

LUXMAN

COMPACT DISC PLAYER
D-380



A traditional LUXMAN design that brings new enjoyment to CD listening

The D-380 is a digital CD player that can also play music through the vacuum tube output and which bears the number '38' – a number synonymous with the golden era of LUXMAN vacuum tube amplifiers.

This player features a vacuum tube output consisting of a buffer circuit using ECC82 vacuum tube and a dedicated transformer as well as an advanced digital circuit with a 32-bit compatible DAC and a jitter reduction IC.

The D-380 is housed in a classical wooden box and enhances the enjoyment of listening to CD's for the many fans of music played through this mature music medium.





■ Selection function between the vacuum tube output and semiconductor output

As part of the '38' series, the D-380 CD player is equipped with the function to select the output per musical taste by using a lever switch located on the front panel. The user can choose between a high purity semiconductor output that connects directly to the DAC chip or a vacuum tube output in which the buffer circuit using the ECC82 vacuum tube is connected to the high sound quality film capacitor and dedicated large output transformer. The semiconductor output supports sound with a vivid resolution and high quality source whilst the vacuum tube output brings a rich density and expression to the source with the appropriate addition of harmonic components. This switching of the tonal quality can be done even whilst a CD is playing. When the vacuum tube output is selected, the ECC82 is subtly illuminated, a rich design element that adds to the ambience.

■ Cabinet housed in a classical wooden box

The elegant exterior of the D-380 is housed in a full sized wooden box (440mm in width) with a natural veneer finish and a stylish hairlined surface on the front panel. When used together with the similarly housed LUXMAN amplifiers such as the LX-380 vacuum tube integrated amplifier, the effect is pleasing.



Natural veneer-finished case

■ Large FL display

The D-380 features a large, high quality, high visibility FL display with 4x zoom mode – a useful tool for remote operation from a listening position at distance from the system. The orange colour of the display takes into consideration the illumination environment of a listening room, whilst a dimmer (illumination switching) function can turn the display light off completely.



Zoom mode-equipped FL display

■ Dedicated aluminium cased remote control

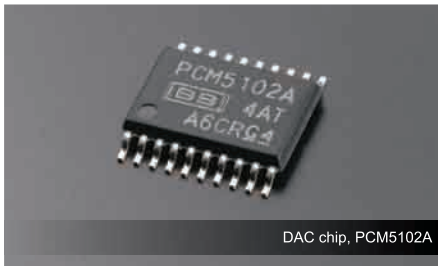
A stylish aluminium remote control is supplied with the D-380 enabling comfortable operation of the system from any listening position. The remote control allows the user to perform necessary functions such as the choice of various playback options, The articulator mode is also available by holding down the CLEAR button to refresh the sound quality by demagnetizing the output transformer of the vacuum tube circuit.



Aluminum remote control

■ The adoption of a filter embedded 32 bit DAC

The D-380 is equipped with a Texas Instruments PCM5102A DAC chip that supports 192kHz/32-bit processing and incorporates a high-grade buffer amplifier. The embedded digital filter allows 2 types of tonal quality to be selected and reproduced without issue by remote control operation.



DAC chip, PCM5102A

■ Thick aluminium mechanical base

The D-380 features a left sided mechanism layout to accommodate the ideal flow for the sound signal and power supply as proven in the D series of SACD players. A new mechanical design has resulted in an 8mm thick solid aluminium base with a loopless and shielded box chassis to provide support for the drive mechanism and stability in reading the digital signal.



Highly reliable drive mechanism

■ Longevity of design

The D-380 has been designed to be durable with sufficient margin built in for the operating voltage and the heat radiation of the vacuum tube.



Vacuum tube, ECC82

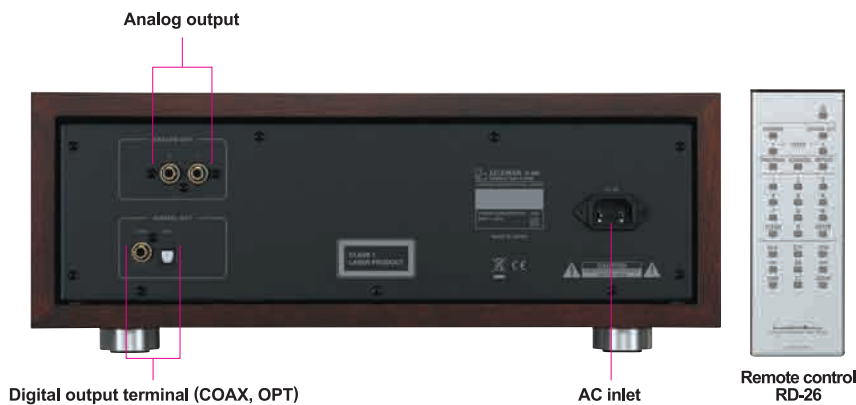
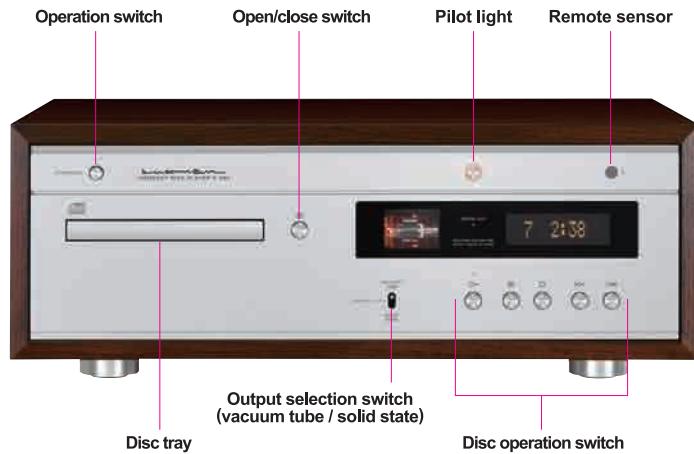
■ Dedicated IC for jitter reduction

To achieve an accurate playback of the music on a disc, not only does the clock to transfer the data need to be highly accurate, but also fluctuation on the time axis (jitter) needs to be thoroughly eliminated. To realise this, the D-380 is equipped with a dedicated jitter reduction IC to suppress distortion originating from jitter at D/A conversion and achieve the expression of high quality sound. In addition to this, the digital audio can be outputted externally via the coaxial / optical line terminals (output 'off' is also selectable by remote control operation). The option of expanding or upgrading the system in the future, such as adding a digital recorder or D/A convertor, is also available.

■ Parts selected specifically for high sound quality durability

The D-380 features an abundance of parts that have been specifically selected for their high sound quality and durability as well as proprietary custom made parts with the expected longevity for such a high-end product. The D-380 also showcases a new low height, high sound quality capacitor, OFC wires that use spiral wrap shielding on each core to enable natural signal transfer and a non-plating process on core wires for the main signal lines. The LUXMAN specific round pattern circuit board achieves smooth current transfer and signal flow. 18mm RCA gold plated terminals are specified to support high grade line cables with a large plug.

D-380 COMPACT DISC PLAYER



SPECIFICATIONS

Applicable disc	2channel CD
Analog output	Unbalanced x 1
Digital output	Coaxial x 1, Optical x 1
Output voltage	SOLID STATE: 2.1V, VACUUM TUBE: 2.4V
Output impedance	300Ω
Frequency response	SOLID STATE: 20Hz to 20kHz (+0, -0.2dB) VACUUM TUBE: 20Hz to 20kHz (+0.1, -0.3dB)
Total harmonic distortion	SOLID STATE: 0.005%, VACUUM TUBE: 0.8%
S/N ratio (IHF-A)	SOLID STATE: 115dB, VACUUM TUBE: 105dB
Vacuum tubes	ECC82×1
Power supply	230V~(50Hz) / 115V~(60Hz)
Power consumption	16W (at standby)
External dimensions	440(W) x 167(H) x 286(D) mm front side knob of 4mm and rear side terminal of 8mm included in depth
Net weight	10.8kg(main unit)



Internal configuration

Natural wood is used for the wooden case and as such the colour and pattern may vary slightly from unit to unit. Quality of the finished products are monitored with rigorous standards.

VACUUM TUBE INTEGRATED AMPLIFIER

LX-380



SPECIFICATIONS

Rated output	20W + 20W (6Ω), 18W + 18W (8Ω), 14W + 14W (4Ω)
Input sensitivity/ input impedance (PRE OUT :1V)	PHONO (MM): 3.0mV/47kΩ PHONO (MC): 0.38mV/100Ω LINE: 180mV/47kΩ MAIN-IN: 690mV/100kΩ
Output voltage	RECOUT: 180mV, PRE OUT: 1V
Frequency response	PHONO: 20Hz to 20kHz (±0.5dB) LINE: 20Hz to 80kHz (+0, -3.0dB)
Total harmonic distortion	1% or less (6Ω, 1kHz)
S/N ratio (IHF-A)	PHONO (MM): 84dB or more PHONO (MC): 67dB or more LINE: 95dB or more
Volume adjustment	LECUA

Circuit	Driver: Mullard, Output: Beam tetrode connection
Vacuum tubes	6L6GC×4, ECC82×3
Output configuration	Push-pull
Max. amount of tone control	±8dB, turnover frequency switch-over system BASS: 150 / 300 / 600Hz TREBLE: 1.5k / 3k / 6kHz
Power supply	230V~(50Hz) / 115V~(60Hz)
Power consumption	127W
External dimensions	440(W) x 197(H) x 403(D) mm front side knob of 25mm and rear side terminal of 28mm included in depth
Net weight	17.6kg (main unit)
Accessories	Remote controller (RA-25) Power cable

BELT DRIVE ANALOG PLAYER

PD-171A



* This product is supplied with a dust cover.
** No cartridge is included.

SPECIFICATIONS

■ Turntable	
Drive system	Belt drive system
Motor	Reaction and AC synchronous motor Motor power supply: Quartz oscillation amplifier
Material	Machined aluminium plate, Surface finish: Diamond cut
Rotation speed	33 1/3 rpm, 45 rpm switch type, Rotation speed adjustment: ±5 %
Wow and flutter	0.04 % or less (W.R.M.S)
Weight	5.0 kg (platter)

■ Tone arm	
Format	Static balance, S-type
Bearing	One point cross suspension
Effective length	229 mm
Overhang	15 mm, tracking error: +1.9° to -1.1°
Applicable cartridge weight	4 to 12 g (17 to 25 g headshell included)
Adjustable height range	38 to 60 mm
Anti-skating	0 to 3 g
■ Main unit	
Power supply	230V~(50Hz) / 115V~(60Hz)
Power consumption	38W
External dimensions	492(W) x 140(up to top surface of turntable) 195(at dust cover in use) (H) x 407(10 mm of rear fittings included) (D) mm
Net weight	25.4 kg(main unit)

* The described company names and product names are trademarks or registered trademarks of each company.

* Specifications and appearance are subject to change without notice. * The products listed in this catalog do not include line cables. Please purchase cables separately.

LUXMAN

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Safety Cautions

To ensure correct use of this product, read the "Owner's Manual" prior to use. Failure to follow all safeguards can result in fire, electric shock, or other accidents.

