

**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

<b>Power requirements:</b>	115/230 V $\pm$ 10%, 50/60 Hz
<b>Power consumption:</b>	30 W
<b>Safety requirements:</b>	IEC
<b>Dimensions:</b>	Width 17 1/8" (43.5 cm) Depth 13 3/4" (35.0 cm) Height 3 1/2" (8.9 cm) Weight 12.5 lbs (5.7 kg)
<b>Frequency range:</b>	2 – 20,000 Hz, $\pm$ 0.3 dB
<b>Dynamic range:</b>	96 dB
<b>Signal-to-Noise ratio:</b>	100 dB
<b>Channel separation:</b>	94 dB (at 1000 Hz)
<b>Total harmonic distortion:</b>	0.008% (at 1000 Hz)
<b>Wow and flutter:</b>	Quartz crystal precision
<b>D/A conversion:</b>	16 bit oversampling frequency 176,4 kHz with digital filter and two D/A converters
<b>Error correction system:</b>	Cross Interleaved Reed Solomon Code (CIRC)
<b>Audio output level:</b>	2 V rms
<b>Optical Readout System</b>	
<b>Laser:</b>	Semi-conductor AlGaAs
<b>Wave length:</b>	800 nm
<b>Signal Format:</b>	
<b>Sampling frequency:</b>	44.1 kHz
<b>Quantization:</b>	16 bit linear/channel

Specifications are subject to change for further improvement without notice.

### YOUR AUTHORIZED TANDBERG REPRESENTATIVE:

**SUBSIDIARY:**  
Tandberg of America, Inc.  
1 Labriola Court  
Armonk  
N.Y. 10504  
U.S.A.  
  
Telephone  
(914) 273 - 9150

### HEADQUARTER:

Tandberg Audio A.s  
Fetveien 1  
Kjeller – Norway  
  
Postal address  
P.O. Box 49  
N-2007 Kjeller  
Norway  
  
Telephone  
(472) 71 58 61  
Telex  
71886 tand n  
Cables  
TANRA-OSLO

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