

# CENTURY COLLECTION



**marantz**  
ART & SCIENCE

OUTSIDE, ART.



marantz

CABLE FM DOLBY SURROUND PRO LOGIC SIGNAL FM AUTO SCAN

CENTER NORMAL

DUBBING  
VDP-VCR-1

VCR

FM 100.3 MHz

PROGRAM  
MEMORY  
A1

IMPACT SENSOR

VCR 1

VCR 2

FM

FM

FM

PHONO

FM 100.3 MHz RECEIVER

*The invitation:*

*To listen*

*To sound that is open,  
Transparent, almost tactile.  
To become one with the music.*

*The seduction:*

*To touch*

*A symphony of shapes.  
Perfection in detail.  
Mastery in execution.*

*The drama:*

*A harmony of lights and shapes.  
Of hidden discoveries.  
Of quiet elegance.*

*The surprise:*

*Intelligently different.  
A statement of purpose.  
A declaration of individuality.*

*The reward:*

*A feeling of fulfillment  
From beauty that is functional.*

*The choice:*

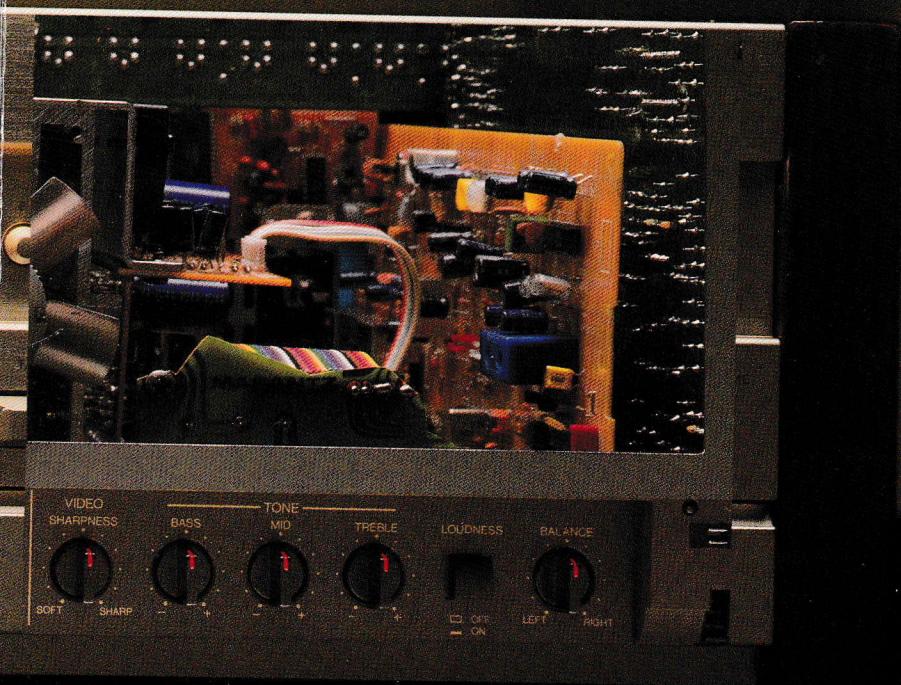
*To have it all.  
Anything less is compromise.*

*The conclusion:*

*Century Collection from Marantz.  
Art on the outside.  
State of the art on the inside.*



# INSIDE, STATE OF THE ART.



## CENTURY COLLECTION

*The challenge:*

*Fusion of art and science.*

*Strength and grace.*

*Passion and power.*

*The environment:*

*Master designers freed of limits.*

*Diverse technologies*

*Harmonized in function.*

*Intense creativity*

*Pursuing enduring quality.*

*The direction:*

*Toward tomorrow's technologies.*

*Embracing time-honored tradition.*

*The strength of history.*

*The excitement of change.*

*The purpose:*

*Products that invite you to listen.*

*Music and sound*

*That appears completely transparent.*

*The passion:*

*Creativity in abundance.*

*Designs different but with purpose.*

*In function and form.*

*The result:*

*Century Collection from Marantz:*

*Art and science.*

*Without limits.*



**marantz**  
ART & SCIENCE

*In creating the Century Collection, the design team developed significant technological refinements in nearly every product category. Here's a sampling:*

### **SUPERSCOPE FX SOUND.**

An early ancestor of today's Marantz was a company specializing in cinema technology. Several spectacular films produced in the 1950's used the very effective Superscope wide screen system. In recognition of this heritage, the design team has chosen to revive the Superscope name to describe this exciting, multi-technology home theatre sound system.

Superscope FX sound combines Dolby Surround Pro Logic with its highly effective logic steering, rear effects channels, and center dialogue channel; digital delay, to create a feeling of environmental spaciousness; subwoofer capability, to provide a solid foundation to the sound; and the addition of side-fill channels, to heighten the sense of theatrical realism to the home music listening and theatre experiences.

### **THERMAL TUNNEL.**

The design team sought not only to make superlative sounding products, but to have those products sound open and transparent *all the time*. A major barrier to this in traditional power amplifier designs is the degradation of the sound caused by output transistors heating beyond their efficient thermal operating range. When this happens with standard technology, the transistors cannot cool down quickly enough, because the heat sink essentially saturates, because it cannot cool as quickly as the transistors are heating.

To solve this problem, a new concept was born, the thermal tunnel. This very clever arrangement uses assisted convection cooling under thermostatic control. At low power levels, when the transistors are not running hot, the thermal tunnel functions as a normal heat sink. As power

dissipation rises, generating more heat, the thermal feedback system informs the master control circuitry, which operates a low-speed high-volume air circulator, to accelerate cooling within the tunnel. As temperature rises, the circulation speed increases, keeping the output transistors in their ideal thermal range.

### **MULTI SCAN.**

Century receivers and tuners make use of a very sensible feature called Multiscan. Essentially, multi-scan breaks down a large number of tuner presets into smaller groups, so you can have the preset buttons assigned to as many as three different listeners, or three program groups.

For example, you may like classical music and jazz, so you program your set of multiscan presets to stations that play your type of music. Someone else in the house is a rock and pop listener, so they set their presets to their favorite music. Still another listener prefers sports, news, and talk shows, so they set their multi-scan group to coincide with their listening tastes. Or, if the Century tuner or receiver is to be used only by you, you may set the multiscan groups to each have a different type of music dedicated to that group.

### **CLASS DX.**

Marantz has traditionally been at the forefront of audio technology, especially digital audio technology. Marantz was the first American company to offer a compact disc player to the general public. And in the highly acclaimed CD-94, Marantz has embodied probably the finest CD player available that utilizes conventional digital-to-analog converters.

Now, Marantz introduces another first. Class DX. This advanced technique attacks the last major barrier in making CD performance consistently flawless: the digital-to-analog converter (DAC). The traditional DAC is actually an analog, not digital, device. It is subject to substantial error, and

It is subject to substantial error, and its ability to resolve small signals accurately is limited. In other words, it is less than perfect, although in highly refined players, such as the CD-94, it can work very well, indeed.

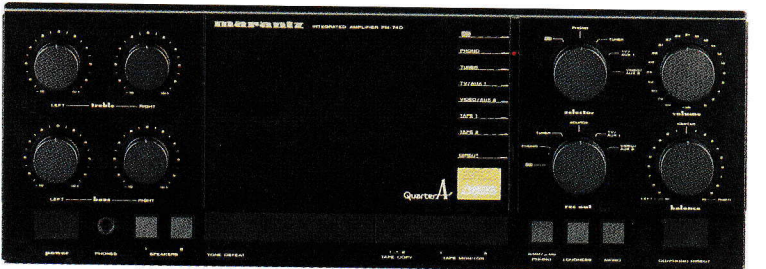
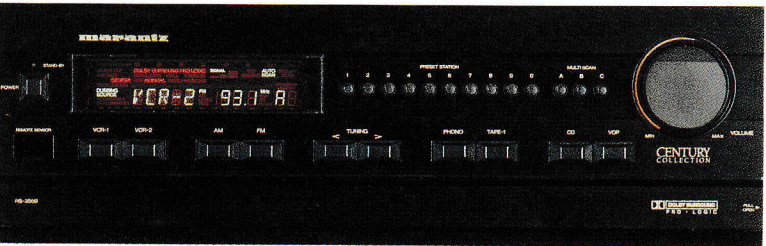
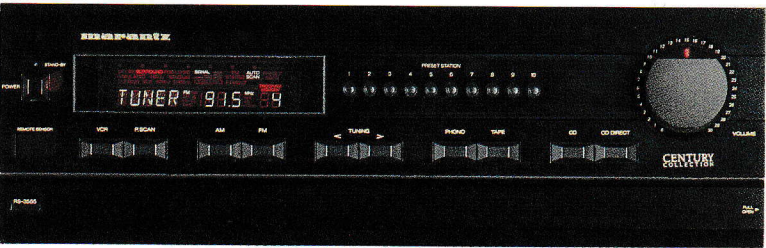
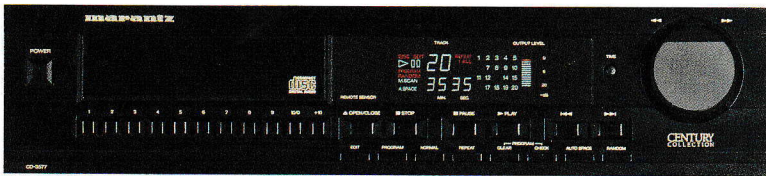
Briefly, Class DX solves the irregularities of conventional DAC technology by eliminating the conventional DAC completely. A double-stable quartz-regulated 256-times oversampling digital filter, multi-stage noise shaper, and a gentle low-order analog filter are the essential parts of the system. Dynamic range, large-signal distortion, and signal-to-noise ratio are competitive with the finest conventional DAC systems. In addition, linearity at all signal levels and small-signal distortion are significantly improved by Class DX.

### **GYRODISC.**

The Century Collection design team developed a new kind of compact disc changer. Uniquely, you can actually change discs in the changer rotation while the current selected disc is playing. That's because the Century Gyrodisc system lets you load up to five discs at a time in the *top* of the changer, not in a hidden tray or magazine. A smoked dust-cover protects the discs and mechanism, and be lifted at anytime to change discs without interrupting play or program.

### **SEQUENCE TOUCH.**

To maintain the pristine appearance of the Century Collection, yet equip the cassette deck with advanced features, the design team developed Sequence Touch. This system assigns most-often-used functions as the primary function of a control key, but permits the key or button to be used for secondary or tertiary purposes, indicating status on the illuminated status display. The controls operate intuitively, so Sequence Touch is easy to use, and the front panel remains uncluttered, and easily understandable.



# CENTURY COLLECTION: THE CHOICE IS YOURS.

Throughout the continually expanding Century Collection run two themes:

Enduring quality. Transparent sound technology. Every product in the series is a creation of the high caliber of art and science which has been the hallmark of Marantz for more than 35 years.

And each product reproduces sound in the uncompromising tradition of Marantz. Open. Natural.

Transparent. The search for sonic improvements goes on continuously at Marantz, with the most successful outcomes of that search embodied

in the art and science of the Century Collection.

From receiver to turntable, to advanced compact disc player and changer, to tuner and amplifier, the Century Collection covers every major segment of audio electronics.

And each one embodies the best that today's audio art and science can create.

The Century Collection from Marantz. Art on the outside. State of the art on the inside.

Henry Jordan



626-6790

SOUND

1913 YALE ST.

Equipment Co.

FORT WORTH, TEXAS

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