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ULTIMATE HIGH FIDELITY STEREO COMPONENT

LUXMAN 1030

MODEL R-1030

AM/FM STEREO RECEIVER

A new receiver from LUX with optimum cost/performance ratio. An exhaustive review of current circuitry and functions in receivers has made it possible to achieve greater simplicity whilst still retaining the features indispensable to real High Fidelity. Power output 30W/ch into 8 ohms both channels driven with 0.05% total harmonic distortion.

Pre-Amp Section

Sound playback is possible from any of the FM, MW, Phono and Auxiliary terminals. A 2-stage direct coupled amp in the equalizer circuitry with PNP and NPN transistors gives good linearity and high input voltage at phono. Versatile contouring of the reproduced sound is possible with LUX's exclusive NF type tone control for bass and treble. High- and low-cut filters are useful to remove tape-hiss disc noise and turntable rumble. A loudness control offers effective tonal compensation at low-level listening.

Main Amp Section

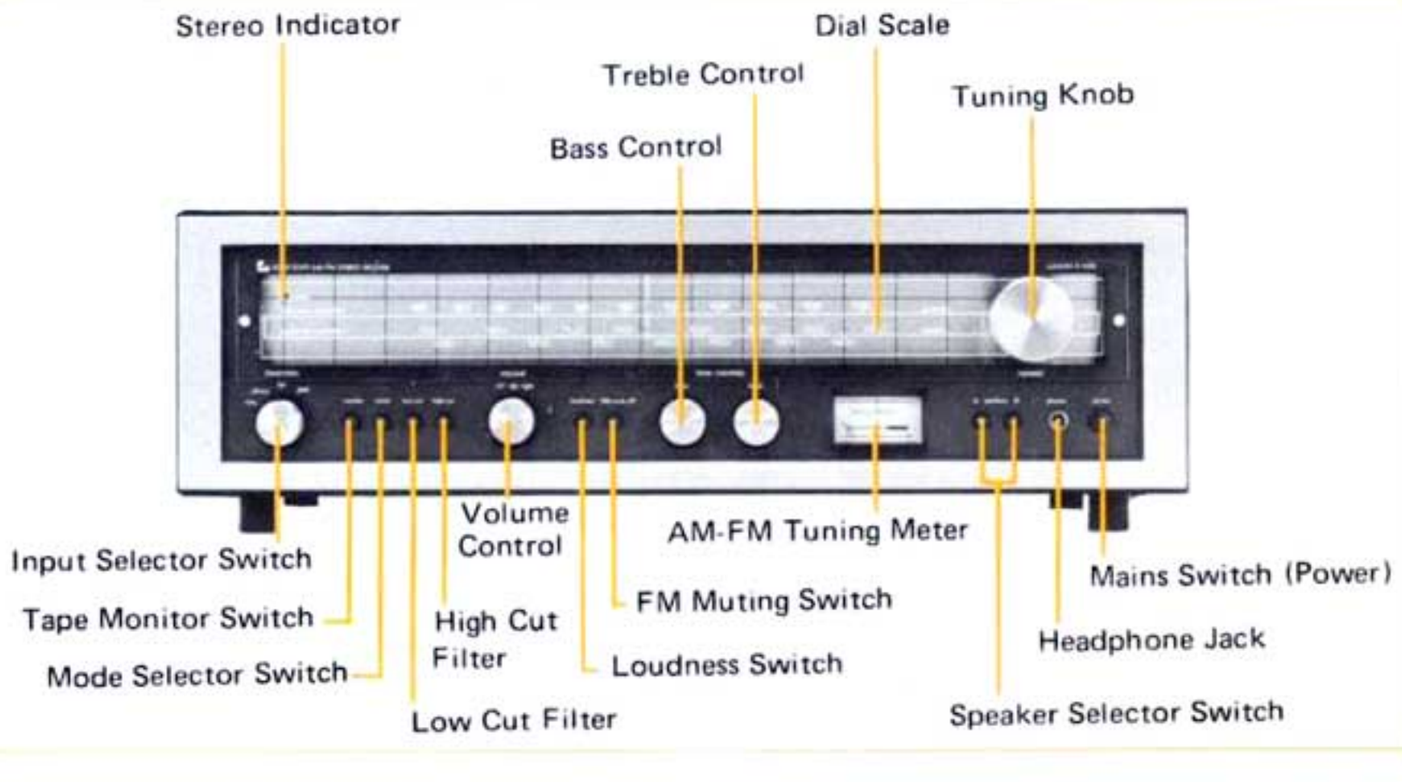
The direct coupled DC output configuration ensures the best possible bass and transient response and gives the amplifier excellent characteristics throughout. Today's almost mandatory full complementary symmetric output attains the least possible distortion, i.e. 0.05% up to 30W both channels driven into 8 ohms.

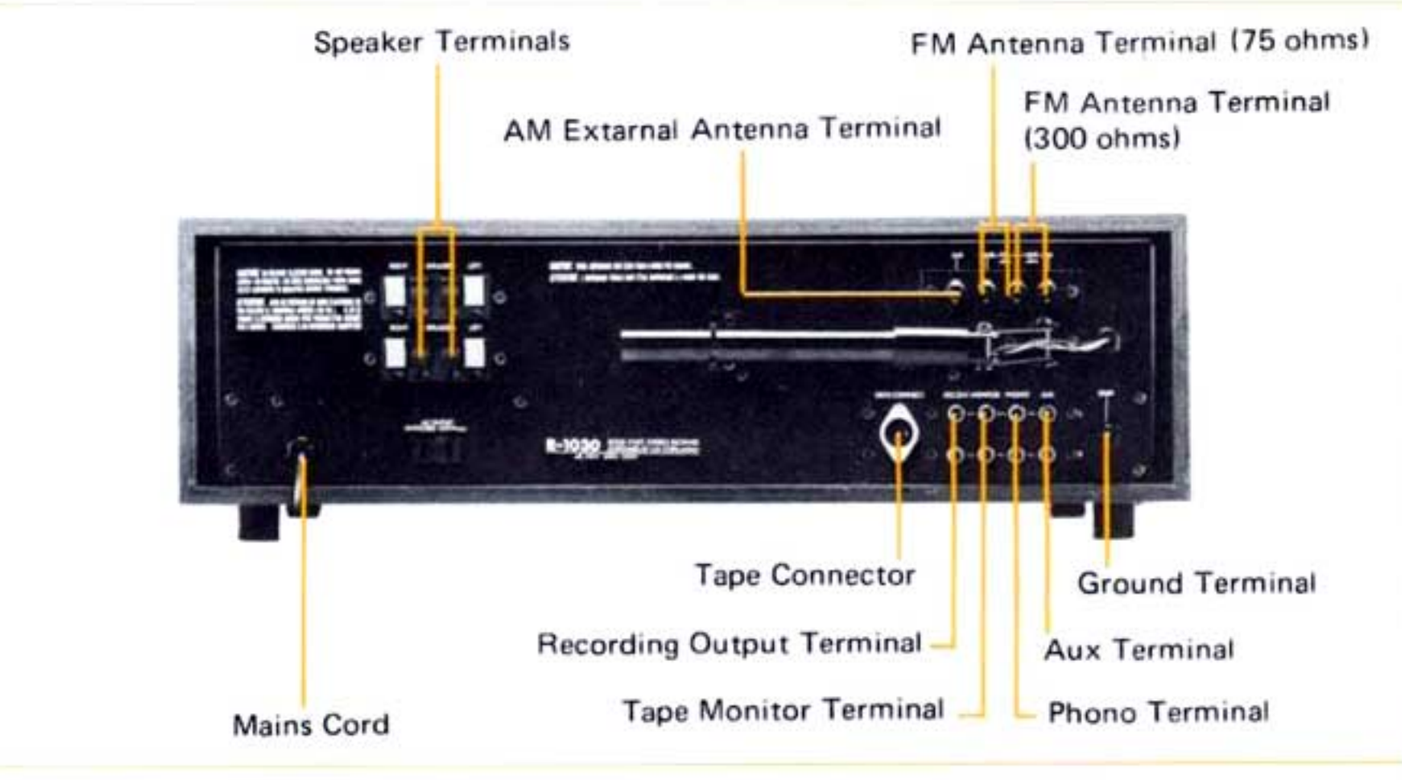
FM Section

The front end features a high grade 3-gang tuning capacitor to provide a satisfactory sensitivity at 2μV, and 2 pairs of linear phase ceramic filter ensures good bandpass response. The superb figures provided by the PLL MPX IC in respect of distortion, separation and S/N will remain constant over a long period of time.

AM Section

A newly developed IC for AM reception makes it possible to obtain high sensitivity, low distortion and strong AGC, and the adoption of a ceramic filter of good selectivity ensures clean AM broad casting without interference, thus most AM stations become far more 'listenable'.





SPECIFICATION

[AUDIO SECTION]

RMS Output Power:	30W/30W (8-ohm, both channels driven)
T.H.D.:	no more than 0.05% (8-ohm, 30W)
Rated I.M.:	no more than 0.1% (8-ohm, both ch driven, 60 : 7kHz = 4 : 1)
Frequency Response:	10Hz – 40kHz (–1dB)
Input Sensitivity:	2.5mV (phono) 150mV (aux, monitor)
Phono Overload Voltage:	no less than 100mV (r.m.s. 1kHz) no less than 280mV (p-p, 1kHz)
Signal to Noise Ratio:	better than 66dB (phono) better than 86dB (aux, monitor)
Residual Noise:	no more than 0.7mV
Damping Factor:	40 (8-ohm)
Tone Control:	Bass: ±10dB at 100Hz Treble: ±10dB at 10kHz
Filters:	High Cut . . . 7kHz (6dB/oct) Low Cut. . . . 70Hz (6dB/oct)
Crosstalk at 1kHz:	–60dB (aux, monitor)

[FM SECTION] (IEEE/IHF Standard)

	(MONO)	(STEREO)
Usable Sensitivity:	11.2dBf (2μV)	19dBf (4.8μV)
46dB Quieting Sensitivity: 50μS;	18.2dBf (4.5μV)	41dBf (60μV)
50dB Quieting Sensitivity: 75μS;	18.2dBf (4.5μV)	39.8dBf (51μV)
Signal to Noise Ratio at 65dBf:	72dB	68dB
Muting Threshold:	12.2dBf (2.3μV)	12.2dBf (2.3μV)
Frequency Response 30Hz to 15kHz:	+0, –1.5dB	+0, –1.5dB
Distortion at 65dBf: 100Hz;	0.2%	0.3%
1kHz;	0.2%	0.3%
6kHz;	0.3%	0.5%
Intermodulation Distortion:	0.2%	0.3%
Capture Ratio at 65dBf:	1.5dB	------
Alternate Channel Selectivity:	45dB	------
Spurious Response Ratio:	70dB	------
IF Response Ratio:	70dB	------
Image Response Ratio:	55dB	------
AM Suppression Ratio:	50dB	------
Stereo Separation: 100Hz;	------	45dB
1kHz;	------	45dB
10kHz;	------	40dB
SCA Rejection Ratio:	------	60dB

[AM SECTION]

Usable Sensitivity at 1MHz, 400Hz, 30% mod.:	15μV (EXT. ANT)
Signal to Noise Ratio at 1MHz, 10mV, 400Hz 30% mod.:	45dB
Image Response Ratio at 1MHz:	45dB
IF Response Ratio at 1MHz:	40dB

[GENERAL]

Power Consumption:	150W (at full power, 8-ohm) 150W (CSA rated)
Dimensions:	500(W) x 315(D) x 165(H)mm (19-11/16 x 12-13/32 x 6-1/2")
Weight:	Net 9.4kgs (20.7lbs.) Gross 11kgs (24.2lbs.)

Specifications and appearance design are subject to possible change without notice.

LUX CORPORATION, JAPAN

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