

TANDBERG



The CD Player for the experienced listeners

Before we decided to enter the CD player market, certain qualities had to be fulfilled. Only in 1986 is the advanced technology available, and is further

extended by Tandberg, the superior leader of the revolutionary zero feedback technology.

TCP 3015 A Compact Disc Player



16 bit 4 times oversampling

Tandberg is using 16 bit resolution at a sampling frequency of 176.4 kHz instead of the standard

44.1 kHz. This implies that the unwanted supersonic frequency components are placed 4 times longer away

from the audio signal than usual, and thereby less audible.

Flat phase response

By using a combination of digital filtering, oversampling and a phase

linear analogue filter, it has been possible to realize flat phase response. This results

in remarkable reproduction of transients.

Component selection

Audiostages are all discrete and comprised exclusively of polypropylene capacitors

and high precision metal film resistors.

The shortest path from Digital to Analogue

The signal path, from the output of the D/A-converter to the gold output sockets, is the cleanest possible. It is totally direct-coupled, with total absence of series

or coupling capacitors. All equalization and the digitally-controlled deemphasis is done with passive filter techniques. As a result we have ensured

that no information is lost in the critical conversion from the digital to the analogue world.

Zero Negative Feedback

All stages are designed without using negative feedback loops, with analogue stages having equal or lower distortion than traditional feedback designs,

which reduces signal capacity drastically. Experienced listeners are very aware of it.

By using special circuit topology, and components with quality and tolerances never used in regular produced products, we have managed total elimination of negative feedback loops.

Separate Headphone amplifier

Separate headphone amplifier utilizing zero negative feedback and feedforward error correction

design, with its own independent volume control.

Full programmability

Programming of random playback sequence of the tracks of a loaded disc is possible. By engaging the

repeat function the selected sequence will be repeated.

Reviewing of the program ensures easy operation and modification of the sequence.

Wireless Remote Control for all functions

Remote controlled functions include all play, forward, backward and stop functions. Programming of

playback sequence and repeating is also possible.

The commands are transmitted by infrared light.

Keep the signal capacity

By using Tandberg Matched Audio Transmission cables, you assure that the high

performance is transferred to your system with the least degradation.

Technical Data

Tandberg Compact
Disc Player 3015A

Power requirements:	115/230 V \pm 10%, 50/60 Hz
Power consumption:	30 W
Safety requirements:	IEC
Dimensions:	Width 17 1/8" (43.6 cm) Depth 13 3/4" (35.0 cm) Height 3 1/2" (8.9 cm) Weight 12.5 lbs (5.7 kg)
Frequency range:	2 - 20,000 Hz, \pm 0.3 dB
Dynamic range:	96 dB
Signal-to-Noise ratio:	100 dB
Channel separation:	94 dB (at 1000 Hz)
Total harmonic distortion:	0.008% (at 1000 Hz)
Wow and flutter:	Quartz crystal precision
D/A conversion:	16 bit oversampling frequency 176,4 kHz with digital filter and two D/A converters
Error correction system:	Cross Interleaved Reed Solomon Code (CIRC)
Audio output level:	2 V rms
Optical Readout System	
Laser:	Semi-conductor AlGaAs
Wave length:	800 nm
Signal Format:	
Sampling frequency:	44.1 kHz
Quantization:	16 bit linear/channel

Specifications are subject to change for further improvement without notice.

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