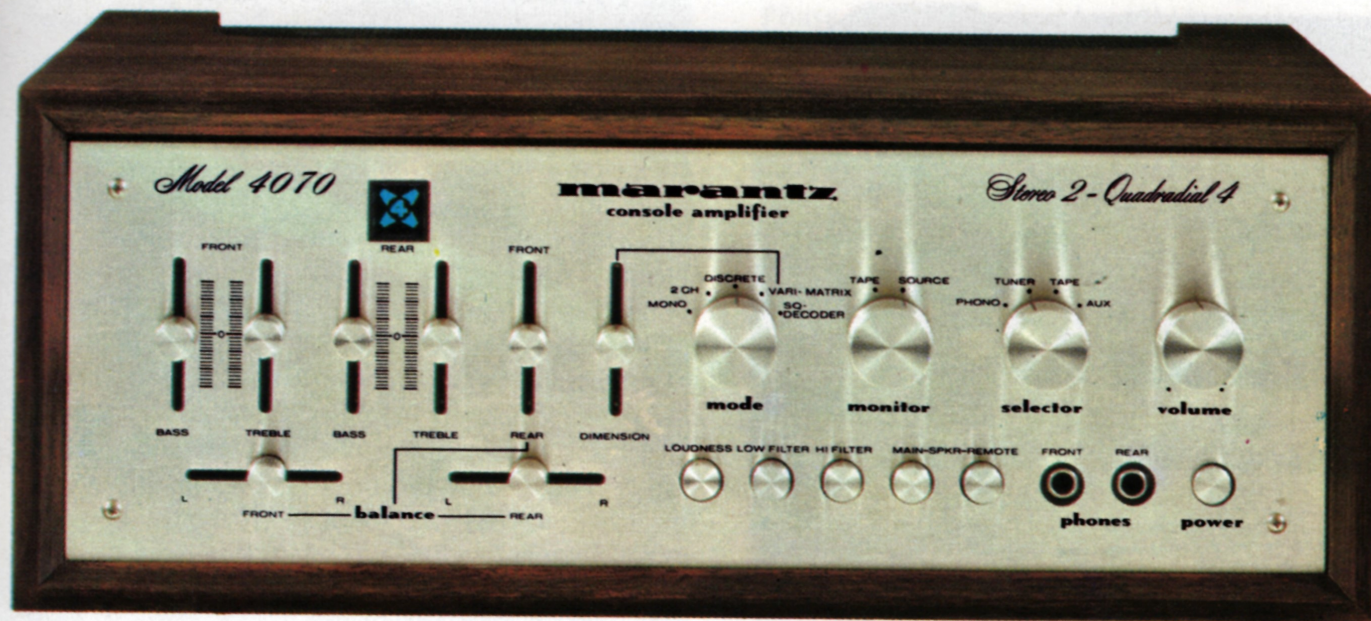
Watts per channel for stereo, 25 Watts of power per channel for Quadradial, minimum

RMS, at 8 Ohms, from 20Hz to 20kHz, with no more than 0.3% Total Harmonic Distortion...all the power you'll ever need is right there, any way you want to use it. Our exclusive "hidden pocket" accommodates either one of our inexpensive SQ* Decoders, and assures that future developments will not make the entire unit obsolete. Plus, Vari-Matrix with dimension control is included along with the provisions for the convenient Marantz remote control. The 4-channel balance controls give a variety of sound placement anywhere in your listening area. There's complete facilities for everything including two four-channel tape recorders with dubbing back and forth, a CD-4** adaptor, 4-channel scope, and separate pre-out and main-in jacks. With all the exciting Marantz features and accessories you'll find the beauty of the 4140 is more than skin deep.

*TM, CBS Laboratories, Inc.

**TM, Victor Company of Japan

MODEL 4070 STEREO 2+ QUADRADIAL® 4 AMPLIFIER



You may be surprised to learn the Marantz 4070 costs so much less than the 4140. When you consider that you still get the Vari-Matrix with dimension control, plus the complete 4-channel balance controls. And our exclusive "hidden pocket" is still included to accommodate either one of our inexpensive SQ* Decoders, and to assure that future developments will not make the entire unit obsolete. The mode switch includes five selections. (mono, 2-channel, discrete, SQ Decoder and Vari-Matrix) so you can play your stereo records as you've never heard them before. The main difference between the 4070 and its big brother is power. 35 Watts per channel for stereo, 15 Watts per channel for Quadradial, minimum RMS, at 8 Ohms, from 40Hz to 20kHz, with no more than 0.9% Total Harmonic Distortion. Anyway you look at it, or listen to it, the Marantz 4070 is a chip off the old 4140 block.

*TM, CBS Laboratories, Inc.

MODEL 4000 QUADRADIAL® PRE-AMP ADAPTOR



Designed to complement any existing Marantz pre-amps or integrated amplifiers, but engineered to accommodate any high quality stereo system, Marantz has created the Model 4000. By adding the 4000, a 2-channel power amp, plus two additional speakers to your system...you'll have Quadradial sound at its room-filling best. And you also have a greater variety of controls and features. The 4000 is your control center for volume, balance, mode and features rear channel tone controls. And your existing pre-amp controls are completely operable. On the 4000 you get all the outstanding Marantz Quadradial features: Vari-Matrix, balance controls, low and hi filters, 4 illuminated meters and the convenient remote control output. Plus you get switching for both main and remote 4-channel speaker systems and, of course, our exclusive matrix decoder pocket. With all the Marantz styling and precision, the 4000 works hard. You can take it easy.

STEREO 2 + QUADRADIAL 4 RECEIVERS AND COMPONENTS

Marantz brings you stereo today . . .

4-channel whenever you want it.

All of the Marantz systems in this section have one thing in common.

They're all designed with non-obsolescence guaranteed. They'll perform as stereo systems for as long as you like, plus they're four channel music makers that are ready for the future. And here are the features that will take you there . . .

Bridging Circuit. When used for conventional stereo, the front and rear amplifiers may be combined to produce more than twice the rated power per channel than their individual rated power.

Hidden Pocket. Accommodates optional SQ or RM Decoders, or any future advance in 4-channel Matrix design.*

Mode Switch. In addition to the mono and 2-channel positions, three others are included: discrete, for any discrete 4-channel source; SQ, plugged into the hidden pocket; and Vari-Matrix, which enhances any stereo program with the exciting 4-channel effect of a live performance.

The Marantz Stereo 2 + Quadradial 4 Music Systems. By investing in one today, you can say you're putting something away for the future.

**TM, CBS Labs, Inc.*

MARANTZ MAKES YOU A PRO . . . WITH DOLBY*

Dolby Noise Reduction System. While filter circuits remove noise and hiss from any given program source, they also audibly alter the fidelity. The uniqueness of the Dolby system is that it reduces noise and hiss to an inaudible level without affecting the fidelity of the music. In tape, it allows recording at slower speeds with less noise and hiss, and more clarity than normally achieved at 7½ ips without Dolby. And on FM broadcasting, interference noise and static are reduced to a low level never before reached.

No longer is the Dolby system a luxury. It has virtually become the industry standard for noise reduction. And now Marantz has put the Dolby system where it will best serve you. In five of the Marantz receivers. So, you're no longer restricted in your choice of cassette or tape decks. No worry over purchasing an expensive external device that at best is cumbersome; and at worst, may have only limited application. And in the tradition of Marantz, the versatile Dolby circuit of today is designed to meet the technology of tomorrow.

**TM Dolby Labs, Inc.*

POWER AMPLIFIER	4400	4300	4270	4240	4230
Stereo Mode, Minimum continuous average output per channel, all channels driven	125 Watts	100 Watts	70 Watts	40 Watts	30 Watts
Quadradial Mode, Minimum continuous average output per channel, all channels driven	50 Watts	40 Watts	25 Watts	17 Watts	12 Watts
Power Band	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	40Hz-20kHz
Total Harmonic Distortion	.15%	.15%	.3%	.5%	.5%
Load Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
IM Distortion (S.M.P.T.E. Method)	.15%	.15%	.3%	.5%	.5%
Frequency Response, High Level Input, @ 1 Watt Output	20Hz-20kHz $\pm .25\text{dB}$	20Hz-20kHz $\pm .25\text{dB}$	20Hz-20kHz $\pm .5\text{dB}$	20Hz-20kHz $\pm 1\text{dB}$	20Hz-20kHz $\pm 1\text{dB}$
Input Sensitivity and Impedance	1.0V 33kOhms	1.0V 33kOhms	1.0V 33kOhms		
Damping Factor	50	50	40	40	40

AM/FM TUNER	4400	4300	4270	4240	4230
FM Quieting Slope: RF Input for 30dB Quieting:	1.8 μ V	1.9 μ V	1.9 μ V	1.9 μ V	2.8 μ V
Quieting at 5 μ V RF Input:	55dB	55dB	55dB	55dB	42dB
Quieting at 10 μ V RF Input:	60dB	60dB	60dB	60dB	49dB
Quieting at 50 μ V RF Input:	70dB	70dB	70dB	70dB	55dB
Total Harmonic Distortion: Mono:	0.2%	0.2%	0.3%	0.3%	0.6%
Stereo:	0.3%	0.3%	0.4%	0.4%	1.0%
Selectivity: Alternate Carrier	75dB	70dB	60dB	60dB	48dB
Capture Ratio:	1.5dB	1.5dB	1.5dB	1.5dB	2.5dB
Stereo Separation: at 1kHz	42dB	40dB	40dB	40dB	32dB
Spurious Rejection:	95dB	90dB	90dB	90dB	45dB
Image Rejection:	90dB	90dB	70dB	70dB	55dB
IF Rejection:	100dB	100dB	80dB	70dB	40dB
AM Suppression:	60dB	50dB	50dB	50dB	45dB
AM Sensitivity:	20 μ V	20 μ V	20 μ V	20 μ V	25 μ V
PRE-AMPLIFIER, Phono-Section:					
Dynamic Range: Ratio of Input Overload Voltage to Equivalent Noise:	96dB	96dB	95dB	93dB	93dB
Equivalent Noise Input:	1.5 μ V	1.5 μ V	1.9 μ V	1.9 μ V	2.2 μ V
Sensitivity and Impedance:	2.0mV 47kOhms	2.0mV 47kOhms	2.0mV 47kOhms	2.0mV 47kOhms	1.8mV 47kOhms
High Level:	150mV	150mV	150mV	150mV	180mV
Input Sensitivity and Impedance:	100kOhms	100kOhms	100kOhms	100kOhms	120kOhms
Tone Controls: Bass: 50Hz	$\pm$ 10dB	$\pm$ 10dB	$\pm$ 10dB	$\pm$ 10dB	$\pm$ 10dB
Mid: 700Hz	$\pm$ 6dB	$\pm$ 6dB	$\pm$ 6dB		
Treble: 15kHz	$\pm$ 10dB	$\pm$ 10dB	$\pm$ 10dB	$\pm$ 10dB	$\pm$ 10dB
Output Level and Impedance	1.0V 900 Ohms	1.0V 900 Ohms	1.0V 900 Ohms		

MODEL 4300 STEREO 2+ QUADRADIAL® 4 RECEIVERS



The Marantz Touch at its best. The Model 4300 gives you 100 Watts per channel for stereo, 40 Watts per channel for Quadradial, minimum RMS, at 8 Ohms, from 20Hz to 20kHz, with no more than 0.15%

Total Harmonic Distortion. The 4300 is equipped with a versatile Dolby* Circuit for simultaneous recording and playback with any tape machine. And our exclusive "hidden pocket" accommodates either one

of our inexpensive SQ** Decoders, and assures that future developments will not make the entire receiver obsolete. It also offers precise decoding of any Dolby-encoded FM broadcast including the 25 μ S De-emphasis recently approved by the Federal Communications Commission, and is designed to work with future applications of the Dolby System. A Phase-Lock-Loop (PLL) Multiplex Demodulator assures maximum separation and minimum distortion on FM stereo broadcasts, and an FM Quadradial output jack provides for future 4-channel broadcast developments. Separation of the tuner/pre-amplifier section from the main amplifiers allows you to use the 4300 with additional external power amplifiers, equalizing devices, or electronic crossovers. Also, tape monitoring facilities for two 4-channel tape recorders are provided with the ability to dub from either one to the other. The 4300 also offers an outlet for the convenient remote control.

*TM, Dolby Labs, Inc.

**TM, CBS Laboratories Inc.

MODEL 4400 STEREO 2+ QUADRADIAL® 4 RECEIVER



Life at the top. The Model 4400 Receiver. Singularly the most powerful (125 Watts per channel for stereo, and 50 Watts per channel for Quadradial, minimum RMS, at 8 Ohms, from 20Hz to 20kHz, with no more than 0.15% Total Harmonic Distortion) in the world. And the 4400 offers simply the very finest sound and sight available. The "eyes" of this dynamic receiver is its built-in oscilloscope. Assisting you in deriving nothing less than perfect reception every time for your FM listening pleasure. This oscilloscope lets you tune-in your favorite program with maximum signal strength and absolute minimum multipath distortion. This feature is designed not only for stereo, but also for complete 4-channel display. Now you can observe the effect your 4-channel controls have on the music you're hearing. See the difference between SQ** and CD-4***. And see how your stereo program picture changes when you enhance

it with the Marantz exclusive Vari-Matrix with Dimension Control, giving you the full vibrance of synthesized 4-channel sound. And there's another "special something" that puts the 4400 on top. In a word, Dolby* Designed with an exclusive configuration expressly by Marantz, this unit reduces unwanted noise without affecting the full, dramatic frequency range of the music you're into. And this feature puts your mind at ease, too. Because it's designed for future applications, as well as any of today's FM broadcasts and tapes. And there's more. Our exclusive "hidden pocket" accommodates either one of our inexpensive SQ Decoders, and assures that future developments will not make the entire receiver obsolete. Full remote control capabilities for precise sound placement anywhere in your listening area. The 4400 also incorporates a Phase-Lock-Loop (PLL) Multiplex Demodulator for maximum separation and mini-

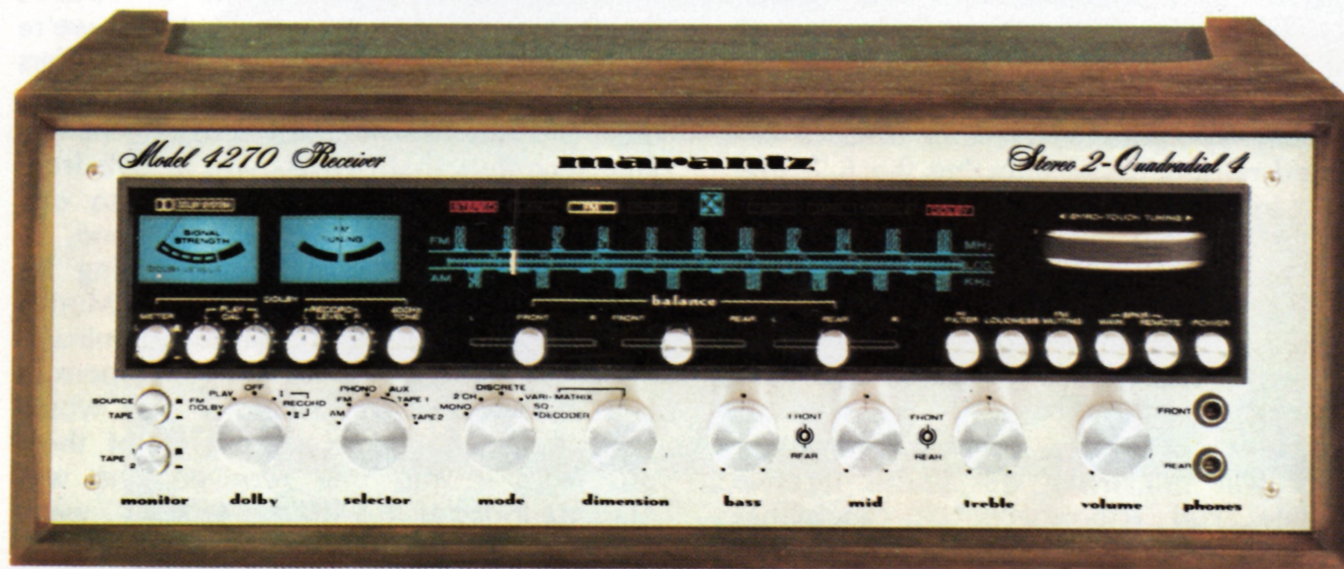
mum distortion on FM stereo broadcasts. The technology of this PLL was perfected originally for communications in NASA's Space Program. Just to let you know we're keeping ahead of things. The 4400 offers some other "fringe benefits" too. Like versatile tape monitor circuits for two 4-channel tape recorders that permits you to dub from either one to the other, or listen to one while recording from AM, FM, Phono, or Aux on the other. Gyro-Touch tuning for instant tuning accuracy. And the FM Muting and Muting Threshold control eliminates inter-station noise when tuning and permits you to receive weak stations that would normally be muted. Now, put all of these pro features into one receiver. The way Marantz looks at it, with the 4400 . . . we're fulfilling our image.

*TM, Dolby Labs, Inc.

**TM, CBS Laboratories, Inc.

***TM, Victor Company of Japan

MODEL 4270 STEREO 2+ QUADRADIAL® 4 RECEIVER



Exciting to hear. Exciting to own. That's the Marantz 4270. Here are some good reasons why. First, the Dolby* Noise Reduction Circuit is included for use with tape, FM, or future applications. And our exclusive "hidden pocket" accommodates either one of our inexpensive SQ** Decoders, and assures that future developments will not make the entire receiver obsolete. The 4-channel balance controls put all the music right where you want it. The Phase-Lock-Loop FM Multiplex Demodulator is your assurance of precise stereo separation on FM stereo broadcasts. And for precision reception the Gyro-Touch tuning wheel and two illuminated meters are part of the package. As a stereo receiver you have 70 Watts of power per channel, in Quadradial 25 Watts per channel, minimum RMS, at 8 Ohms, from 20Hz to 20kHz, with no more than 0.3% Total Harmonic Distortion. Another feature is an outlet for the convenient remote control.

*TM, Dolby Labs, Inc.

**TM, CBS Laboratories, Inc.

MODEL 4240 STEREO 2+ QUADRADIAL® 4 RECEIVER



Built with precision from the inside, out. The Model 4240 offers the most popular

and practical features traditional of Marantz. Everything from our versatile version of the

Dolby* Noise Reduction Circuit to our exclusive Gyro-Touch tuning to the complete 4-channel balance controls. And our exclusive "hidden pocket" accommodates either one of our inexpensive SQ** Decoders, and assures that future developments will not make the entire receiver obsolete. Plus the convenient remote control outlet for sound control when you want, wherever you want it. There's all the power you need with 40 Watts per channel for stereo and 17 Watts per channel for Quadradiol, minimum RMS, at 8 Ohms, from 20Hz to 20kHz, with no more than 0.5% Total Harmonic Distortion. And the music you hear is clear, crisp and vibrant. The loudness control switch boosts low and high frequencies so every nuance of your music is heard with "live performance" realism, even when played at low volume. The 4240 is a true Marantz. When you hear it, you'll understand why.

*TM, Dolby Labs, Inc.

**TM, CBS Laboratories, Inc.

MODEL 4230 STEREO 2+ QUADRADIAL® 4 RECEIVER



For tomorrow. The brother to the highly rated 2230 is available today in this versatile unit. Engineered and built with the same

care and precision that earned a top rating for the earlier model, the 4230 continues the tradition of quality that to Marantz is

a standard. To you it's assurance. With 30 Watts of power per channel for stereo, or 12 Watts per channel for Quadradial, minimum RMS, at 8 Ohms, from 40Hz to 20kHz, with no more than 0.5% Total Harmonic Distortion, the 4230 answers your call for power and performance at the best possible price. Plus you get our versatile configuration of the Dolby* Noise Reduction Circuit and the complete 4-channel balance controls for precise placement of your music. And our exclusive "hidden pocket" accommodates either one of our inexpensive SQ** Decoders, and assures that future developments will not make the entire receiver obsolete. A remote control outlet is provided for added convenience. With complete provisions for two Quadradial tape recorders, plus the loudness and hi filter, the distinctive sound in the "all fashioned" 4230 proves again that Marantz can't be beat for old fashioned value.

*TM, Dolby Labs, Inc.

**TM, CBS Laboratories, Inc.

POWER AMPLIFIER	2325	2270	2245	2230	2220B	2015
Minimum continuous average output per channel, all channels driven	125 Watts	70 Watts	45 Watts	30 Watts	20 Watts	15 Watts
Power Band	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	40Hz-20kHz
Total Harmonic Distortion	.15%	.3%	.3%	.5%	.5%	.9%
Load Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
IM Distortion (S.M.P.T.E. method)	.15%	.3%	.3%	.5%	.5%	.9%
Frequency Response, High Level Input, @ 1 Watt Output	20Hz-20kHz ±.25dB	20Hz-20kHz ±.25dB	20Hz-20kHz ±.5dB	20Hz-20kHz ±.5dB	20Hz-20kHz ±1.0dB	20Hz-20kHz ±1.0dB
Input Sensitivity and Impedance	1.0V 100kOhms	1.0V 100kOhms	1.0V 100kOhms	1.0V 47kOhms		
Damping Factor	70	59	55	50	45	40

AM/FM TUNER	2325	2270	2245	2230	2220B	2015
FM Quieting Slope						
RF Input for 30dB quieting:	1.8μV	1.9μV	2.0μV	2.0μV	2.0μV	2.8μV
Quieting at 5μV RF Input:	55dB	55dB	55dB	53dB	50dB	42dB
Quieting at 10μV RF Input:	60dB	60dB	60dB	57dB	58dB	49dB
Quieting at 50μV RF Input:	70dB	67dB	65dB	63dB	65dB	55dB
Total Harmonic Distortion: Mono:	.15 %	.15 %	.15 %	.15 %	.3 %	.6 %
Stereo:	.3 %	.25 %	.3 %	.3 %	.5 %	1.0 %
Selectivity: Alternate Carrier:	80dB	80dB	60dB	60dB	50dB	48dB
Capture Ratio:	1.25dB	1.6dB	1.6dB	2.5dB	2.5dB	3.0dB
Stereo Separation at 1kHz:	42dB	42dB	42dB	42dB	40dB	32dB
Spurious Rejection:	100dB	95dB	95dB	90dB	90dB	45dB
Image Rejection:	100dB	90dB	80dB	70dB	65dB	35dB
IF Rejection:	100dB	90dB	90dB	90dB	80dB	40dB
AM Suppression:	65dB	65dB	60dB	50dB	45dB	30dB
AM Sensitivity:	20μV	20μV	20μV	20μV	20μV	25μV
PRE-AMPLIFIER, Phono Section:						
Dynamic range: Ratio of input						
Overload Voltage to equivalent noise:	96dB	96dB	96dB	96dB	93dB	93dB
Equivalent noise input:	1.5μV	1.5μV	1.5μV	1.5μV	2.2μV	2.2μV
Sensitivity and impedance:	1.8mV 47kOhms	1.8mV 47kOhms	1.8mV 47kOhms	1.8mV 47kOhms	1.8mV 47kOhms	2.1mV 35kOhms
High Level	180mV	180mV	180mV	180mV	180mV	150mV
Input Sensitivity and Impedance	100kOhms	100kOhms	100kOhms	100kOhms	100kOhms	100kOhms
Bass: 50Hz	± 15dB	± 15dB	± 15dB	± 15dB	± 10dB	± 12dB
Tone Controls: Mid: 700Hz	± 6dB	± 6dB	± 6dB	± 6dB	± 6dB	
Treble: 15kHz	± 15dB	± 15dB	± 15dB	± 15dB	± 10dB	± 12dB
Output Level and Impedance	1.0V 900 Ohms	1.0V 900 Ohms	1.0V 900 Ohms	1.0V 900 Ohms		

MARANTZ STEREO RECEIVERS.

Introducing A Tradition.

These are the systems which, to a large degree, have earned Marantz its reputation for professionalism. Here you will see five classic receivers. Classic, in the sense that they have become the most demanded receivers in their categories. Their appearance, as well as the realism of the music that springs from them, reaffirms their image. We do sound better. And we're sounding better all the time.





MODEL 2325 AM/FM STEREO RECEIVER

To say the new Marantz Model 2325 is the very finest receiver in the world would be an exercise in understatement. Think of it. Built-in Dolby Noise Reduction System*, Phase-Lock-Loop FM Multiplex Demodulator, Variable Turnover Tone Controls. Every audiophile desire and more has been thoughtfully and carefully incorporated into this magnificent instrument. 125 Watts minimum RMS power per channel, at 8 Ohms, from 20Hz to 20kHz, with no more than 0.15% Total Harmonic Distortion provides performance that can only be equaled by the very finest separate components. And versatility-plus. The built-in Dolby system is designed with tomorrow in mind, and may be applied to any signal source. FM broad-

cast and tape recording are already benefiting from its application, but what about records or even AM broadcasts? The 2325 is ready. You can even use it today as a Variable Dynamic Noise Filter to remove undesirable hiss, static, and scratchiness from non-Dolby encoded material. The Phase-Lock-Loop Multiplex Demodulator provides up to 42dB channel separation on FM stereo broadcasts with an absolute minimum of distortion. Plus, there's a Multipath Indicator to help you rotate your antenna for the best possible signal. The features, like the performance, go on and on. Make your comparison today. The 2325 is by far the very finest stereo receiver ever manufactured.

*TM, Dolby Labs, Inc.

MARANTZ STEREO RECEIVERS.

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MODEL 2270 AM/FM STEREO RECEIVER



Shown in optional WC-22 Walnut Cabinet.

Power hungry? The Model 2270 is a fulfilling experience. It delivers over 140 Watts continuous power, both channels driven, from 20 Hz to 20 kHz, with under 0.3% THD and IM distortion! The features are pretty powerful, too. The direct-coupled OCL amplifier, with automatic relay-operated speaker protection, continues the design tradition founded by Marantz years ago. Plus it offers exclusive Marantz touches, such as Variable Overlap Drive, which automatically compensates for natural aging of internal components. This assures continued "like new" performance. There's Gyro-Touch Tuning for greater tuning accuracy. And with the hi and low filters unwanted high and low-frequency noise is reduced. There's complete facilities for monitoring two tape recorders, main and remote speaker switching, bass, mid-range and treble tone controls, and front panel tape dubbing jacks. Looking into the future the 2270 provides a Quadradial output jack for any future developments in 4-channel FM broadcasting. With gold-anodized front panel and two illuminated tuning meters the 2270 is a receiver that looks as great as it sounds.

MODEL 2245 AM/FM STEREO RECEIVER



For superb FM stereo, clean power, and sophisticated control, the moderately-priced Model 2245 is unmatched at its price. With professional quality, impressive specs, and features galore, the Model 2245 delivers more than 90 Watts continuous power, both channels driven, from 20 Hz to 20 kHz, with under 0.3% THD and IM distortion. Preamp control section includes: stepped three-zone tone controls for BASS, MID, TREBLE; provisions for two tape decks, phones, four-channel adaptors; ultra low-noise, low-distortion FET, RF, and IF circuitry; massive heat sinks; direct-coupled output circuitry, automatic protection for internal circuitry and associated speakers; plus gold-anodized front panel. Completely enclosed chassis in simulated walnut.

Shown in optional WC-22 Walnut Cabinet.

MODEL 2230 AM/FM STEREO RECEIVER



Best in its class. With impressive specifications and Marantz-exclusive features, the Model 2230 offers more value and performance than any other receiver in its class. We've known that for years. But just recently, one of the nation's most respected independent consumer testing organizations verified it. In not just one, but two separate categories — features *and* performance. It delivers 60 Watts continuous power, both channels driven, from 20 Hz to 20 kHz with total harmonic and intermodulation distortion well under 0.5%. Stepped, three-zone tone controls for BASS, MID, TREBLE. Provisions for tape decks, phones, record changers and 4-channel adaptors. Ultra low-distortion FET, RF and IF circuitry. Massive heat sinks; automatic protection for internal circuitry and associated speakers, plus the famous Marantz gold-anodized front panel. Looking for a moderately priced receiver? The Marantz 2230 out-does them all.

Shown in optional WC-22 Walnut Cabinet.

MODEL 2220B AM/FM STEREO RECEIVER



Power, performance and price. That's what you're shopping for when you're in the market for a stereo receiver. And the Marantz Model 2220B has it all. Delivering

20 Watts per channel, minimum RMS, at 8 Ohms, from 20Hz to 20kHz, with no more than 0.5% Total Harmonic Distortion. And this receiver has all professional features to

match the professional specs. Like detented bass, mid and treble tone controls for precise settings. And the horizontal slide balance control puts your music right where you want it. And what about that music? It's just the way you want it. Thanks to the combined efforts of all those Marantz "sound features." Like the low and hi filters to remove unwanted noise from old program material. And on the FM side, just see for yourself. With the dual purpose tuning meter let your finger glide over that Gyro-Touch tuning wheel and you'll find instant optimum reception every time. And here's another something special. The Marantz exclusive Phase-Lock-Loop (PLL) FM Multiplex Demodulator for maximum separation and minimum distortion on FM stereo broadcasts. The Model 2220B also offers complete advanced FET's and IC's throughout, and full complementary direct-coupled output circuitry for continued superior dependable performance.

MODEL 2015 AM/FM STEREO RECEIVER



There was a time when some people said they could never afford a Marantz. That

was before the Model 2015 came along. We call it the "something for everyone" model.

It has all the traditional Marantz styling and quality — yet, it's priced where practically anybody can reach it. The 2015 simply combines all Marantz high-performance features into a smaller body. This way it's sized to fit any shelf or table . . . and just about any budget. And, technically speaking, the 2015 is a pro in every sense of the word. There's 15 Watts of power per channel, minimum RMS, at 8 Ohms, from 40Hz to 20kHz, with no more than 0.9% Total Harmonic Distortion. Complete with tape, phono and auxiliary inputs, as well as convenient quick-connect output terminals for main and remote speakers. This precision-constructed unit also offers Gyro-Touch tuning for accurate reception; plus FM Muting pushswitch, which eliminates inter-station noise while tuning. There's also built-in ferrite AM antenna and advanced solid-state circuitry throughout. Compare features, performance and price. The 2015 beats all the others. And with Marantz the beat goes on . . .

AM/FM TUNER	150	125	112	105B
FM Quieting Slope:				
RF Input for 30dB Quieting:	1.2 μ V	1.4 μ V	1.7 μ V	3.5 μ V
Quieting at 5 μ V RF Input:	58dB	56dB	55dB	42dB
Quieting at 10 μ V RF Input:	62dB	61dB	60dB	49dB
Quieting at 50 μ V RF Input:	72dB	71dB	70dB	55dB
Total Harmonic Distortion				
Mono:	.15%	.2%	.3%	.6%
Stereo:	.3%	.3%	.5%	.8%
Selectivity: Alternate Carrier	85dB	80dB	65dB	48dB
Capture Ratio	1.0dB	1.1dB	1.5dB	3.0dB
Stereo Separation: at 1kHz	45dB	42dB	40dB	40dB
Spurious Rejection:	105dB	100dB	95dB	70dB
Image Rejection:	105dB	100dB	80dB	50dB
IF Rejection:	105dB	100dB	90dB	50dB
AM Suppression:	65dB	63dB	60dB	55dB
AM Sensitivity:	20 μ V	20 μ V	20 μ V	25 μ V

MODEL 125 AM/FM STEREO TUNER



Marantz builds classics. And here's another one to add to the already impressive list.

The Marantz Model 125 incorporates many of the same fine features offered in the

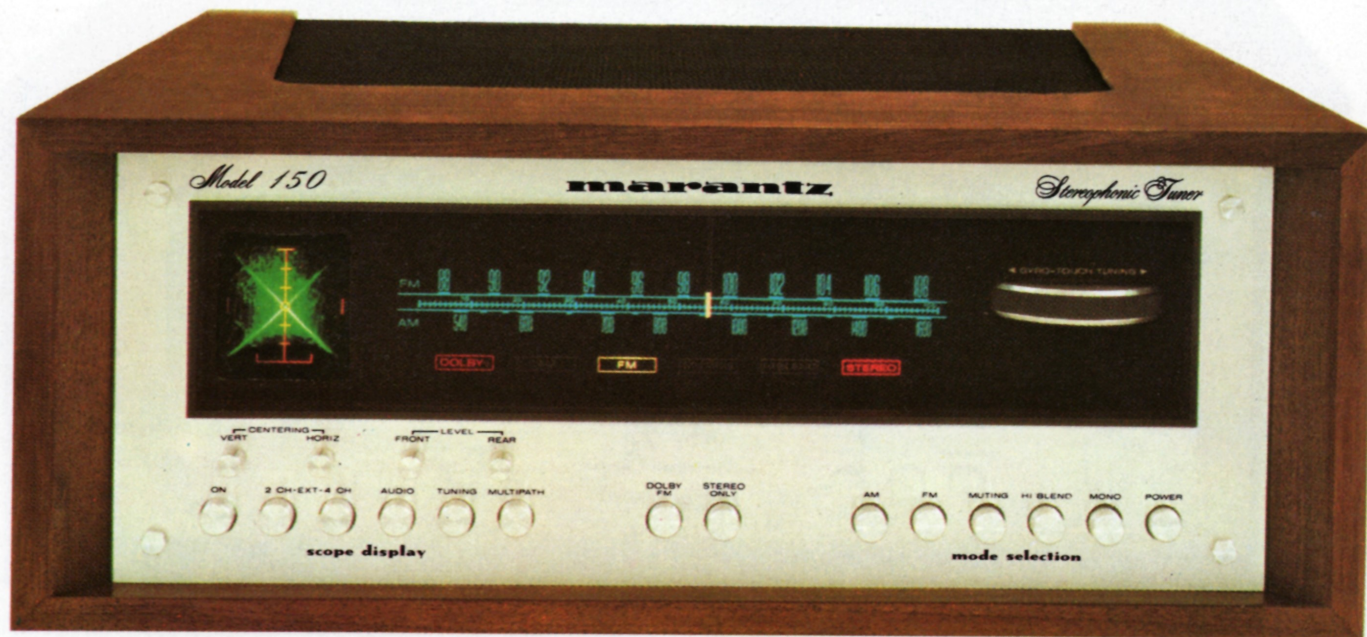
Model 150. Like the 18 pole linear phase LC filter, which we previously mentioned. With it you are assured the very lowest Harmonic and Intermodulation Distortion along with superb phase response so important for today's stereo & 4-channel matrix broadcasts. There's also a Phase-Lock-Loop (PLL) FM Stereo Multiplex Demodulator to further guarantee the best separation and distortion figures possible. There is a special Dolby* De-Emphasis switch to change the FM de-emphasis to 25 μ S when listening to the newly approved Dolby FM broadcasts. This provides for the most "noise-free" FM reception possible. And while we are on the subject of further applications, the Marantz 125 is ready with the Quadradial output jack for decoding 4-channel broadcasts when approved by the FCC. Meanwhile, there are plenty of other benefits you can use right now. Much more than you could find elsewhere at this price. But with Marantz, this story has *already* become a classic.

*TM, Dolby Labs, Inc.

A legend in its own time. By taking the very best features of our two most famous stereo tuners of the past (the Marantz Models 10B and 120B) combined with the technology of the present — plus something special for the future . . . we've created a legend. The Marantz Model 150. And here's how the legend goes.

For openers we incorporated the use of an 18 Pole Linear Phase LC Filter. Designed by Marantz engineers for use in the Model 150, this Linear Phase design is a great improvement above other conventional configurations including ceramic and crystal filters. With this feature the Phase Distortion difference is over 15 times finer than its competition! Thanks to this extremely low Phase Distortion the harmonic and intermodulation distortion level is, likewise, considerably lower. Plus, optimum

MODEL 150 AM/FM STEREO TUNER



tuning is much easier to achieve now, thus diminishing high frequency distortion. "Quieting Sensitivity" is greatly improved. And listen to this.

The Marantz 150 features a Phase-Lock-Loop (PLL) FM Stereo Multiplex Demodulator for precise stereo separation and minimum distortion from FM stereo broadcasts. Or, to be more technical, this feature automatically maintains a precise phase relationship with the 38kHz subcarrier through an electronic servo loop. The technology of PLL was perfected originally for communications in NASA's Apollo Space Program. Just another example of Marantz' continuing efforts to offer the very latest in space-age solid-state technology. Read on.

We've kept our traditional built-in oscilloscope and all the benefits that go with it. A full three inches in size. And complete

4-channel display capabilities. This means you can actually see what effect your 4-channel system's controls have on the music you're into. See the difference between SQ** and CD-4***. And observe the changes in your stereo program when the Marantz exclusive Vari-Matrix with Dimension Control is put to work, giving you all the vibrance of synthesized 4-channel sound. Plus, you still get 2-channel display capabilities that show stereo separation and allow you to check if a station is broadcasting in the proper phase. And, as before, there's the tuning and Multipath indications for maximum performance and minimum distortion. So, you have a built-in visual indicator simply unequaled by any number of meters and dials. And more.

Thinking of converting to 4-channel? You're all set with the "4-channel ready" Quadrantal

output jack for decoding 4-channel broadcasts when approved by the FCC. As for stereo. A unique Stereo Only Switch is included with the Model 150 that lets you tune-in only stereo stations. Plus a special Dolby* De-Emphasis Switch for use with an external adaptor—to accommodate Dolby FM broadcasts. Add to all this more outstanding Marantz features like Gyro-Touch tuning, FM Muting and Muting Threshold control, a Hi Blend Switch and much, much more you'll just have to see (and hear) to believe. You'll have to agree. The Marantz Model 150 Tuner hits all the bases and then some. Simply the finest tuner made today, for tomorrow. That's what Marantz is all about.

*TM, Dolby Labs, Inc.

**TM, CBS Laboratories, Inc.

***TM, Victor Company of Japan

MODEL 112 AM/FM STEREO TUNER



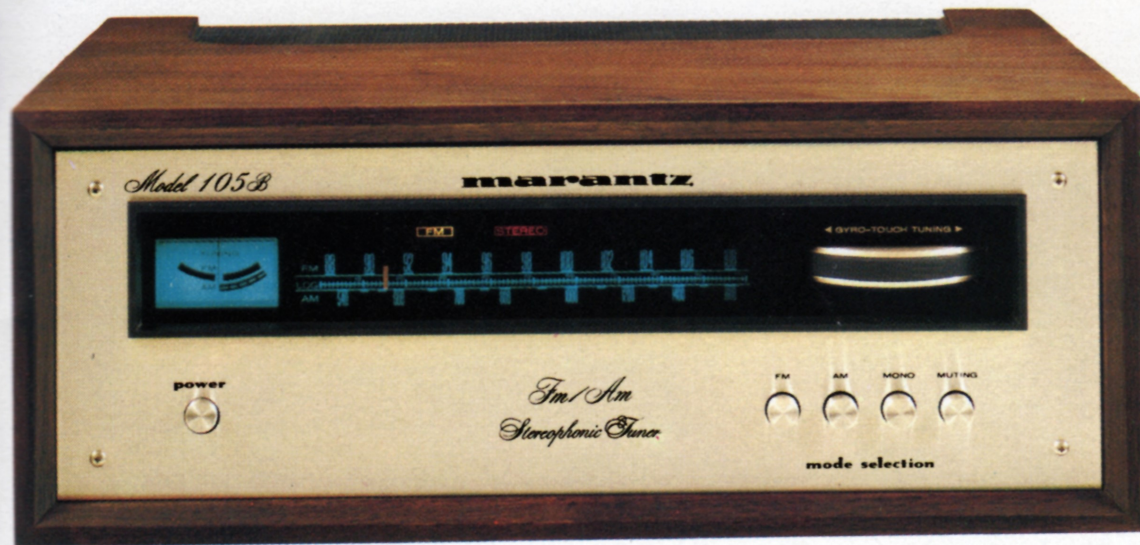
For every *classic* — there has to be an *economy classic*. That's the gospel according to

Marantz. Here it is. The Model 112. But note: this tuner doesn't economize on high per-

formance or excellent sensitivity. Of course we offer the Phase-Lock-Loop (PLL) you've been hearing so much about. There's also that unique Dolby*De-Emphasis switch (25 μ S and 75 μ S) for listening to those newly approved Dolby broadcasts. With an external Dolby these two features deliver the very finest FM reception possible. There's even the dual-purpose tuning meter to help them along. Combined with the Gyro-Touch tuning dial you're assured absolute perfect station placement on FM with center of channel tuning and precise AM signal strength every time. We mentioned new Dolby broadcasts. Well, looking into the future a little further, the Model 112 incorporates that "4-channel ready" Quadradial output jack for decoding those broadcasts when approved by the FCC. For tomorrow you're all set. Looking back on it all, the Model 112 doesn't really look like an economy tuner at all. But then, look at the price. We planned it that way.

*TM, Dolby Labs, Inc.

MODEL 105B AM/FM STEREO TUNER



Marantz wanted to make a stereo tuner that was a cut above other brands, yet, at a price comparable. In a way, we failed ...because this costs less. The Model 105B has the same precision and quality as the other Marantz components. We've simply returned to the basics. You still get our exclusive Gyro-Touch tuning for accuracy. And the dual-purpose meter indicates best tuning position for optimum reception on AM or FM. Complete advanced FET and IC circuitry throughout assures superior, dependable performance. And the Quadradial output jack is there for any future developments in 4-channel FM broadcasting. There's also a built-in ferrite AM antenna, plus inputs for FM and external AM antenna. The 105B has the same gold-anodized front panel with complete complement of pushswitch selectors. There's even an optional hand-rubbed walnut cabinet to match. The Model 105B. Basically, Marantz at its best. But not too basically.

Shown in optional WC-10 Walnut Cabinet.

NIEUWE BRUTO

MARANTZ PRIJSL:

Componenten:

240	f 1.698,--
250 M	- 2.798,--
1120	- 2.198,--
1200-B	- 3.618,--
3600	- 2.368,--
3800	- 2.698,--
1030	- 678,--
1040	- 838,--
1060	- 838,--
1070	- 1.088,--
105-B	- 668,--
112-B	- 908,--
125	- 1.498,--
120	- 2.298,--
150	- 2.448,--

Stereo Receivers:

2015	- 928,--
2220	- 1.228,--
2220-B	- 1.428,--
2230	- 1.498,--
2245	- 2.298,--
2270	- 2.798,--
2325	- 3.698,--

Stereo 2/quadradiel 4 receivers:

4230	- 2.048,--
4240	- 2.598,--
4270	- 3.198,--
4300	- 4.398,--
4400	- 5.298,--

Bruto richtprijzen

Incl. 16% B.T.W.

E.v.t. prijswijzigingen voorbehouden

PRIJSLIJST.

IJST AUGUSTUS 1975.

Stereo 2/quadradiat 4 versterkers:

4070	f	1.548,--
4140	-	2.528,--
4000	-	1.298,--

Accessoires/Hoofdtelefoons:

RC-4	-	178,--
SQA-1	-	248,--
SQA-2	-	298,--
SD-5	-	128,--
SE-1-S	-	458,--
CD-400	-	638,--

Houten kasten (Noten)

WC-1	-	168,--
WC-2	-	158,--
WC-10/20	-	98,--
WC-22/42	-	128,--
WC-43/44	-	178,--

Luidsprekers:

4 G	-	278,--
5 G	-	358,--
6 G	-	538,--
7 G	-	658,--
8 G	-	1.098,--
9 G	-	1.598,--

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