

Tech Sheet

2275 AM/FM STEREO RECEIVER



Shown with optional WC-22 walnut cabinet.

- 75 Watts Minimum RMS per channel, at 8 Ohms, from 20 Hz to 20 kHz, with no more than 0.25% Total Harmonic Distortion.
- Phase-Lock-Loop FM Multiplex Demodulator.
- Variable Frequency Tone Control Turnover Points and Mid-Range Tone Control — separate for each channel with eleven detented positions for easily repeatable settings.
- Direct-Coupled (Full Complementary) Output Amplifiers.
- Dolby* FM ($75\mu\text{S}/25\mu\text{S}$) De-Emphasis Switch.
- Complete facilities for two Tape Recorders with the ability to “dub” from either one to the other.
- Front panel Tape Dubbing Jacks.
- Multipath/Signal Strength Meter.

*TM, Dolby Laboratories, Inc.

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2275

AM/FM STEREO RECEIVER



For over three years the Marantz 2270 was the standard by which all others compared their receivers. Today, its successor, the 2275 carries that comparison one step further. With 75 Watts minimum RMS power per channel, at 8 Ohms, from 20Hz to 20kHz, with no more than 0.25% Total Harmonic Distortion, this receiver continues the excellence of its predecessor. The 2275 boasts of a Phase-Lock-Loop FM Multiplex Demodulator to assure maximum separation with a minimum of distortion. The Multipath Indicator tells you the best position of your FM antenna. The Variable Turnover Tone Controls provide a flexibility for contouring the sound that is far superior to anything previously available. Plus, there's a unique Dolby De-emphasis Switch for use with an external adaptor — to accommodate Dolby FM broadcasts. There are complete facilities for two tape recorders with the ability to "dub" from either one to the other. And the pre-out main-in jacks permit convenient use of any external device such as an equalizer or electronic cross-over. The direct-coupled full complementary amplifier output circuitry assures crystal clear highs and solid lows. The entire package is backed up with a full three year parts, labor and performance guarantee.

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MARANTZ 3-YEAR PERFORMANCE WARRANTY

Marantz Co., Inc. guarantees to the original registered owner that all parts will be free from operating defects and that performance will be within printed specifications for three years from purchase date, except oscilloscope tubes which are guaranteed for 90 days. Product will be repaired or replaced free of charge in the sole discretion of Marantz in the country of purchase, provided it was purchased from an authorized dealer. The serial number cannot be altered or removed. Product must be serviced by authorized Marantz repair technicians only.

The following are guaranteed against manufacturing defects in material and workmanship only, for the periods listed: Speakers and cabinets, 5 years; Headphones and other accessories, 3 years.

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SPECIFICATIONS:

POWER AMPLIFIER

Minimum continuous average output per channel, all channels driven	75 Watts
Power Band	20Hz-20kHz
Total Harmonic Distortion	.25%
Load Impedance	8 Ohms
IM Distortion (S.M.P.T.E. method)	.25%
Frequency Response, High Level Input, @ 1 Watt Output	20Hz-20kHz ±.25dB
Input Sensitivity and Impedance	1.0V 100kOhms
Damping Factor	60

PRE-AMPLIFIER

PHONO SECTION:

Dynamic Range: Ratio of Input	96dB
Overload Voltage to Equivalent Noise	1.5μV
Equivalent Noise Input:	1.8mV
Sensitivity and Impedance:	47Kohms

HIGH LEVEL:

Input Sensitivity and Impedance	180mV 100Kohms
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TONE CONTROLS:

Bass: 50Hz	±15dB
Mid: 700Hz	±6dB
Treble: 15kHz	±15dB

OUTPUT LEVEL AND IMPEDANCE:

1.0V 900ohms

AM/FM TUNER

FM QUIETING SLOPE:

RF Input for 30dB Quieting:	1.9μV
Quieting at 5μV RF Input:	55dB
Quieting at 10μV RF Input:	60dB
Quieting at 50μV RF Input:	70dB

TOTAL HARMONIC DISTORTION:

MONO:	.25%
STEREO:	.35%

SELECTIVITY: ALTERNATE CARRIER

80dB

CAPTURE RATIO:

1.5dB

STEREO SEPARATION AT 1kHz:

42dB

SPURIOUS REJECTION:

100dB

IMAGE REJECTION:

100dB

IF REJECTION:

100dB

AM SUPPRESSION:

60dB

AM SENSITIVITY:

20μV

17-5/16"W x 5 3/8"H x 14 3/8"D
37.9 Pounds Unit Weight

The fire started on the first floor...

...worked its way to the second floor where my Marantz 2270 was, and finally engulfed the third floor. The floors collapsed and fell into the basement where the Marantz remained buried in debris and water until March when the wrecking company came.

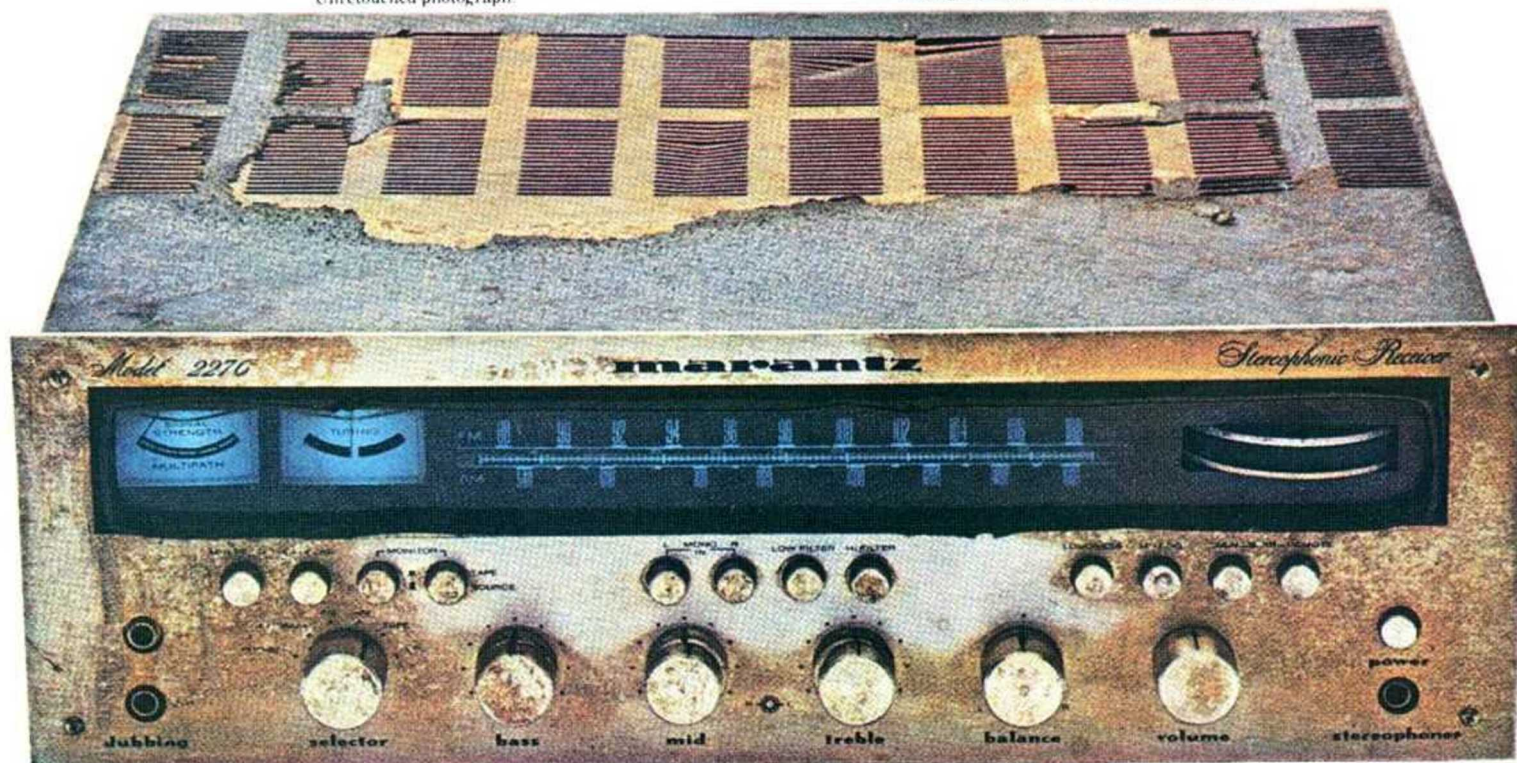
While the men were lifting the debris into trucks I noticed a piece of equipment I thought could be the Marantz. I asked the man to drop the load, and the receiver fell 20 feet to the ground.

Out of sheer curiosity, I brought the damaged receiver up to my apartment and after attaching a new line cord to it, I plugged it in. All the blue lights turned on. I connected a headphone and the FM played perfectly. I then tested it with my tape deck, and finally the turntable and speakers. They all played perfectly, too.

Francisco Espina

Francisco Espina*
Newport, Rhode Island

Unretouched photograph



Mr. Espina's Marantz 2270 receiver **still meets factory specifications.** We design all Marantz equipment to perform under extreme conditions for unmatched reliability year after year after year. Like the new Marantz 2275—even better than its incredible predecessor. See the complete line of Marantz receivers, components and speaker systems at your Marantz dealer. He's in the Yellow Pages.

Marantz. Almost indestructible.



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We sound better.

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