

LaserActive

Interactive Entertainment



This electronic encyclopedia is quite different from traditional printed encyclopedias in that it contains not only text and graphics, but also video, animation and audio. Given this new educational medium, a few words of explanation will help you understand its capabilities.

DIRECTORY

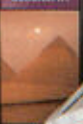
ARCHAEOLOGY



WARS



GEOGRAPHY



WILD LIFE



METEOROLOGY



SCIENCE



ENERGY 0.882.000

02.10.2112 DATE



Address Book
BioChip - Mapping
BioChip - Pegasus
Oxygen Tank

ENERGY CHARGE LEVEL

0.000.000.000.000

WAKE UP

ENERGY DRAINING BEAM

INACTIVE

TRACER SHOT

TRACTOR BEAM

ARMED

AUTO PILOT TRACKING

LAUNCH TUBE READY

LOCKED ON



Games
Education
Electronic
Publishing
Karaoke
Movies
Music



PIONEER
The Art of Entertainment

Pioneer LaserActive IS...



**A new interactive
home-entertainment system
that will keep you on the
edge of your seat.**



LaserActive brings you the best of all entertainment worlds. From full-motion interactive video games and educational software, to high-fidelity Laser Disc (LD) movies, Compact Discs and exciting Karaoke fun — all in a single multi-entertainment system that lets you become the master of your own digital destiny.

interactive game action...



Space Adventure



Interactive Movie



Action Game

LaserActive puts you in command of highly sophisticated video games like the ones available at arcades and amusement centers — right at home! Enjoy theater-quality pictures and impressive surround sound for full interactive realism that goes beyond the conventional video game.

interactive educational software & electronic publishing...



Language



Encyclopedia



History

LaserActive makes learning fun and exciting. Interact with real characters in various settings or explore the great wonders of the world via electronic publishing, all in the comfort of your own home.

Laser Karaoke sing-along...



Broadway Hits



Country Hits



Rock Hits

Whether you sing along with your favorite recording artist or sing solo, **LaserActive** puts you on center stage. Choose from hundreds of hit selections from the 50s to the 90s and become the star of your own show.

and home theater entertainment.



Sit back and enjoy a hit movie or concert in your favorite theater setting — your own living room! Like a standard Laser Disc player, *LaserActive's* main unit (CLD-A100) plays all conventional discs from CD, CDV to LD, with rich soundscapes and high-resolution picture 60% sharper than VHS.

LaserActive

The brains behind it all.

From the outset in the early 70s, Pioneer has done more than simply pursue the history of video disc technology — we helped make history. Having ushered in the Laser Age back in 1980 with our first home Laser Disc player, Pioneer has since introduced the combination CD/CDV/LD and Laser Karaoke players. Now, Pioneer makes history again with *LaserActive* — a new interactive medium that will revolutionize home entertainment.

LaserActive brings a new dimension to Laser Disc technology by combining sharp picture quality and high-fidelity sound with advanced interactive flexibility. It allows you to enjoy a new experience in user-participation entertainment.

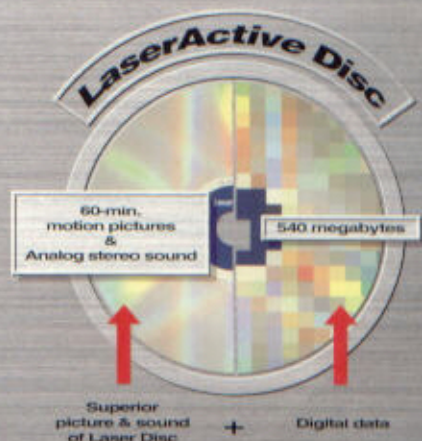
Here's how this exciting new technology works: on a single *LaserActive* disc, data is separated into two areas. One is assigned digital data (max. 540 megabytes), the format used for CD-ROM discs, which is reserved for application programs with digital image and sound. The other is assigned analog data such as motion pictures and analog stereo sound of Laser Discs. This means that *LaserActive* offers all of the advantages of CD-ROM in addition to the superior picture and high-quality sound of Laser Disc. In terms of natural still pictures, CD-ROM can store a maximum 7,000 pictures without sound. *LaserActive*, on the other hand, offers this plus an additional 108,000 natural still pictures with analog stereo sound.

LaserActive's most outstanding feature is its capability to fuse hi-fi quality analog images (still or motion pictures) with digital images from the digital memory. In addition, *LaserActive* lets you play "SEGA-CD" and "Super CD-ROM² (or CD-ROM²)" for even greater versatility. This combination makes it possible to enjoy interactivity to the fullest.

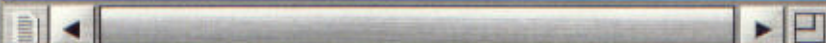
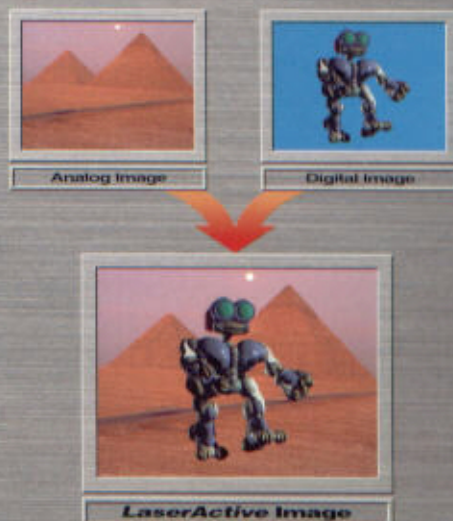
LaserActive — a new interactive entertainment medium



LaserActive's enormous data storage capacity



LaserActive merges digital and analog images



A versatile player that plays them all.



LaserActive hardware consists of the main unit plus your choice of one or more optional control packs. The CLD-A100 unit alone, as a standard CD/CDV/LD player, allows you to play conventional CDs, CDVs and Laser Discs.

When you add either the "Mega-LD" or "LD-ROM2" control pack, you get instant access to five additional software formats. Add the Karaoke pack and you can hold a sing-along party at home. What's more, disc operation and programmable selections can be controlled via an easy-to-use remote controller.

CLD-A100 Key Features

- 5-disc capability (all conventional CD, CDV and LD discs)
- Independent CD tray for quick CD loading and play
- High-quality 425-line horizontal picture resolution
- High-quality digital sound
- 8-bit digital field memory
- Programmed play of 24 chapters and tracks*
- Random play of CD/CDV tracks and LD chapters*
- 5-mode repeat: 2-point, chapter/track, one-side, memory, program*
- 10-key direct chapter/track search and play
- SR remote control with 10 keys and power on/off

*Available only with PAC-S10 or PAC-N10 control pack.

CLD-A100 Compatible Laser Disc Player

Add a control pack and control the action.



With the **PAC-S10** pack, developed in cooperation with **SEGA ENTERPRISES**, you can play 8- and 12-inch **LaserActive** "MEGA-LD" discs, plus "SEGA-CD" discs, SEGA's "GENESIS ROM" cartridges, and standard CD-G discs.

Extension cable (ETC-S1) is optionally available. For dual-player mode, ask for an additional control pad (CDP-S1).

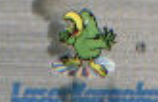
PAC-S10 "MEGA-LD" Pack



The **PAC-N10** pack, developed in cooperation with **NEC HOME ELECTRONICS**, allows you to play 8- and 12-inch **LaserActive** "LD-ROM2" discs, as well as "Super CD-ROM2 (or CD-ROM2)" discs, ROM cards (TurboChip) and standard CD-G discs.

Extension cable (ETC-N1) is optionally available. For dual or multiple player mode, see your nearest NEC dealer for optional control tap (DUO-TAP-01) and control pad (DUO-PAD-01).

PAC-N10 "LD-ROM2" Pack



The **Karaoke Pack PAC-K1** provides full compatibility with all **Pioneer Laser Karaoke** discs, so you can enjoy the fun and excitement of singing live at home.

● 11-step digital key control ● Digital echo ● One-touch Karaoke ● Surround (3 modes) ● Once-more function ● Audio modes: stereo, MPX and hi-fi MPX ● MPX balance ● 24-track programming
Picture shown with optional microphone. Optional microphones (DM-V151/V151) are available.

PAC-K1 Karaoke Pack

LaserActive Software



PYRAMID PATROL

Navigate your futuristic space fighter over the surface of Mars and through complex passages within a pyramid as you try to outmaneuver and outshoot the evil forces pursuing you. You've only your fighter's shield to protect you from enemy blasts and numerous hidden traps through eight fast-action rounds. Features high-quality 3D computer graphics with fluid-motion images.

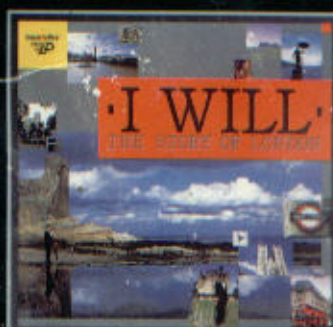
Mega-LD © 1993 TAITO CORP.



THE GREAT PYRAMID

A moving visual encyclopedia that comprehensively covers 4,000 years of ancient Egyptian history. You can select from main themes like "Pyramids," "Pharaohs," "Gods," and "Mysteries," then delve into their various sub-themes. Includes detailed chronological data and maps. Combines digital data with analog resources that allows the user to interact with high volumes of visual references.

Mega-LD © 1993 Pioneer LDC, Inc.



I WILL

With London as the backdrop, you set out with your trusted colleague Catherine to recover Professor Ozona's stolen invention and catch the perpetrator. Traveling by car, you must unravel the mystery through helpful hints and evidence that surface along the way. Features actual film footage of sites with dialog selectable in either English or Japanese.

Mega-LD © Pioneer Electronic Corporation 1993.
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QUIZ ECONOSAURUS

From the motif of the ecological comic strip "In the days of the Econosaurus" (by Ryo Honda) comes this interactive quiz game featuring animated sequences and awe-inspiring nature scenes focusing on global environmental preservation. Capturing much of the original comic's flavor, QUIZ ECONOSAURUS makes learning about environmental issues fun.

LD-ROM © 1993 HUDSON SOFT. © 1993 RYO HONDA/H ASSOCIATES, INC.

Coming Soon !



HI-ROLLER BATTLE

Mega-LD
© Pioneer Electronic Corporation, © CRC Research Institute, Inc.



MANHATTAN REQUIEM

LD-ROM
© 1987, 1993
RIVERHILL SOFT INC.



VAJRA

LD-ROM
© Pioneer Electronic Corporation 1993.
© DATAWEST, Inc. 1993.
© DAPS CENTER, Inc. 1993.



SPACE BERSERKER

Mega-LD
© Pioneer Electronic Corporation 1993.
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CLD-A100: Features and Specifications

Key Features

- Compatible Laser Disc player • 5-disc capability: plays all conventional CD, CDV and LD discs • Direct CD play with independent CD tray
- 425-line horizontal resolution • Optical digital output • Compu PGM edit* • Auto program edit* • 24-step chapter/track programmed play*
- 9-step multispeed play* • Still/step play* • Random play (CD/CDV tracks, TOC-coded LD)* • 5-repeat play (2-point, chapter/track, one-side, memory & program)* • 8-bit digital field memory • 10-key direct chapter/track search • Frame search (CAV LDs) • Time search (CLV LDs)
- Track/time search (CD/CDVs) • SR terminal • Contents calendar
- Headphone jack with volume control • Remote control with 10 keys

*Available only with PAC-S10 or PAC-N10 control pack.

Compatible Laser Discs (max. capacity, single sided)

- 3-inch CD: 20 min. digital stereo sound • 5-inch CD: 74 min. digital stereo sound • 5-inch CDV: 20 min. digital stereo sound & 5 min. motion pictures with digital stereo sound • 8-inch CLV: 20 min. motion pictures with analog and/or digital sound • 8-inch CAV: 14 min. motion pictures with analog and/or digital sound • 12-inch CLV: 60 min. motion pictures with analog and/or digital sound • 12-inch CAV: 30 min. motion pictures with analog and/or digital sound

Compatible LaserActive Discs (max. capacity, single sided)

- 12-inch CLV: 540MB (digital pictures, sound or program) & 60 min. motion picture with analog stereo sound • 12-inch CAV: 270MB (digital pictures, sound or program) & 30 min. motion picture with analog stereo sound • 8-inch CLV: 180MB (digital pictures, sound or program) & 20 min. motion picture with analog stereo sound • 8-inch CAV: 135MB (digital pictures, sound or program) & 14 min. motion picture with analog stereo sound

Audio/Video Characteristics

- Analog and digital sound (2-ch) • Computer sound** • Digital pictures**
- Motion pictures: Natural motion pictures (max. 60 minutes in 12-inch CLV) • Still pictures: Natural still pictures (max. 108,000 frames in 12-inch CLV) • Video output: Composite video output x 2 (one connects RF modulator) • Audio output: [Analog] Stereo x 2, Mono x 1 (for RF modulator); [Digital] Optical output

**When control pack is inserted.

Inputs/Outputs

- SR in/out terminal: Pioneer SR (System Remote) compatible
- VHF adaptor output: For connecting RF modulator JA-RF3L (optional)
- Headphone jack: For stereophonic output with volume

Specifications

- Horizontal resolution: 425 lines • Frequency response: 4 — 20,000Hz
- Wow and flutter: Unmeasurable (0.001% weighted peak or less)
- Power requirements: AC 120V, 60Hz • Power consumption: 47W
- Dimensions (W x H x D): 420 x 145 x 390.5mm (16-9/16 x 5-11/16 x 15-3/8 in.) • Weight: 7.8kg (17 lbs. 3 oz.) (without package)



LaserDisc LaserActive

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These certify compatibility with other optical video products bearing the mark.



This indicates compatibility with Pioneer system remote control.

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PIONEER
The Art of Entertainment

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Ask your Pioneer dealer for details: