

DENON

CAR
COMPONENT
CATALOG

Featuring DCT-Z1

AL24 Processing Plus



That's right, DENON. A name best known for creating the finest high-performance home audio, is taking it to the streets! For nearly 100 years, DENON has been the company behind products that are changing the way we enjoy music and movies in our homes. Over the years, one constant has remained. At DENON it's always been about the music. Reproduction of the live music experience as the artist intended it, with all the impact passion and energy of the original. DENON is the name you have grown accustomed to seeing on the face of acclaimed DVD players and home audio/video receivers. A few years ago, DENON introduced some startling new technology, called ALPHA 24 Processing. It began as the code name, "5000X", a reference number still used in several now-famous DENON DVD Players. Essentially the ALPHA 24 receives the original analog signal, converts it to digital, and then, this small rounded-down signal is accurately reproduced and returned to a high-performance 24-bit D to A Converter. What does this mean to the human ear? The ALPHA 24 Processor effectively reduces distortion to an inaudible level. The noise is gone. Only the music remains.

DCT-Z1•DCT-R1•DCH-470



STEREO CD TUNER/CD CHANGER CONTROLLER

DCT-Z1

AL24 Processing Plus

A.S.L.C

ADVANCED SUPER LINER MULTIPLE 24-BIT D/A CONVERTER

The DENON DCT-Z1 is a world class CD Tuner. Designed by DENON engineers to send the signal cleanly through to the amplifier, with all parts in the signal path carefully selected. But how does it sound? The new DENON DCT-Z1, with the world's first mobile audio ALPHA 24 Plus™ processor, is a CD Tuner actually capable of DVD-Quality Sound. The DENON Z1, with ALPHA 24 Plus, will reproduce music with a sampling frequency of 192kHz. This is a level equal to high-performance DVD players. This is a level essentially 4x greater than the standard sampling frequency offered by other car CD Tuners.



AL24 Processing Plus



Advanced Multi 24 bit D/A Converter

FEATURES:

Proprietary Custom Designed Denon AL24 Processing Plus Circuit.

Proprietary Multi-24bit D/A Converter.

RCA Pre Outs(4V) supported by high-speed Burr Brown Line Amps for outstanding sound quality and low distortion.

Copper plated chassis protects the Z1 from outside radio frequency interference.

Balanced Transmission System with a locking plug to assure reliable connection and eliminate noise.

Six Pure Silver(99.999%Av) input and output cables, with Dnon original metal pin jacks block out noise.

Optional White or Orange Red Illumination with automatic dimming.

24 FM and 12 AM radio presets.

Switchable analog/digital Auxiliary input with adjustable analog volume for perfect source loudness matching.

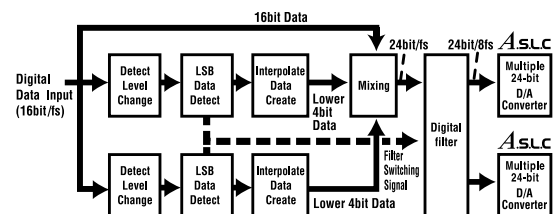
115db Signal to Noise Ratio on CD's.

Coaxial digital input.

Defeatable Tone Controls.

12/24hr. Quarts Clock.

Proprietary Denon-designed CD transport.



AL24 Processing Plus Block Diagram



Balanced Output and Digital Input Terminal



Hard Frame for European Car (Enclosed)



DENON Original Pure Silver Cable and Metal RCA Plug

RECEIVER



DENON DCT-R1

Introducing the DENON DCT-R1 CD Receiver/Controller. The R1 is built in the image of the Z1, with a black machined aluminum faceplate, and oversized volume knob. The R1 is 4-channel powered, with a maximum rating of 25Wx4 at 4 Ω. The R1 is also a Changer-Controller, ideally suited to command the DENON DCH-470 12-disc CD Changer. DENON engineers were careful to include several high-performance features, like proprietary high-speed line amps. An 8x oversampling rate digital filter and noise shaper assures quality sound reproduction, with the help of a 1-bit D to A converter.

Additional Standard Features of the DENON DCT-R1:

Aluminum high quality front panel with Titanium Gray Color finish just like the legendary DCT-Z1. *

Copper plated chassis for higher sound quality. Suppress the magnetic and high frequency noise efficiently. *

High Level Dual Pre Outs, Front & Rear.

Analog Auxiliary Input with adjustable level to match source volume.

Compatible with 8cm minidiscs.

12/24hr.-Quartz Clock with Dual Illumination (green or orange) Backlighting

36 Station Preset Capability.

OFC RCA Cable.

* DCT-R1-S ONLY

CD AUTO CHANGER



DENON DCH-470

Remember, at DENON, it's all about the music. Our engineers believe that a system requires quality parts and materials throughout to provide high-performance. DENON has developed the perfect match in a 12-disc Changer for either the DCT-Z1 or DCT-R1. The DCH-470 is a Changer designed expressly for use with DENON tuner and receivers.

SPECIFICATION

•FM/AM CD PLAYER

MODEL NAME	DCT-Z1	DCT-R1	DCH-470
CATEGORY	CD TUNER	CD RECIEVER	CD CHANGER
CD PLAYER FUNCTIONS/SPECS			
Frequency Response	5~20kHz, +/-1dB	5~20kHz, +/- 1dB	5~20kHz, +/- 1dB
Dynamic Range	110dB	90dB	93dB
S/N Ratio (IHF-A)	115dB	100dB	96dB
Harmonic Distortion	0.004%	0.008%	
TUNER FUNCTIONS/SPECS			
Sensitivity(75Ω)	14.8dBf 1.5μV	14.8dBf 1.5μV	
50dB Quieting Sensitivity (75Ω)	20.3dBf 2.8μV	20.3dBf 2.8μV	
Selectable Range (Alt. Channel)	100dB	100dB	
S/N Ratio (IHF-A)	70dB	70dB	
Capture Ratio	2.5dB	2.5dB	
AM TUNER FUNCTIONS/SPECS			
Sensitivity	30μV	30μV	
AUDIO			
Balanced Output Voltage	8V		
RCA Pre Output Voltage	4V	3V	1V
Power Amp, Max Output		25W x 4 at 4Ω	
Tone Control			
Bass	+/- 12dB(100Hz)	+/- 12dB(100Hz)	
Treble	+/- 12dB(10kHz)	+/- 12dB(10kHz)	
AUX			
Analog AUX-Input	0.5~2.0V	0.55~2.3V	
Analog AUX-Input Impedance	30kΩ	30kΩ	
Digital AUX Input	COAXIAL		
OTHER FUNCTIONS			
Power Supply Voltage	DC 14.4V(11~16V)	DC 14.4V(11~16V)	
Grounding	Negative Grounding Connection	Negative Grounding Connection	
Selectable Front Panel Illumination	White/OrangeRed	Green/Orange	
Front-Panel Color	Titanium	Titanium/Black	
RCA Cable	Pure Silver	OFC(oxygen free cable)	
DIMENSIONS			
Front Face & Body	7.12"(178mm)Wx 2.0"(50mm)Hx6.52"(163mm)D	7.12"(178mm)Wx 2.0"(50mm)Hx6.52"(163mm)D	10.9"(274mm)Wx 3"(75mm)Hx 7.12"(178mm)D
Weight	3.74lbs(1.7kg)	3.74lbs(1.7kg)	4.45lbs(2.0kg)

OPTION

The Features of the Balanced Cable

- The ferrite core noise filter is placed so that the radiated high frequency noise from outside to the cable is reduced right before the amplifier.
- This 6 m cable uses OFC cable and features aluminum foil shield that has the effect on the outside magnetic noise.

BALANCED CABLE

AK-191

This cable interconnects head units with 8-pin modular type balanced output and amplifier with 8-pin modular type balanced input.

AK-192

This cable interconnects head units with 8-pin modular type balanced output and amplifier with 6-pin mini DIN type balanced input.



AK-191

AK-192

YOUR DEALER