

Realistic STA-2100



SPECIFICATIONS

PRE-AMPLIFIER & AMPLIFIER

Minimum Audio Output Power at no more than 0.1% Total Harmonic Distortion into 8 ohms, over the audio spectrum, 20–20,000 Hz	: 120 watts (RMS power, both channels driven)
Distortion at 70 watts RMS per channel, 8 ohms, 20–20,000 Hz	: 0.04%
Frequency Response at 10 watts, +/– 2 dB	: 15–25,000 Hz
IM Distortion at 3 dB below full output	: 0.05%
Sensitivity for full output	
PHONO 1	: 2/4/8 mV
PHONO 2	: 2.2 mV
PHONO overload for .1% THD	: 230 mV
AUX	: 140 mV
TAPE IN 1, 2	: 140 mV
Tone Controls	
BASS	: +/– 10 dB at 50 Hz or 100 Hz (selectable)
TREBLE	: +/– 10 dB at 10,000 Hz or 20,000 Hz (selectable)
MID	: +/– 6 dB at 1500 Hz
High Filter	: –6 dB/octave above 10,000 Hz
Low Filter	: –12 dB/octave below 50 Hz
Signal-to-Noise Ratio	
PHONO 1, 2	: 70 dB
AUX and TAPE IN 1, 2	: 75 dB
Crosstalk (AUX)	: 60 dB
Loudness Compensation at 30 dB below full output	: 6 dB at 100 Hz
TAPE OUT 1, 2 Level	: 140 mV
TAPE OUT 1, 2 (DIN) Level	: 3.3 mV
SIZE	: 6-7/8 × 20-1/2 × 16-1/2" Hwd : (7.5 × 52.0 × 42.0 cm)
WEIGHT	: 47 Lbs. 6.4 oz. : (21.5 Kg)

FM TUNER

Sensitivity (IHF)	: 1.6 μ V (10.1 dBf)
Sensitivity for 50 dB Quieting	: 2.0 μ V (12 dBf)
Limiting Sensitivity (–3 dB)	: 1.5 μ V
Signal-to-Noise Ratio (1 mV)	: 70 dB
Image Rejection	: 80 dB
IF Rejection	: 95 dB
Capture Ratio	: 1.5 dB
Harmonic Distortion	
Mono	: 0.05%
Stereo	: 0.1%
Muting Sensitivity	: 3.0 μ V
ACA	: 75 dB
AM Suppression	: 55 dB
Stereo Separation	: 50 dB

AM TUNER

Sensitivity	
Radiated	: 200 μ V/m for 20 dB S+N/N
Terminal	: 10 μ V
Distortion (5 mV/m)	: 1.0%
Selectivity	: 40 dB
Image Rejection	: 60 dB
IF Rejection	: 56 dB
AGC Figure of Merit	: 48 dB
ACA	: 40 dB

ANTENNAS

AM: Built-in ferrite loopstick
 FM: Dipole antenna provided
 Plus terminals for external antennas.

POWER REQUIREMENTS

120 V AC, 60 Hz (600 watts max.)
 (220/240 V AC, 50 Hz for European and 240 V AC, 50 Hz for Australian models as indicated on rear of unit)

REALISTIC®

The STA-2100 was sold in 1979, and was their first over 100 watt per channel receiver. Made by Tandy Electronics in Japan, it was replaced quickly by the STA-2100D due to a lawsuit filed by Pioneer over Tandy's use of a toroidal power transformer. Even though the 2100D was pictured as having a toroidal power transformer in the 1980 catalog, it did not. Because of its transformer and being built in Japan, the 2100 is among the most sought after Realistic receivers.

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