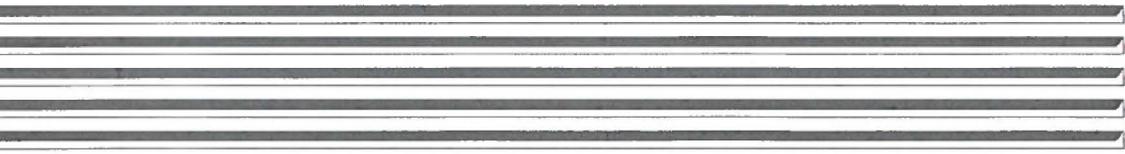
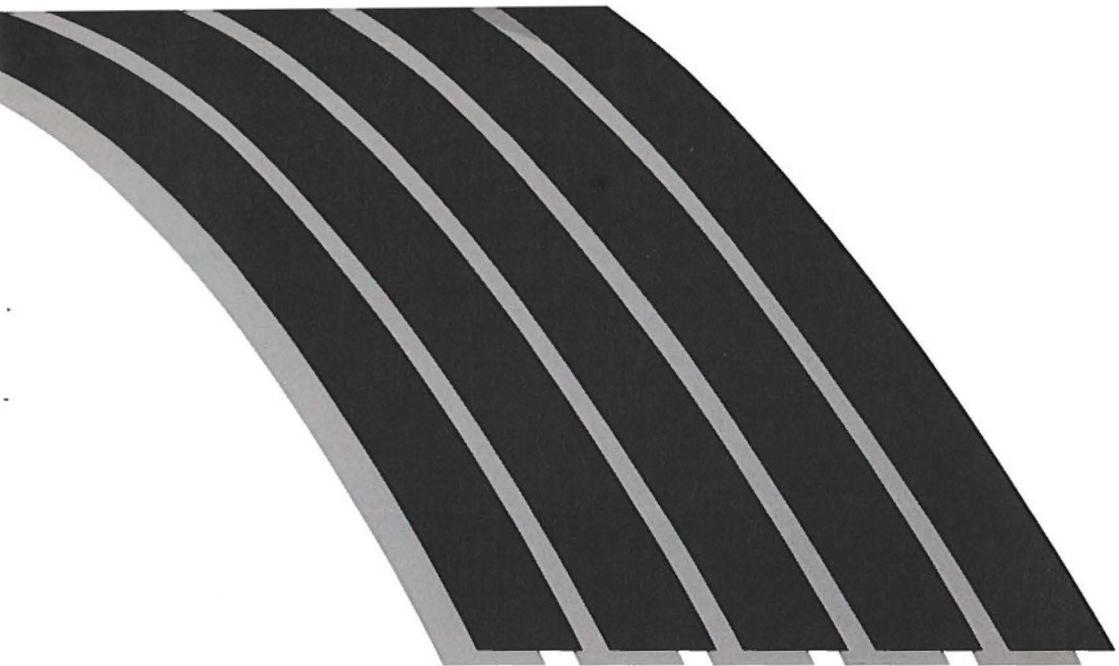




*Introducing The
Commodore® CDTV™/P*



C[®] Commodore[®]



*Introducing The
Commodore® CDTV™/P*



 Commodore®

FIRST PRINTING NOVEMBER 1991

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FCC USER'S MANUAL STATEMENT

This device complies with Part 15 of the FCC rules and Standard C108.8-M1983 of the Canadian Standards Association's Regulations. Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation. If you suspect this device is causing interference, you can test this device by turning it off and on. If this equipment does cause interference, the user is encouraged to correct inference by one of the following means:

- Reorient the receiving antenna or AC plug.
- Change the relative positions of the computer with respect to the receiver.
- Plug the computer into a different outlet so the computer and receiver are in different branch circuits.

CAUTION: Only peripherals with shielded-ground cables (computer, input-outlet devices, terminals, printers, etc.), certified to comply with Class B limits can be attached to this device. Operation with non-certified equipment may result in communications interference. Changes or modifications to this device not expressly approved by the party responsible for the compliance could void the user's authority to operate the equipment.

Your house AC wall receptacle must be three-pronged type [AC ground]. If it is not, contact an electrician to install the proper receptacle. If a multi-connector box is used to connect the computer and peripherals to AC, the ground must be common to all units.

If necessary, the user should consult the dealer or an experienced radio-television technician for additional suggestions. The user may find the following booklet helpful prepared by the Federal Communication Commission: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the U.S Government Printing Office, Washington, D.C. 20402, stock no. 004-000-00345-4.

WARNING

Installation information in this document is for reference only. All installation of internal optional devices or equipment, including third-party optional devices or equipment, must be performed by an authorized Commodore dealer/service center. Also, all servicing or upgrading of original or optional devices or equipment, including third-party optional devices or equipment, must be performed by an authorized Commodore dealer/service center. **UNAUTHORIZED INSTALLATION OR SERVICING WILL VOID YOUR WARRANTIES.**

Contents

1. INTRODUCTION	1-1
What is the CDTV/P?	1-1
What You Get in the CDTV/P Box	1-2
Types of Software Available for your CDTV/P	1-4
Using the Documentation Supplied With Your CDTV/P	1-4
2. SETTING UP YOUR CDTV/P SYSTEM	2-1
Jump Starting Your CDTV/P	2-1
Setting Up Your CDTV/P	2-3
Setting Up the Mouse and Remote Control	2-4
Connecting the Display Device	2-5
Connecting a Monitor	2-5
Connecting a Television Set	2-6
Audio Connections	2-7
3. GETTING STARTED	3-1
Turning On the CDTV/P System	3-1
About the Mouse and Remote Control	3-3
Using the Mouse	3-5
The Preferences Screen	3-6
Running a CDTV/P Application	3-9
If You Have a Problem	3-11
4. USING THE CDTV/P AS A CD PLAYER	4-1
CDTV/P CD Audio Control Screen	4-1
5. USING THE CDTV/P AS AN AMIGA 500 COMPUTER	5-1
Connecting the Keyboard	5-1
Using the Keyboard	5-2
Connecting the CD 1411 Floppy Disk Drive	5-2
Using the Floppy Disk Drive	5-3
6. EXPANDING THE CDTV/P	6-1
APPENDIX A	A-1
Cleaning the Mouse	A-1

1. Introduction

What Is the CDTV™/P?

Years of effort in the professional, education and consumer markets have culminated in the development of the Commodore® CDTV/P, the first major step in the integration of the computer and video worlds. The CDTV/P is a new digital product capable of playing disks associated with CD-ROM technology. CD-ROM disks offer huge information storage capacity — over 250,00 pages (almost 700 million bytes) per disk, and the CDTV/P gives you the ability to access that storage capacity quickly and easily.

With the CDTV/P's sophisticated multimedia capabilities, you have the power to interact with and manipulate extremely large amounts of audio, graphic, computer and video information. These capabilities make the CDTV/P ideally suited for training courseware and presentations delivery. Yet the CDTV/P is easy to use, functioning much like a standard remote-controlled CD player.

Using the keyboard, mouse and floppy disk drive, the CDTV/P also functions as a powerful personal computer, offering the true multitasking and sophisticated sound and graphics features of the Amiga line. Virtually anything you can do with a standard Amiga® 500™ computer you can do with the CDTV/P.

Because the CDTV/P features an open-architecture design, it is also easy to expand and can grow with you as your needs and capabilities expand. For instance, you can install optional devices like a genlock to process video images or a SCSI adapter to add external devices.

The CDTV/P also is a sophisticated CD audio player capable of handling both standard CDs and the new CD + G disks, which feature both music and graphic images. All the CD controls are shown on your display screen, and you can make your selections using a wireless mouse or remote control.

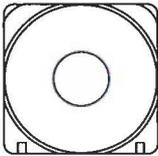
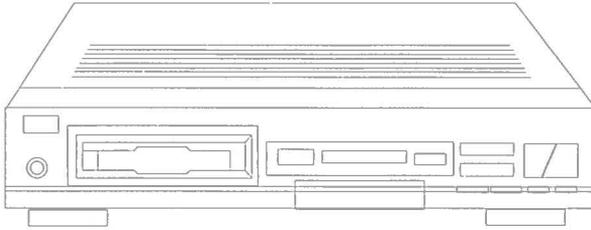
In short, the CDTV/P is far more than the sum of its parts. Its capabilities are growing every day. The frontiers of the multimedia world are only beginning to be explored. And, as a CDTV/P owner, all this burgeoning capability is right at your fingertips.

What You Get in the CDTV/P Box

You should receive the following items in the CDTV/P box. See the facing page for an illustration of each item.

- CDTV/P Player
- Keyboard
- CD 1252 Infrared (Wireless) Mouse
- Remote Control
- CD 1411 Floppy Disk Drive
- Caddy and Welcome CD
- Power Cord
- Stereo Audio Cable
- NTSC Auto RF Switch or PAL RF Cable (depending on geographic area)
- Operating System Software
- Documentation

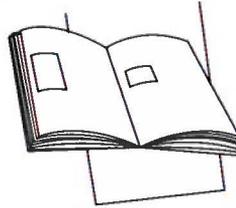
CDTV/P Player



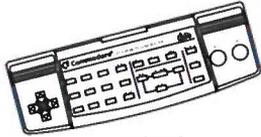
Welcome Disc
in Caddy



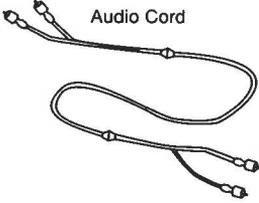
Wireless Mouse
with 2 AA Batteries



Documentation
including
Warranty
Card



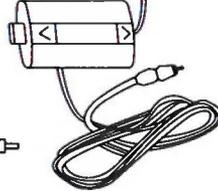
Remote Controller
with 2 AA Batteries



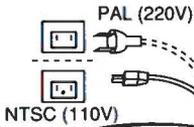
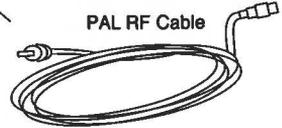
Audio Cord

ONE OF:

NTSC
Auto RF Switch



PAL RF Cable



NTSC (110V)

PAL (220V)

Power Cord



Computer Keyboard



Floppy Drive

Types of Software Available for Your CDTV/P

There is an extensive list of software available for the CDTV/P, and the list is being added to virtually daily. The CDTV/P provides an especially attractive platform for the development and use of software in a number of fields where sound and images can be used to reinforce one another, such as training, education, and presentations. For instance, the use of sound and graphics makes reference software for the CDTV/P very easy to use.

Following is a sampling of CDTV/P software currently available in various fields.

TRAINING — Skillworks™

EDUCATION — Thomas Snow Suit™

REFERENCE — The New Grolier Electronic Encyclopedia™

MUSIC — Music Maker™

ARTS — The Complete Works of Shakespeare

ENTERTAINMENT — Lemmings™

PRODUCTIVITY — Textcraft™

You will want to check with your dealer on a regular basis to see what's new in CDTV/P software.

Using the Documentation Supplied With Your CDTV/P

In addition to this introductory guide, your CDTV/P package includes documentation that provides an overview of the Amiga 500 computer. This documentation includes comprehensive information on the Amiga Workbench™, the easy-to-use, graphics-based user interface for the Amiga.

2. Setting Up Your CDTV/P System

CAUTION:

BEFORE YOU ATTEMPT TO SET UP THE CDTV/P OR CONNECT ANYTHING TO IT, MAKE SURE THAT ALL POWER SWITCHES ARE TURNED OFF AND THAT NO POWER CABLES ARE CONNECTED TO ELECTRICAL OUTLETS.

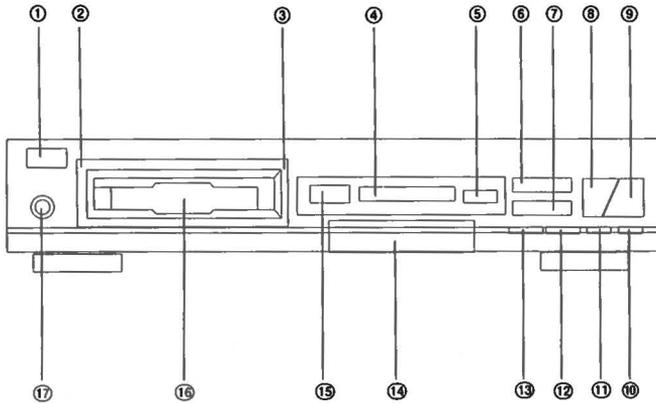
Jump Starting Your CDTV/P

If you're the impatient type, you'll be happy to find that you can get started using the CDTV/P very quickly. Here's all that's involved:

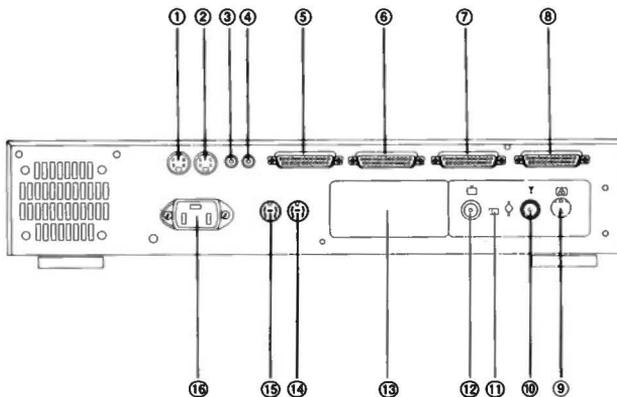
- Unpacking the CDTV/P unit.
- Unpacking the mouse and inserting two AA batteries (supplied) in the mouse.
- Connecting a display device (monitor or TV set) to the rear of the CDTV/P.
- Connecting the CDTV/P and the display device to electrical power.
- Turning on the monitor and the CDTV/P.
- Inserting a disk in the disk caddy.
- inserting the disk caddy in the CDTV/P.
- Using the mouse (or remote control) to access the system screen and select a CDTV/P activity.

You can of course also connect the supplied keyboard and floppy disk drive to the CDTV/P to achieve A500 computer functionality.

This chapter shows how to make the basic connections. The next chapter shows how to use the mouse or remote control to select items and otherwise interact with the system screen.

Front

- | | | |
|-----------------------|------------------|----------------------|
| 1. Power | 7. Stop | 13. Reverse |
| 2. Power Light | 8. Volume Down | 14. Memory Card Slot |
| 3. CD Activity Light | 9. Volume Up | 15. Remote Sensor |
| 4. Clock/Timer Volume | 10. Reset | 16. CD Slot |
| 5. CD/TV Indicator | 11. CDTV | 17. Head phone Jack |
| 6. Pause | 12. Fast Forward | |

Rear**Wired**

- | | | |
|-------------------------|---------------------------|---------------------------|
| 1. Remote Connector | 7. Parallel Port | 13. Expansion Slot |
| 2. Keyboard Connector | 8. RGB Video Out | 14. MIDI In |
| 3. Right Audio Out | 9. Composite Video Out | 15. MIDI Out |
| 4. Left Audio Out | 10. S-Video Out | 16. Power Cord Receptacle |
| 5. Disk Drive Connector | 11. Channel Select Switch | |
| 6. Serial Port | 12. RF Out | |

Setting Up Your CDTV/P

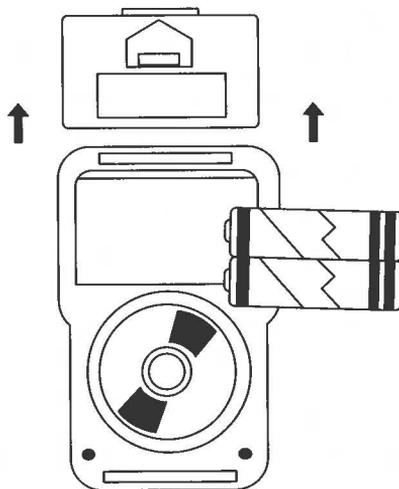
1. Remove the CDTV/P and accessories from the box. Remove all packing material.
2. Place the CDTV/P on a stable, level surface away from heat, moisture, or vibrations. Do not block the ventilation slots on the top or sides of the CDTV/P or the ventilation fan slots on the back. **REMEMBER: To protect against electrical shock, disconnect all equipment (monitor, VCR, printer, etc.) from power while connecting the CDTV/P.**
3. Connect the CDTV/P to a display device (monitor or cable-ready TV set). The actual connection depends on the type of monitor or TV set you are using. See **CONNECTING THE DISPLAY DEVICE** below for detailed connection diagrams and instructions.

Once you connect the display device you can begin to use the CDTV/P by setting up the mouse or remote control (as explained below) and connecting the power cables. Before you do this, you should read Chapter 3 for important information on how to insert a disk in the CDTV/P.

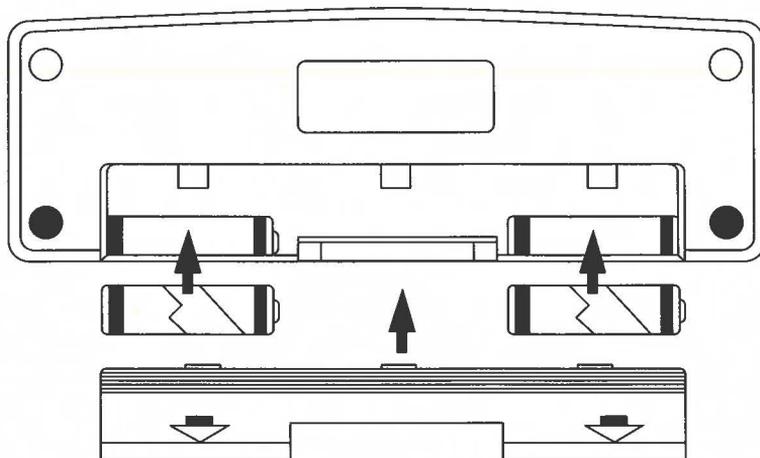
Setting Up the Mouse and Remote Control

Before you can use the CD 1252 infrared (wireless) mouse or the remote control, you must first insert the two AA batteries as shown in the illustrations below.

Mouse



Remote Control

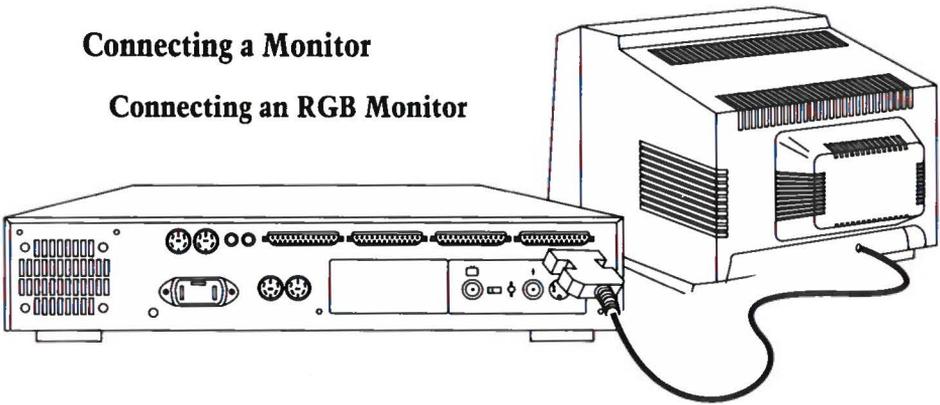


Connecting the Display Device

To display video information, you must connect a display device of some sort to the CDTV/P. For professional use an RGB or S-VHS video monitor is recommended. For less critical display requirements, a composite monitor or standard television set can be used. The following paragraphs tell how to connect the CDTV/P to various types of monitors and TV sets, using the video and TV connector ports on the rear of the CDTV/P.

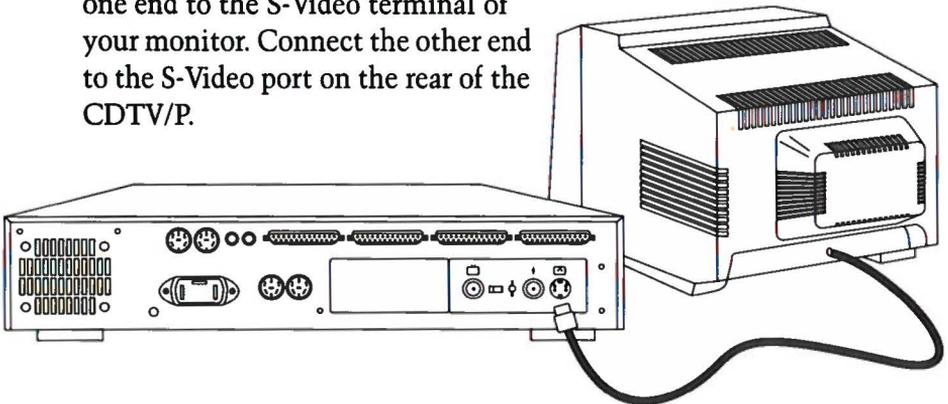
Connecting a Monitor

Connecting an RGB Monitor

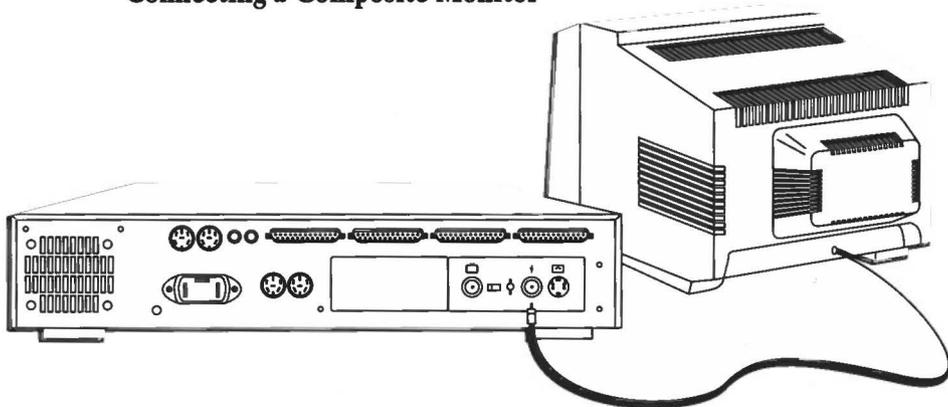


Connecting an S-Video Monitor

- Obtain an S-Video cable. Connect one end to the S-Video terminal of your monitor. Connect the other end to the S-Video port on the rear of the CDTV/P.



Connecting a Composite Monitor



Connecting a Television Set

When connecting the CDTV/P to a cable-ready TV set (or cable-ready VCR/TV combination), the actual connection depends on the type of TV set you are using. See below for detailed connection instructions.

Using the Video Adapter (Auto RF Switch)- for NTSC TV Sets only:

1. Disconnect the antenna or cable leading into your TV set or VCR (the connection is sometimes marked ANTENNA-IN, 75, RF-IN, or VHF-IN.) Connect the antenna or cable TV to the port marked ANT on the Video Adapter.
2. Connect the short cable, marked TV, leading out of the Video Adapter into your TV set or VCR (where your antenna or cable TV used to be attached.)

3. Plug the long cable, marked RF, leading from the Video Adapter into the RF port (marked with the — symbol) on the rear of the CDTV/P.
4. Tune the TV/VCR to the proper channel (3 or 4, whichever is not used in your geographical area).
5. Set the Channel Select Switch on the rear of the CDTV/P to the position that corresponds to the TV/VCR channel selection (left for channel 3, right for channel 4 as you face the rear of the unit). Both the video and audio signals are automatically channeled through the Video Adapter to your TV set.

Using the RF Cable (*for PAL TV Sets only*):

Disconnect the antenna or cable leading into your TV set or VCR (the connection is sometimes marked ANTENNA-IN, 75, RF-IN, or VHF-IN.) Connect the antenna or cable-TV cable to the RF Out port on the rear of the CDTV/P.

Audio Connections

The CDTV/P provides compact disk quality audio that you can output in a variety of ways, as described below. There are left and right audio connectors on the back of the CDTV/P for connecting the audio output to a monitor, monitor style TV or audio equipment. The CDTV/P comes with a set of stereo cables for the left and right audio channels. For the best sound quality, you can use headphones or connect the CDTV/P to a stereo system.

Connection for a Monitor or Monitor-Style Television Set

To connect the CDTV/P sound to a stereo monitor or monitor-style stereo television set, insert one end of the stereo cables into the right and left audio outputs on the back of the CDTV/P. Then insert the other ends into the corresponding audio inputs of the monitor or TV.

If your monitor or TV has only a monophonic speaker, you can convert the two stereo channels from the CDTV/P to a single channel that can be plugged into any monophonic audio input by using an optional cable called a "Y" adapter. This adapter can be purchased at electronics stores and in the electronics or hardware departments of many large consumer stores. Just insert the two phono plugs at one end of the "Y" adapter into the two audio outputs on the back of the CDTV/P. Then insert the single plug at the other end of the "Y" into audio input jack of the monitor or TV.

Connection for a Stereo System

If your stereo system has a set of RCA-type audio input connectors (labeled Auxiliary, Aux, CD, Tape, VCR Audio, TV/Aux, etc.), you can use these connectors to attach the stereo output cables from the CDTV/P.

To connect the CDTV/P to your stereo system, insert the cables into the right and left audio output connectors of the CDTV/P. Then insert the other ends of the cables into the corresponding audio input jacks of the stereo system.

If you have a non-standard (i.e., non-RCA) type of connector on your stereo equipment, there is probably an adapter that will enable you to make the audio connection. See your dealer for information.

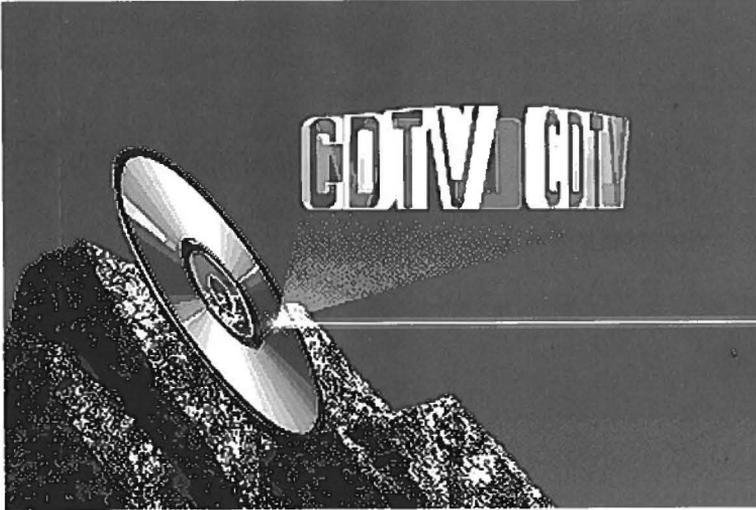
3. Getting Started

Turning on the CDTV/P System

To turn on your CDTV/P and play a CDTV disk:

1. Connect the power cable to the electrical receptacle on the back of the CDTV/P. Plug the other end of the power cable into a power outlet. **BE SURE TO USE ONLY A SOCKET OF THE PROPER CONFIGURATION AND VOLTAGE FOR YOUR COUNTRY OR GEOGRAPHICAL AREA. IF IN DOUBT ABOUT THE ELECTRICAL REQUIREMENTS, CONSULT YOUR DEALER.**
2. Connect the power cables for the display device and any other equipment in your system. Turn on the power for this equipment.
3. Press the POWER button on the left front of the CDTV/P. The green light next to the power button should come on.

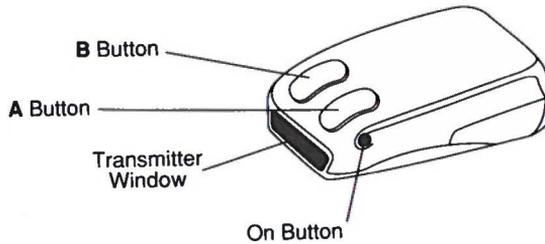
When you turn on the CDTV/P, you will first see the CDTV introductory screen, showing a laser beam reflecting off a CD and illuminating the rotating CDTV logo. This screen will remain as long as there is no disk in a caddy inserted in the disk slot on the front of the CDTV.



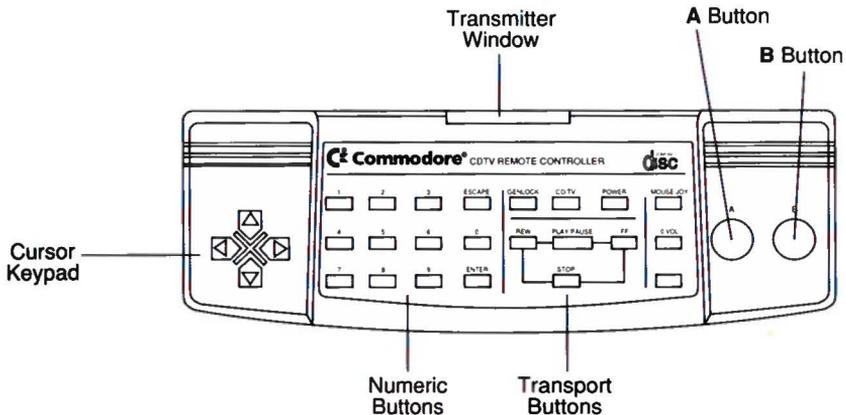
About the Mouse and Remote Control

The CDTV/P includes an infrared (wireless) mouse and an infrared remote control unit. In most cases, you can use either of these units with the CDTV/P built-in firmware and CDTV/P application software. You can also use the computer keyboard in some cases.

Mouse



Remote Control



Below is a list showing the correspondence between the remote control buttons, the computer keyboard keys and the mouse buttons.

CDTV Remote	Amiga Keyboard	Amiga Mouse
Cursor buttons	cursor keys	mouse movement
0-9	keyboard or keypad number keys	
ESCAPE	Esc or Help	
ENTER	Return or keypad	
"A" button	Left Alt + Left Amiga	left button
"B" button	Right Alt + Right Amiga	right button

The advantage of using a mouse and/or keyboard is that moving around and choosing options can be more direct and precise than using the cursor and A/B buttons on the CDTV remote. Also, entering text in a word processor or database application is much easier through the keyboard.

The remote control also includes the following buttons:

GENLOCK

The GENLOCK button is for mode selection of an optional video genlock device.

CD/TV

The CD/TV button determines whether the CDTV/P RF video output or RF input from a broadcast or cable source is displayed on the television screen.

JOY/MOUSE

The JOY/MOUSE button determines whether the cursor buttons respond as a joystick or as a mouse.

REW/PLAY/PAUSE/FF/STOP

These buttons control CD transport functions i.e., moving forward, back, etc.).

Using the Mouse

The mouse controls a pointer on the system selection screen by gliding the mouse in the direction you want the pointer to move.

To use the mouse, place it on a flat surface with the transmitter window (see illustration) pointing toward your CDTV/P. To activate the mouse buttons, press the ON button located on the side of the mouse. The motion of the mouse against a flat surface (mouse pad, table, desk, etc.) causes the pointer on the top of the screen to move. The mouse can be picked up and placed onto a different spot without causing the pointer on the screen to move.

The mouse has a special battery-saving feature that will automatically turn the mouse off if no activity has been detected after one minute. If the mouse deactivates itself during use, simply press the ON button again.

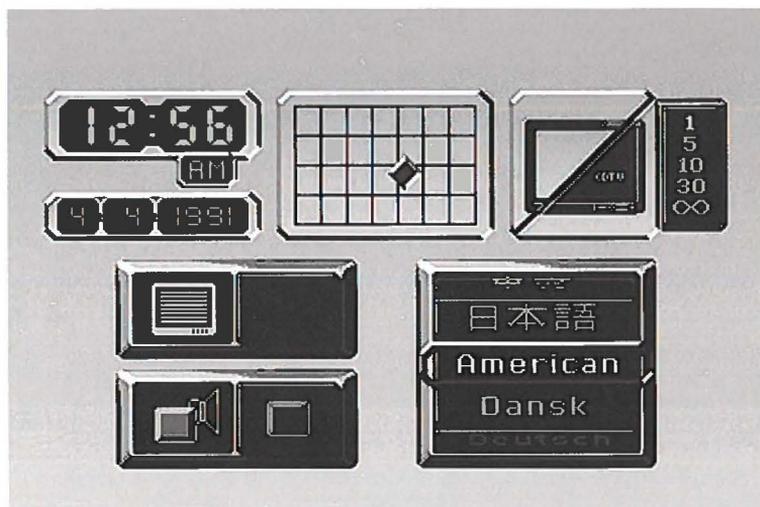
Since the mouse is a very sensitive pointing device only a small area is required for use. To operate it effectively, you need a clear spot approximately 5 or 6 inches in diameter with a surface that allows the ball inside to roll smoothly without slipping.

As indicated in the table above, the left and right mouse buttons are used the same way that the A and B buttons on your CDTV remote controller are used: that is, to select items, back up to previous menus, etc. Generally, the left button is used to advance through a menu to the next item and the right button is used to return to the previous item.

NOTE: In order to use the mouse with a specific CDTV title, that title must be designed for mouse-mode control. Check the instructions that come with each CDTV title for more information about using the mouse.

The Preferences Screen

When you see the CDTV logo on the screen, press the left mouse button (or the A button on the remote control). The following Preferences screen will appear.



You can use this screen with the mouse or remote control to set certain options for CDTV-mode operation. These are:

- time and date
- screen centering
- screen saver delay time
- button beep
- screen interlace mode
- native language

Each option on the Preferences screen has a large tile-like icon. Whatever icon is highlighted indicates the current option. You can move through the different options using the remote control or the mouse. When the desired icon tile is highlighted, you can select or modify an option, as indicated below:

- **Setting Time and Date**

The current time and date are picked up from the system time and date of the CDTV/P. To change this setting, select first the hours, minutes, mode (AM/PM/24 hr), then the month, day, or year tile; then enter the new value with the remote control number keys or by scrolling up and down with the left mouse button.

- **Adjusting Screen Centering**

Highlight this option and then click the left mouse button. The diamond shaped indicator on the screen grid will turn red). Then use the cursor keys or mouse to move the indicator and change the screen centering.

- **Setting Screen Saver Delay Time**

The Screen Saver feature makes the screen go blank if no input is received in a specified period of time. This is designed to help preserve the monitor.

Click the left mouse button or press Return to cycle the screen saver delay time through its five possible values: 1, 5, 10, 30, and infinity (screen saver disabled). Values are in minutes of idle time. The value in yellow is the chosen value.

- **Setting Button Beep**

Click the left mouse button or press the A button on the remote control to toggle on or off the sounding of a beep whenever you press a key.(This setting affects CDTV applications only.)

- **Setting Screen Interlace Mode**

Interlaced is a term used to describe a video display that scans first the even-numbered lines and then the odd-numbered lines to achieve a higher-resolution (i.e., sharper) video image (this is how a TV display works). An interlaced display may flicker when used with some monitors. This feature allows you to turn interlacing on or off as desired.

Click the left mouse button or press the A button on the remote control to switch from non-interlaced to interlaced screen mode. (This setting affects CDTV applications only.)

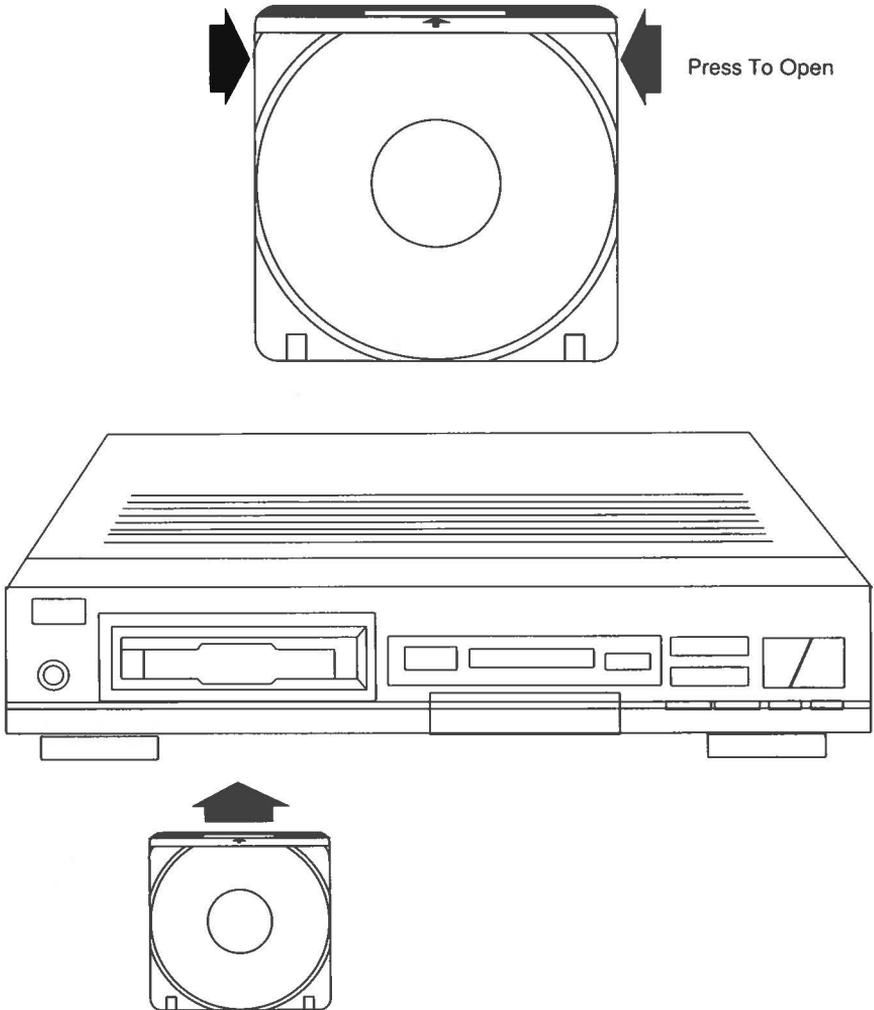
- **Setting Native Language**

Use the cursor keys to scroll the various language choices into view. The setting affects only CDTV applications that have a language option for their displays.

The settings you choose are saved in memory when you turn your system off. If you do not make any selections, the CDTV/P will automatically default to U.S settings and return to the CDTV logo screen. If you can click the right mouse button or the B button on the remote control to exit the CDTV Preferences screen and return to the CDTV logo screen.

Running A CDTV/P Application

To run a CDTV/P application, you must first insert a CDTV application disk in the disk caddy and insert the caddy in the disk slot on the front of the CDTV/P, as shown below. Make sure the arrow on the caddy is pointing toward the CDTV/P.



We suggest you start off with the Welcome CD (factory-inserted in the disk caddy). The Welcome CD provides an entertaining introduction to the CDTV/P, including an overview of the features and capabilities.

WARNING

NEVER PLACE ANY COMPACT DISK INTO THE CDTV/P UNLESS THE DISK IS INSIDE THE CADDY! PUTTING A COMPACT DISK IN THE CDTV/P WITHOUT THE CADDY WILL DAMAGE YOUR DISK AND COULD DAMAGE YOUR CDTV/P.

When you insert a CDTV application disk, the black-and-white "CDTV Interactive Multimedia" screen will come up while the application loads into memory. When the application's own introductory screen appears, follow the instructions given with the application.



If the disk is an audio CD (or CD + G/CD + MIDI) disk, the CD Audio Control screen will automatically appear. See Chapter 4 for directions on using the CD Audio Control screen.

If the disk is a non-CDTV CD-ROM, the CDTV logo will turn red to indicate the disk is non-bootable.

You can eject the disk caddy from the CDTV/P at any time without damaging the caddy or disk, by pressing the eject button on the front of the player. It is advisable, though not absolutely necessary, to first stop and exit whatever operation is currently being performed before ejecting the caddy. Ejecting the disk will in most cases reboot the system.

If You Have A Problem . . .

PROBLEM	SUGGESTED REMEDY
No picture or sound	Turn off the equipment and check all connections before trying again.
Excessive noise or interference	Make sure TV or VCR is set to the proper channel (3 or 4, whichever is not used in your geographical area). Make sure the Channel Select Switch on the rear of the CDTV/P is set to the position that corresponds to the TV/VCR channel selection (to the left for 3, to the right for 4).
Disk does not start.	Eject the disk and re-insert it into the player.
Disk does operate smoothly or respond when you press buttons on your mouse/remote control.	Press the JOY/MOUSE button on remote control once.
Title screen turns red when disk is inserted.	Disk is not CDTV title or is defective.
Green light next to power button does not light when power button is pressed.	Press power button OFF and then ON again.

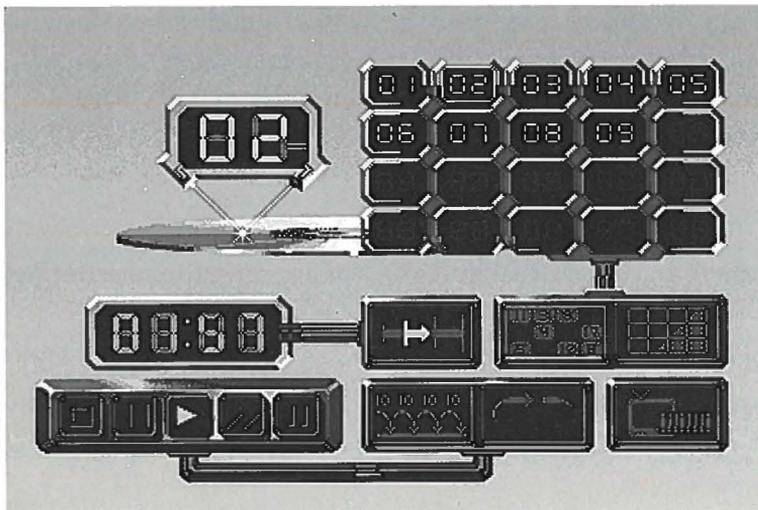
4. Using the CDTV/P As A CD Player

The CDTV/P is a fully functional CD player capable of playing standard audio CD, CD + G and CD + MIDI disks. Audio compact disks (CDs) and CDTV/P application disks have a different format. The CDTV/P system software recognizes the difference, and automatically prepares to play an audio CD when you insert the disk in the CDTV/P.

To play a CD, CD + G or CD + MIDI disk, just place the disk in the caddy and insert in the disk slot. When playing a CD audio disk, you can use the mouse and the display screen to select various modes of operation, such as random play, search, etc. Remember that for optimum sound quality you can use headphones or connect the CDTV/P to a stereo system, as shown in Chapter 2.

CDTV/P CD Audio Control Screen

You use the mouse or remote control to control CD play with the following on-screen display:



The CD Audio Control Screen is similar in appearance and operation to the CDTV Preferences screen. It allows CD play options found on full-function audio CD players, including track programming, track scan, and shuffle play.

Shortly after the control screen comes up, the CDTV/P will prepare to play the CD, starting with the first track (provided you have not activated any other play options).

Use the remote control cursor keys or the mouse to move the animated highlight to the desired option icons on the screen. To activate the highlighted icon's function, click the left mouse button, or press the A button on the remote control.

NOTE: As shown below, several of the main icons on this screen are also mapped to the function keys on the computer keyboard. F1 through F5 are the same as the five transport control buttons at the lower left of the screen, while F6 through F10 activate buttons to the right of the transport control.

F1 = Stop	F6 = Time display mode
F2 = Last track/REW	F7 = Shuffle play
F3 = Play	F8 = Program clear
F4 = Next track/FF	F9 = Intro scan
F5 = Pause	F10 = Loop

The symbols on an icon will be highlighted in yellow when the icon has been selected. The large animated numeric displays on the left show the current track number and the elapsed time. The grid in the upper right shows the numbers of all the tracks on the disk, and the order in which they will be played.

Play

Select this button to play a CD, starting with the current track and proceeding in the order shown on the display grid.

Pause

Select this button to pause the current track. Selecting the Pause button again, or selecting the Play button, will resume play.

Stop

Select this button to stop play. This resets the play sequence to the beginning of the display grid.

Last track/Next track (REW/FF)

Briefly select these buttons to skip backward or forward one track in the sequence displayed on the grid. The track number display will change appropriately.

Select and hold these buttons to rewind or fast-forward through a track while playing (the track number will not change).

Time display/Display mode

By default, this displays the time elapsed since the beginning of the current track. It can also display:

- time remaining in the current track
- time elapsed since the beginning of the CD
- time remaining in the entire CD

Selecting the Time Display Mode button will cycle through these options. The symbol on the button changes to indicate the current mode.

Shuffle play

The shuffle play option allows you to randomize the order in which you listen to the tracks on a CD, for listening variety. When you select this button, a new track order is generated and then displayed on the track display grid at the upper right of the screen. You can select the button repeatedly to “reshuffle” for different orders.

You can also use the grid to program exactly the tracks you want to hear, in a specific order. Simply select or deselect individual tracks on the grid while they are highlighted. Or select a track block on the grid and enter a track number using the number keys on the keyboard. (Numbers larger than the number of tracks on the disk will not be accepted.)

If a disk has more than 20 tracks, the track numbers above 20 will not be displayed at first. They will scroll into view when you move down at the bottom of the grid.

To eliminate the current sequence of tracks displayed on the grid, select the Program Clear button.

Intro scan

Select this button to hear the first ten seconds of each track on the disk, in the order shown on the display grid. Select this button again, or select Stop, to cancel Intro Scan.

Loop

The loop option allows you to define a loop that automatically repeats any section of the CD. The loop can be any length from under a second to the entire CD.

Select this button before CD play has started to toggle between loop and normal play. In normal play, CD play ends at the conclusion of the last track. In loop play (with the loop arrow highlighted) play will automatically start again with the first track at the end of the last track.

Select this button once while the CD is playing to define the start point of the loop. The button symbol will change to a double arrow, with the left-hand arrow highlighted. The track will continue to play.

Select the button again when you wish to define the end point. The right-hand arrow on the button will then also become highlighted, and play will jump back to the loop start point. Play will continue to jump back to the start point when the end point is reached as many times as you wish.

To cancel the loop mode and allow play to continue beyond the end point, select the Loop button again. The arrow will return to a single, unhighlighted image.

CD + G/CD + MIDI

Select this button to access the graphics or MIDI data on a CD + G or CD + MIDI disk. This mode does not allow all the play options on the CD audio control screen, so the screen changes to a special play screen. This screen has just Play/Pause, Last track/Next track, and Stop buttons displayed.

Select a function using the remote keyboard or mouse. Selecting the Play button will start playing the CD from the first track. When a CD + G track is played, the play screen is replaced with the still image(s) or slow-scan graphics stored on the disk, and the audio plays normally.

Some CD + G disks have more than one graphics track. Click the left mouse button or press Left Alt + Left Amiga to select the desired track. The track number will appear in the lower right corner of the screen.

When a CD + MIDI track is played, the MIDI data is passed to the CDTV/P output port.

To return to the main CD Audio Control screen, you must reboot the system.

5. Using the CDTV/P As An A500 Computer

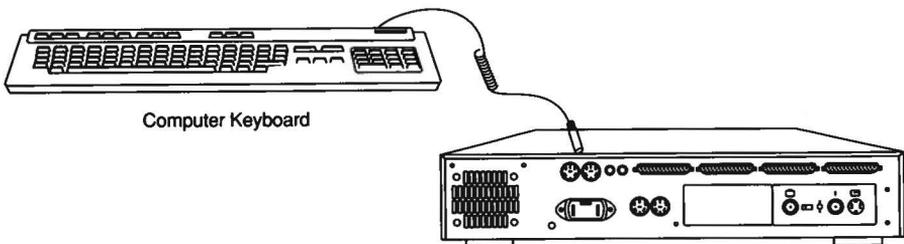
To use the CDTV/P as an A500 computer, you must first connect the keyboard and the disk drive to the CDTV/P.

With the keyboard, floppy drive and monitor or TV connected and the mouse operational, the assembled CDTV/P is fully functional as an Amiga 500 (A500) computer. For complete details on A500 computer operations, including keyboard use, refer to the A500 computer documentation included with your CDTV/P.

Note that the power supply and power switch are built into the CDTV/P, rather than being a separate component as with the standard A500. Therefore, for the CDTV/P, all references in the A500 documentation to the separate power supply/power switch component should be interpreted as referring to the built-in power supply and power switch of the CDTV/P.

Connecting the Keyboard

Insert the connector on the free end of the keyboard cable into the 6-pin keyboard port on the rear of the CDTV/P. The connector will only fit in one direction. Insert firmly but do not force.

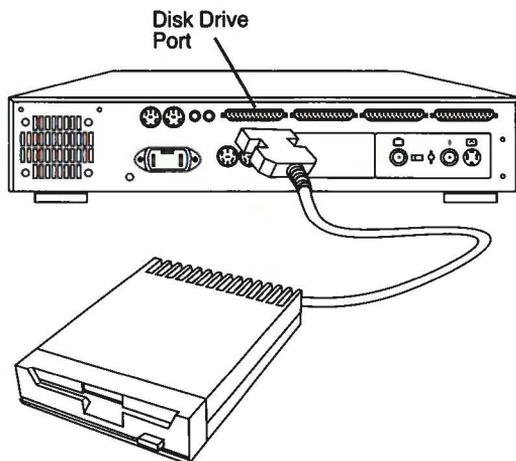


Using the Keyboard

The CDTV/P keyboard works just like a standard A500 keyboard. See the A500 documentation for detailed instructions on using the keyboard.

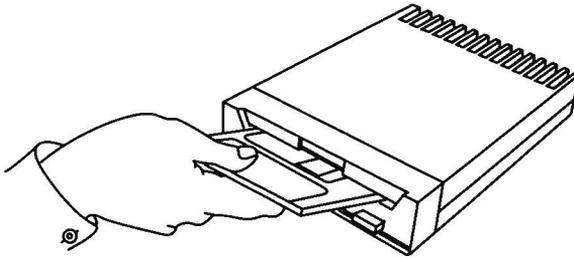
Connecting the CD 1411 Floppy Disk Drive

The CD 1411 floppy disk drive has a cable with a connector on one end. Insert the connector into the DISK DRIVE port on the back of your CDTV. The connector will only fit in one direction. Tighten the screws on each side of the connector with your fingers or a screwdriver.



Using the Floppy Disk Drive

Floppy disks should be inserted into the floppy disk drive with the metal-end first, and with the labeled side facing up. To remove a disk, simply press the button on the lower right side of the drive.



CAUTION

**ALWAYS WAIT FOR THE FLOPPY DISK DRIVE LIGHT
TO GO OUT BEFORE REMOVING A DISK.**

6. Expanding the CDTV/P

The CDTV/P's design allows for the easy addition of optional devices to expand its capabilities. Among the already available options are:

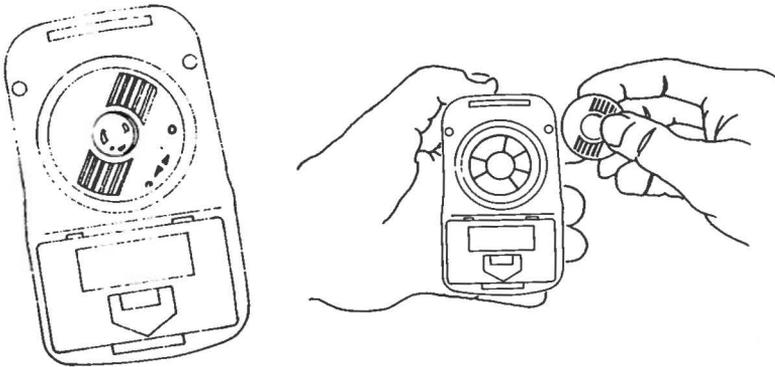
- Trackball Controller — Can be used as either a remote control device, or can be connected to your CDTV/P using the supplied cable. Also allows you to use two joysticks.
- CDTV Genlock Module — Allows you to mix external video signals with images from your CDTV.
- SCART Video Module — Allows you to connect your CDTV/P to a TV set with a SCART connector.
- Memory Cards — Can be inserted in the "credit card" slot in the front of the CDTV/P to provide additional memory for expanded capabilities.
- Musical instrument keyboard (MIDI) — Allows you to play and even create music using a MIDI musical keyboard.
- Printer — Allows you to create hard copy from a CDTV/P or computer program.
- Modem — Allows communication with other devices worldwide.

As is the case with CDTV/P software, new items will continually become available, so you will want to check with your dealer on a regular basis to see what's new in the CDTV/P hardware world.

Appendix A

Cleaning the Mouse

The ball inside the mouse must roll freely in order to accurately manipulate the pointer on the screen. If dirt accumulates on the ball, cleaning will be necessary. It is important to keep the mouse area free of dirt such as dust and crumbs, or the mouse will have to be cleaned more often. To clean the mouse, hold the mouse upside down in both hands and place your thumbs on the two grip areas on either side of the ball. Use your thumbs to rotate the retaining cover counterclockwise, so that the arrow on the cover points to the "O" or open position. Now gently lift off the mouse cover, and catch the ball.



Just inside the top of the ball opening there are three small plastic rollers. To clean these, use isopropyl (not rubbing) alcohol or tape recording head cleaning fluid, and gently clean the surface of each roller. To remove any dirt or dust from the ball area, gently blow into the opening. Wipe off the ball with a soft dust free cloth. Replace the ball inside the mouse and set the retaining cover back into place with the arrow pointing to the "O" or open position. Now use your thumbs to rotate the arrow cover clockwise so that the arrow on the cover points to the "C" or closed position.

