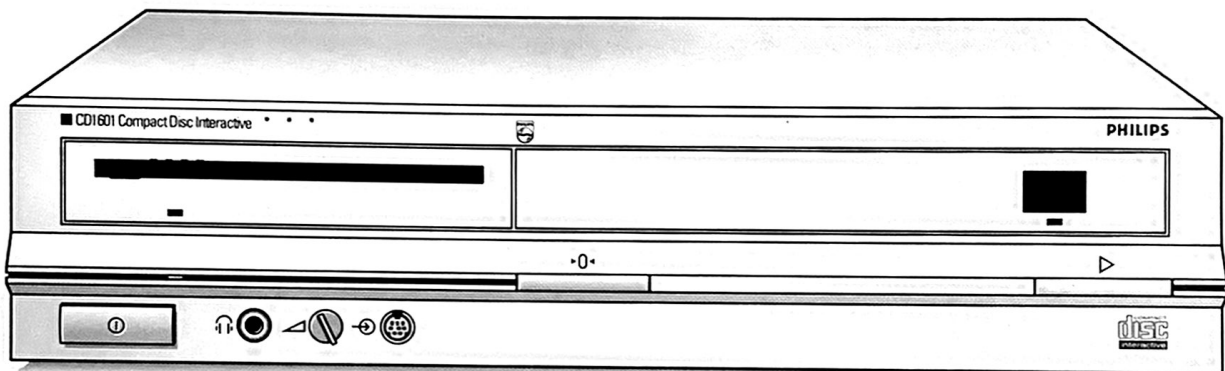


**Interactive
Media
Systems**

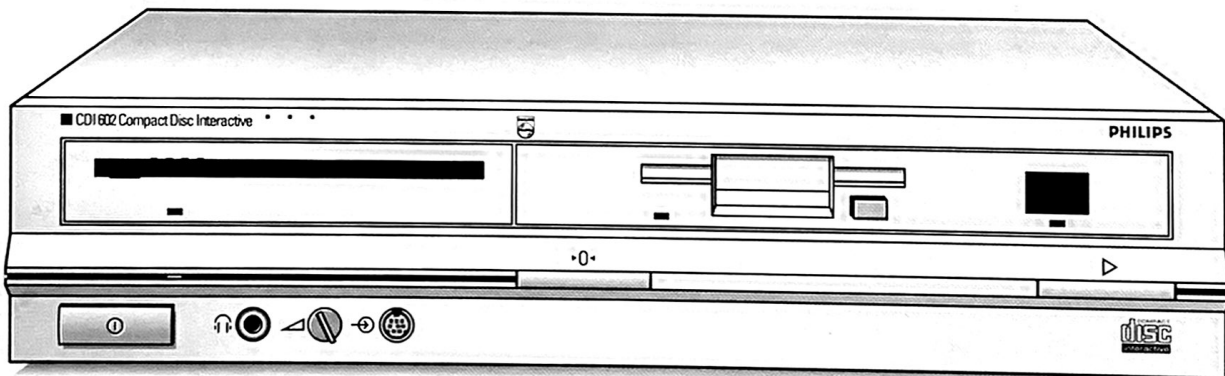
CD-I



CDI 601/602



CDI 601



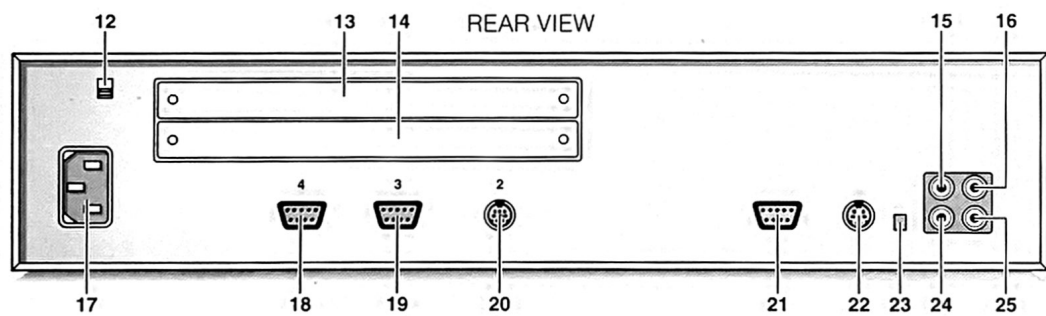
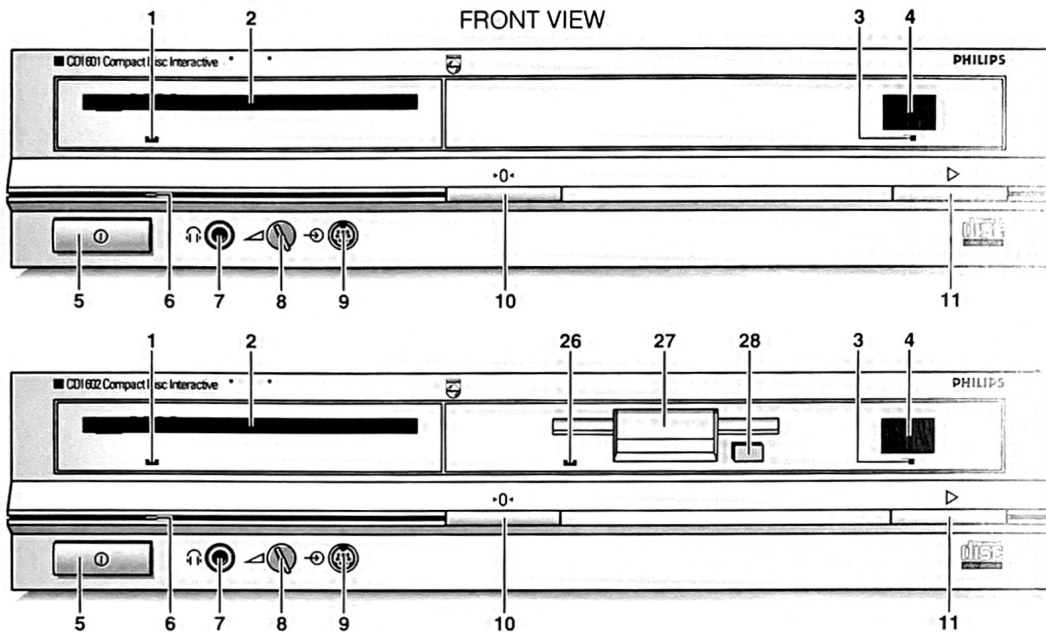
CDI 602

USER MANUAL



PHILIPS

CDI 601/602



CDI 601/602 FRONT PANEL

- 1. "Reading Disc" indicator
- 2. Caddy loading slot
- 3. Remote Control indicator
- 4. Infra-red sensor
- 5. Power On/Off button
- 6. Power On indicator
- 7. Headphone socket
- 8. Headphone volume control
- 9. Port 1
- 10. "Return to zero" button
- 11. Start/Play button
- 26. Floppy Disc Drive indicator
- 27. Floppy Disc Drive 3.5"
- 28. Floppy Disc Drive eject button

CDI 601/602 REAR PANEL

- 12. Voltage selector 110/220V
- 13. Extension slot 2
- 14. Extension slot 1
- 15. Audio L channel connector
- 16. CVBS (Video) connector
- 17. Power connector
- 18. Port 4
- 19. Port 3
- 20. Port 2
- 21. RGB connector
- 22. Y/C (S-Video) connector
- 23. 525/625 line selector
- 24. Audio R channel connector
- 25. Remote control bus connector

IMPORTANT SAFEGUARDS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read Instructions - All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. Accessories - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. Ventilation - Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
11. Grounding or Polarization - This product is equipped with a 3 wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding type power outlet. This is a safety feature. If you are unable to insert the plug fully into the outlet contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding type plug.
12. Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. If an extension cord is used with this product, make sure that the total of amperage ratings of the products plugged into the extension cord do not exceed the extension cord amperage rating. Also make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.
14. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
15. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
16. Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power-supply cord or plug is damaged.
 - b. If liquid has been spilled, or objects have fallen into the product.
 - c. If the product has been exposed to rain or water.
 - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - e. If the product has been dropped or the cabinet has been damaged.
 - f. When the product exhibits a distinct change in performance - this indicates a need for service.

ATTENTION TO CUSTOMER

In order to avoid the risk of electrical shock and mechanical hazard, please follow these instructions:

1. If you operate this unit with mains voltages higher than 125 Vac, you must select a UL listed AC cord assy SVT type max. 4.5 m rated 250 Vac 7A.
2. Extension boards may only be used when UL listed.
3. For Installation or replacement of extension boards, the user should carefully read the installation procedure bypacked with the extension board.
4. Do not operate the CD-I system without cover and do not operate the CD-I system without extension boards in extension slots mounted and fixed to the chassis with screws.

INFORMATION TO USER

READ CAREFULLY

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSIONS FROM DIGITAL APPARATUS AS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

LE PRÉSENT APPAREIL NUMÉRIQUE N'ÉMET PAS DE BRUITS RADIOÉLECTRIQUES DÉPASSANT LES LIMITES APPLICABLES AUX APPAREILS NUMÉRIQUES DE CLASSE B PRESCRITES DANS LE REGLEMENT SUR LE BROUILLAGE RADIOÉLECTRIQUE EDICTÉ PAR LE MINISTÈRE DES COMMUNICATIONS DU CANADA.

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna
- Relocate the CD-I system with respect to the receiver
- Move the CD-I system away from the receiver
- Plug the CD-I system into a different outlet so that CD-I system and receiver are on different branch circuits

The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio - TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-00345-4.

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WELCOME TO CD-I

This Compact Disc Interactive (CD-I) system is designed to run discs conforming to the CD-I standard. It will also play CD-Audio discs and the audio tracks of 12 cm LaserDiscs, and can be extended for use as a CD-ROM drive. Extension slots and RS 232-C I/O ports allow for the connection of peripherals and communication devices, for memory extension and for server/networking configurations to suit specific applications, including CD-ROM. The floppy disc drive of the CDI 602 is a versatile system-specific storage and retrieval facility.

IMPORTANT SAFEGUARDS

Before attempting to install or operate this appliance, please read the Important Safeguards under the front cover flap.

INSTALLATION

Positioning

Place the system on a firm flat surface. Keep away from heat sources and direct sunlight. In a cabinet, allow 2-3 cm of free space all round for ventilation.

CONNECTIONS

For cables other than those supplied, please contact your national Philips organization.

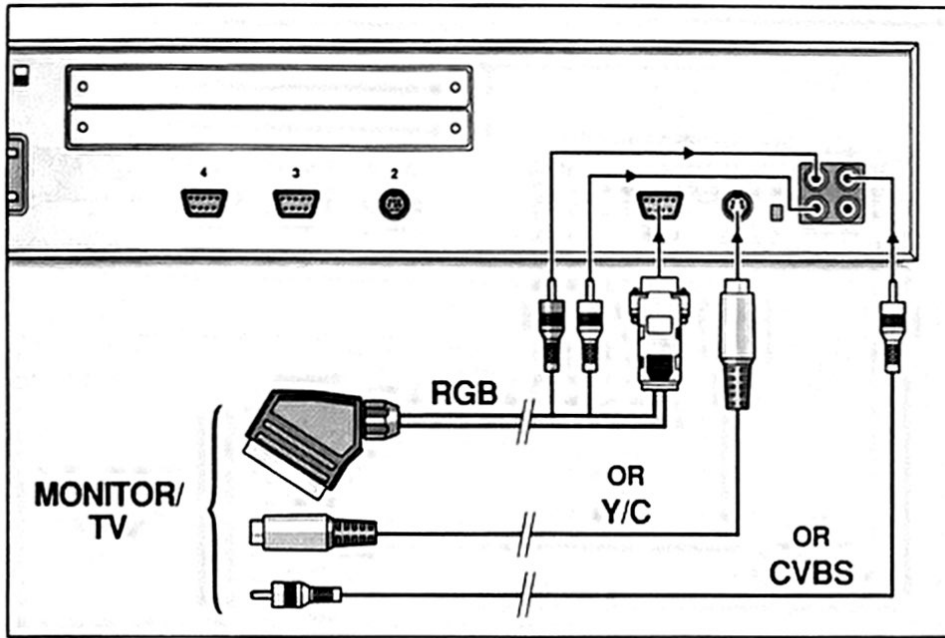
CAUTION: never make or change connections (other than the headphone) with the power switched on. It is advisable to make all other connections before connecting power.

Video

• Three video outlets are located on the rear panel. In order of preference to obtain the best achievable picture quality, they are :

- A. RGB
- B. Y/C (S-Video)
- C. CVBS (Video)

Connect the outlet that will give the best picture quality on the display unit used.



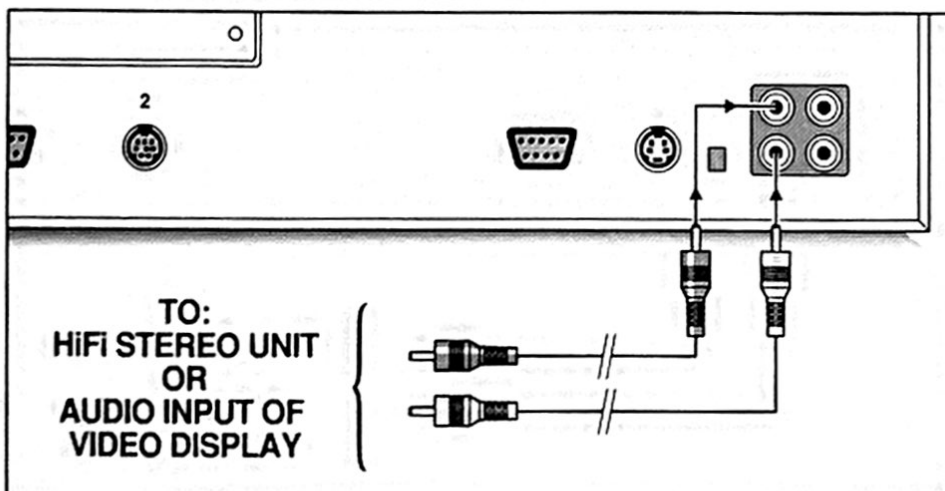
- A. RGB Connection : this D-sub connector supplies analog RGB signals at the voltage level given in the Technical Data section. This outlet is not compatible with the connectors of the same type used on computer terminals. Connect to the display unit using an RGB cable (Supplied in Europe).
- B. Y/C Connection : connect to the display unit Y/C (S-Video) socket using a Y/C (S-Video) cable.
- C. CVBS (Video) Connection : connect to the display unit CVBS (Video) socket using a CVBS (Video) cable (Supplied in USA).

• 525/625 Line selector switch

Before switching on the system, make sure that the Line Selector switch on the rear panel is set to the correct position for the display unit :

- 525 for NTSC
- 625 for PAL

Audio



- A. Sound reproduction via the display unit :
Connect the L and R Audio sockets to the L and R audio sockets on the display unit using the cable supplied (USA). Match the colours of the plugs and sockets. Note : When the RGB outlet is used, these connections are made through flying leads on the RGB cable.
- B. Sound reproduction via a HiFi stereo system :
Connect the L and R audio sockets to the CD, TV, AUX, Tuner or Tape In sockets of the audio amplifier using the cable supplied (USA). Match the colours of the plugs and sockets.

CAUTION: Do not connect to the amplifier Phono sockets.

- C. Headphone sound :
For individual listening, connect a headphone to the front panel socket.

Note. Connecting a headphone does not mute the loudspeaker sound. This must be done manually, on the display unit or HiFi system, if required.

Power Supply

- Fitting a power supply plug (UK only)

WARNING : THIS APPLIANCE MUST BE EARTHED.

If you have to fit a mains plug, proceed as follows :

The wires in the mains lead are coloured :

Green and Yellow-Earth Blue-Neutral Brown-Live

As these colours may not correspond with the colour markings identifying the terminals in your plug proceed as follows :

The wire which is coloured Green and Yellow must be connected to the terminal which is marked with the letter E or by the earth-symbol or coloured Green or Green and Yellow.

The Brown wire must be connected to the terminal which is marked with the letter L or coloured Red.

The Blue wire must be connected to the terminal which is marked with the letter N or coloured black.

Note - This apparatus must be protected by a 3 amp fuse if a 13 amp plug is used, or, if any other type of plug is used, by a 5 amp fuse either in the plug or adaptor, or at the distribution board. If in doubt consult a qualified electrician.

- Voltage Setting

Make sure that the Voltage Selector switch on the rear panel is set to the correct position :

100-120 V for the USA/JAPAN

220-240 V for Europe

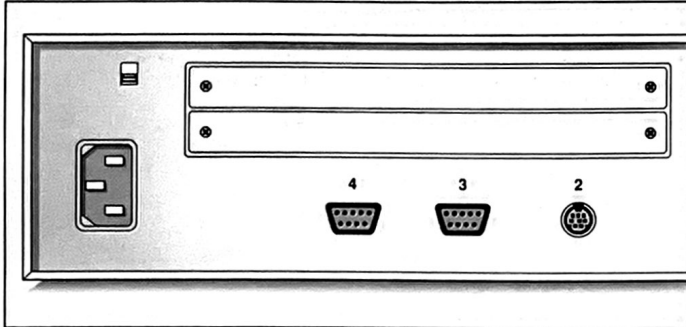
CAUTION: Do not connect power until this switch has been correctly set.

- Power Connection

Connect the power supply cable between the power connector on the rear panel and a power supply socket.

Pointing Device

The mouse supplied is generally suitable for all applications. Connect it to dedicated CD-I pointing device port 1 on the front panel or to general CD-I I/O port 2 on the rear panel.



CAUTION: For correct operation, connections to all I/O ports must be made with the power off.

Other Pointing Devices and Controllers

For some applications, other types of pointing devices, keyboards or controllers may be required. The types defined in the CD-I Pointing Devices and Keyboards specifications, which can be connected through the CD-I I/O ports 1 and 2, will usually suffice. For specific applications, however, the range of special devices that can be connected is virtually unlimited. For further information on this subject, please contact your national Philips organization.

A CD-I remote control (22ER 9050/00) can be used also for all point and click functions.

SYSTEM EXTENSION, COMMUNICATION AND INTERFACING

General CD-I I/O Port

CD-I I/O port 2 (Mini DIN 8-pin) on the rear panel can be used to connect a CD-I pointing device or keyboard. Depending on the application, other RS 232C based devices may also be connected to this port.

RS 232C Ports

I/O ports 3 and 4 (D-sub 9) on the rear panel can be used for general RS 232C based devices according to the application. Further information on this subject can be found in the CDI 601/602 Technical Manual.

Extension slots

Two extension slots are provided for fitting standard extensions and/or customized interface cards according to the application. Further information on this subject can be found in the CDI 601/602 Technical Manual. Installation instructions are supplied with the extension cards. For information relating to the supply of extension cards, please contact your national Philips organization.

INTERACTIVE OPERATION

In normal interactive operation, the mouse is used to select functions displayed on the display unit. Simply roll the mouse on a flat, smooth surface to point the cursor arrow on the screen to the required function, and then press one of the two action buttons. In general "one dot" to activate, "two dots" to call/remove the menu. The function is highlighted to confirm the selection.

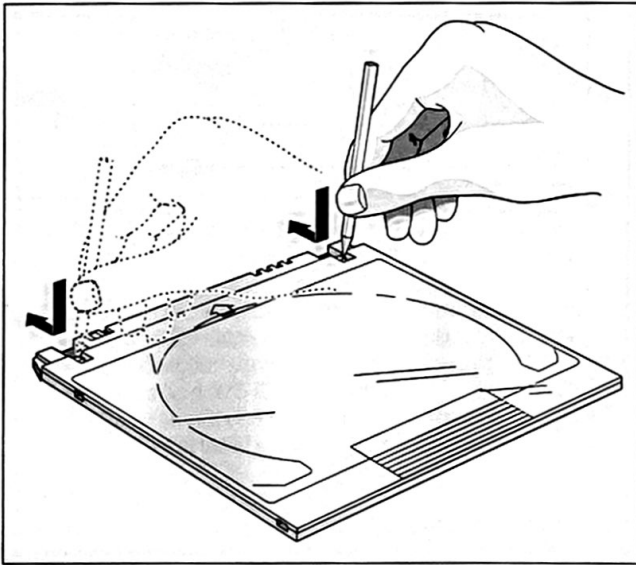
The disc caddy

All discs must be loaded and unloaded using a special protective caddy. Three caddies are supplied with the system.

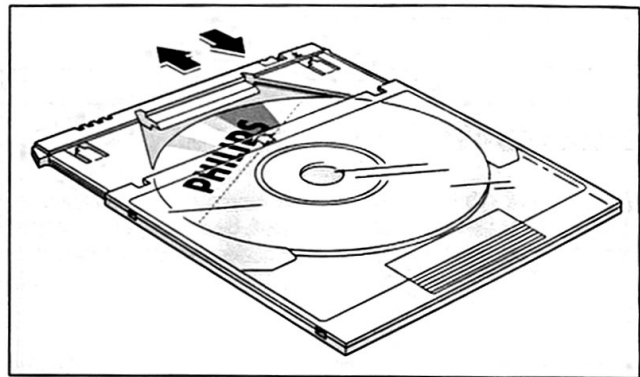
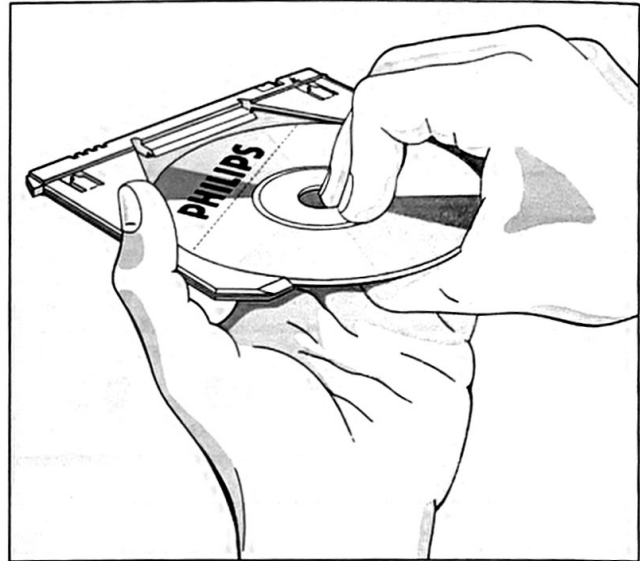
CAUTION: Never attempt to load a disc without a caddy: this is likely to damage the disc and will jam the loading mechanism.

Fitting a disc in the caddy

If necessary, remove the disc holder from the caddy by pushing the two disc holder latches downwards and outwards with a pointed implement such as a ball-point pen to release them, and then sliding the holder out of the caddy sleeve.

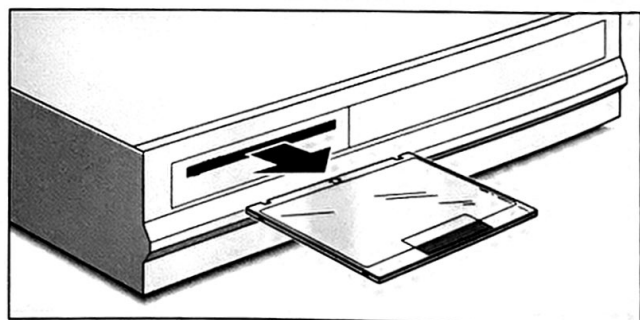
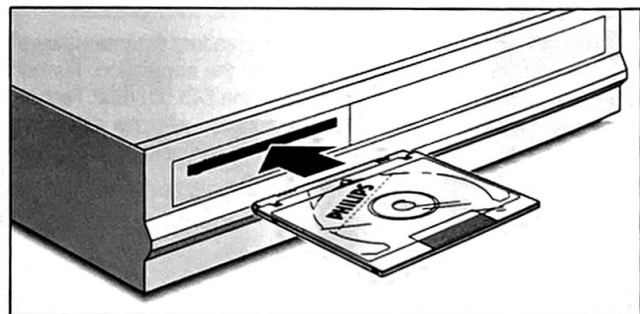


Hold the disc holder by the two arms with the small arrow mark on the rear edge facing upwards. Holding the disc by the centre with the label upwards, fit it into the locating grooves in the disc holder arms. Slide the disc holder back into the caddy sleeve.



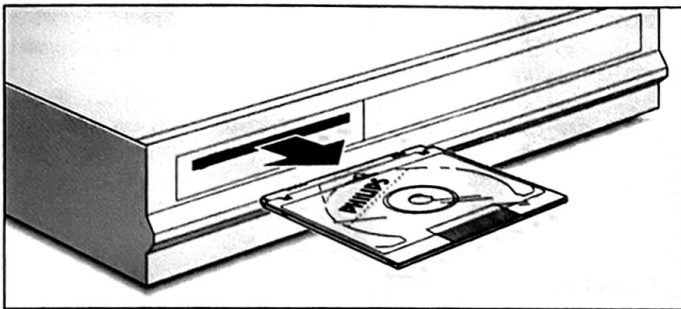
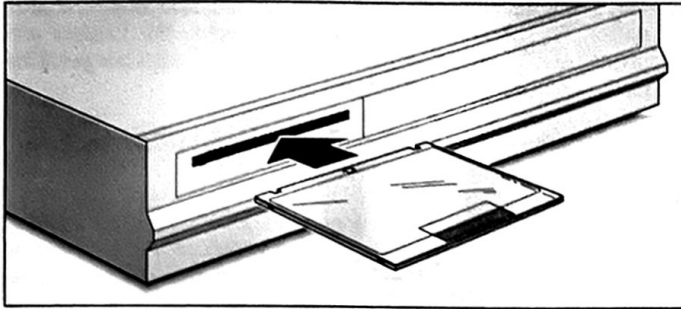
Loading a disc

Holding the caddy by the sleeve, with the small arrow mark on the rear edge facing upwards, push it fully into the loading slot, allow it to spring back about half an inch (10-15 mm), and then withdraw the sleeve; the disc and holder remain in the system.



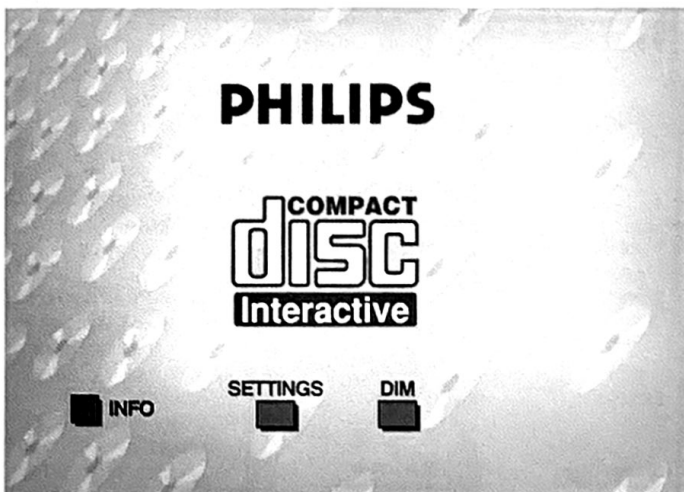
Unloading a disc

Unloading is the reverse of loading. Push an empty caddy sleeve fully into the loading slot, allow it to spring back about half an inch (10-15 mm), then withdraw the caddy complete with disc and holder.



Preparation

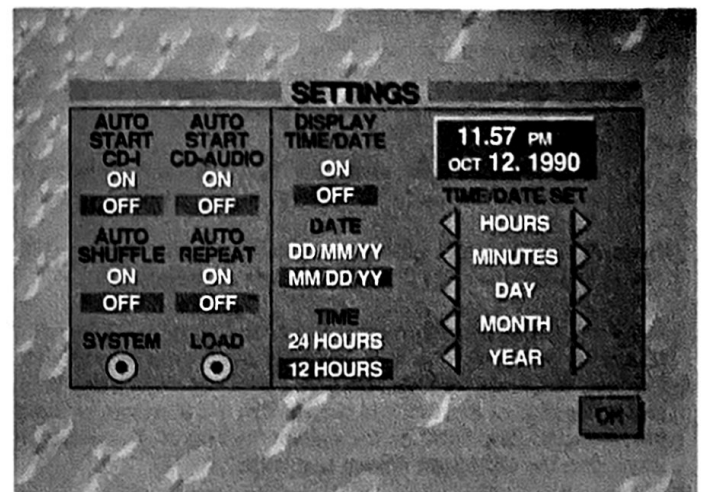
- Press the Power On/Off button on the front panel, and check that the Power On indicator lights.
Note. The "Reading Disc" indicator also flashes briefly.
- Switch on the display unit (and audio amplifier, if used)
- If necessary, select the correct input on the display unit (and audio amplifier, if used)
Note. Connecting a headphone does not mute the loudspeaker sound. This must be done manually, on the display unit or HiFi system, if required.
- On the display unit, the Start-up screen appears.



Start-up screen

- This screen has three system function icons. Select :
- SETTINGS to call up the Settings screen to preselect start-up conditions.
 - DIM to reduce the brightness of the displayed picture to prevent "burn-in".
 - INFO to call up the Info screen for help in case of difficulty.

The SETTINGS Screen



Setting screen

AUTO START CD-I, AUTO START CD-AUDIO*, AUTO SHUFFLE* and AUTO REPEAT*

For all these functions, select "ON" to activate the function automatically when a disc is loaded.

* These are CD-AUDIO functions.

SYSTEM

System only appears for special configurations or for service purposes when a terminal is connected. Selecting SYSTEM gives access to the operating system. For further information please refer to the CDI 601/602 Technical Manual.

LOAD (CDI 602 only)

Select LOAD if the system or application requires the use of a personal memory device such as the floppy disc drive for system configuration. For this purpose, specially formatted devices are defined by the application or available from your supplier.

DISPLAY TIME/DATE

Select ON to display the time and date in the Start-up and CD-Audio screens.

DATE

Select DD/MM/YY to present date in day-month-year sequence
Select MM/DD/YY to present date in month-day-year sequence

TIME

Select 24 HOURS or 12 HOURS clock

TIME/DATE SET

Select the ► and ◀ arrows to set Hours, Minutes, Day, Month and Year in turn, as required.

The DIM function

Selecting DIM reduces the brightness of the displayed picture. Selecting it a second time, or moving the cursor away from the icon, restores the normal brightness. Use DIM to avoid screen burn-in if long-duration still pictures such as the Start-up screen are to be displayed while the system is waiting to be used.

The INFO Screen

The INFO screen presents detailed guidance and advice about the user shell according to the point reached in the operating sequence. In cases of uncertainty or difficulty, consult this screen.

Running CD-I discs

- **Loading**
Load the disc using the caddy : on system front panel, the Reading Disc indicator flashes briefly, then lights continuously, and on the screen, the CD-I Start icon appears.
- **Program Start**
To start the CD-I program, select the Start icon on the screen, or press the Start/Play key ▷ on the system front panel.

Note. If AUTO START CD-I ON has been selected on the SETTINGS screen, the CD-I program will start automatically.

From this point, all interaction is between the user and the disc program. Whenever the disc is being read, the Reading Disc indicator flashes on the system front panel. To stop at any time, select the stop or exit function provided by the program, or press the Return to Zero ▷◁ on the system front panel. The disc then stops and the CD-I Start screen reappears.

- **Unloading**
Remove the disc using the caddy : on the system front panel, the Reading Disc indicator flashes briefly and then goes out, and on the display the Start-up screen reappears.
Note. The disc should not be unloaded while the CD-I program is running, unless the program asks for it.

In all stop modes shows the last track number played and its playing time. If another track in the play track bar is selected, shows track number and playing time. If the total tracks icon in the play track bar is selected, shows total number of tracks and total playing time.

2. CREATE PROGRAM Star for creating music programs.
 3. Play Track Bar shows up to 10 track number and total number of tracks. For discs with more than 10 tracks, the forward and reverse scroll arrows at the left and right of the track bar scroll the track numbers through the bar.
 4. PROGRAM icon for playing (previously created) music programs.
- **Disc play**
All the disc play control functions are shown on the screen, and can be selected as desired. The operation of the functions is briefly explained in the following table. For further guidance, consult the INFO screen.

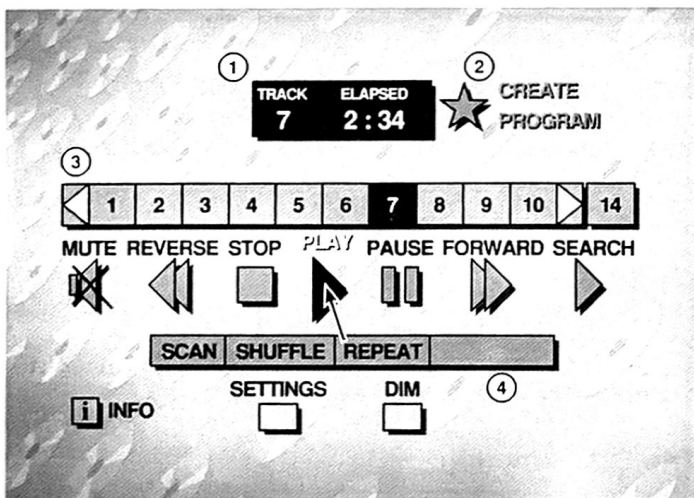
Note. if AUTO START CD-AUDIO ON, AUTO SHUFFLE ON or AUTO REPEAT ON have been selected on the SETTINGS screen, these functions are activated automatically.

Note. disc play can be started and stopped using the Start/Play ▷ and Return to Zero ▷◁ buttons on the system front panel respectively.

Playing CD-Audio discs

Note. This procedure can also be used for the digital audio tracks of 12 cm LaserDiscs.

- **Loading**
Load the disc using the caddy : on the system front panel, the Reading Disc indicator flashes briefly and then lights continuously, and on the display, the CD-Audio screen appears.



CD-Audio screen

1. **Track Time Window.**
2. **Program star for creating music program.**
3. **Play Track Bar.**
4. **Program icon (only after the music Program has been created)**

1. **Track/Time window :**
After loading shows total number of tracks and total playing time. In all play and pause modes shows track number and elapsed or remaining track playing time. To change between elapsed and remaining time, select the time in the window.

Operation	Select	Remarks
Start play	PLAY	Starts at the beginning of Track 1, or any other preselected track number.
Select a track	Track number	If the disc has more than 10 tracks, use scroll icons to move track numbers through the track bar as required.
Pause	PAUSE	Use to interrupt play.
Exit Pause	PAUSE or PLAY	Play restarts at exactly the same point as pause was selected.
Music Search	SEARCH	Searches forward through disc with sound.
Fast Forward	Search FORWARD	Searches rapidly forward through disc without sound.
Fast Reverse	Search REVERSE	Searches rapidly backwards through disc without sound.
Stop Play	STOP	The system memorizes the starting point of the track being played; if play is re-started, it begins at that point.
Mute the Sound	MUTE	When PLAY is selected, plays the beginning of each track on the disc in turn.
Restore the Sound	MUTE	
Scan the disc	SCAN	
Exit scan	SCAN	Play starts at the beginning of the track being scanned.
Shuffle play	SHUFFLE	Shuffle sequence appears in track bar.
Exit Shuffle	SHUFFLE	Repeats entire disc or created program.
Repeat	REPEAT	
Exit Repeat	REPEAT	Plays selected program of tracks. Note. only available when a program has already been created
Play Program	PROGRAM	

Operation	Select	Remarks
Create Program	CREATE PROGRAM Star	Program track bar appears above Play track bar, and cursor arrow changes to star. Point to tracks as required on the Play track bar, and in each case press one of the two action buttons two times to record the track in the Program track bar. To cancel an unwanted track, point to it in the Program track bar and press one of the two action buttons two times. To cancel the entire program, point to the first track in the Program track bar and press one of the two action buttons repeatedly until all the tracks in the Program track bar disappear.
Store Program	CREATE PROGRAM Star	Select the Program Star; the Program track bar disappears, the cursor reverts to the arrow, and the PROGRAM icon appears. If the disc is unloaded, the program is erased.

- Unloading
Select Stop if the disc is running, then remove the disc using the caddy : on the display the Start-up screen reappears.

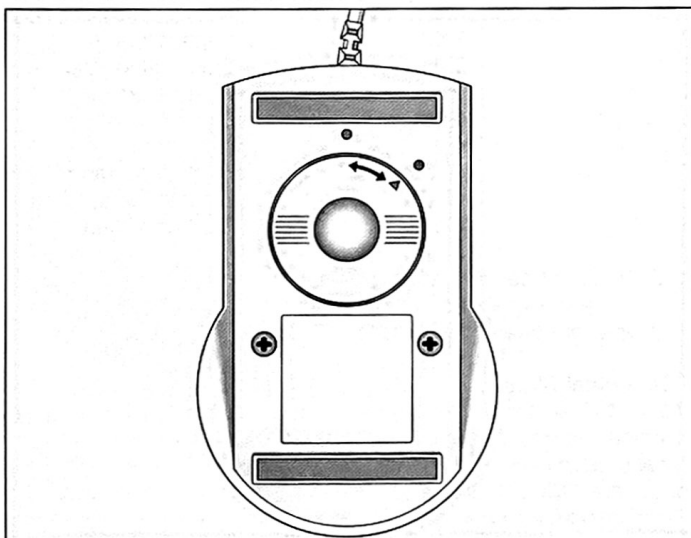
Switching off

- Press the Power On/Off button on the front panel, and check that the Power On indicator goes out.
Note. The "Reading Disc" indicator also flashes briefly.
- Switch off the display unit (and audio amplifier, if used)

CLEANING AND DISC CARE

Cleaning

- System : A chamois leather moistened with water is sufficient for cleaning the cabinet. Do not use cleaning agents containing alcohol, spirits, ammonia or abrasives.
- Mouse : Clean the mouse periodically as follows.
 1. Hold the mouse upside down in one hand with the cable pointing away from you.
 2. Using one finger on either side of the ball retainer on the bottom of the mouse, rotate the triangle mark anti-clockwise from one circle mark to the other.



3. Hold the free hand under the mouse to catch the retainer and ball, and then turn the mouse over.
4. Use only a clean, soft, dry cloth to wipe the ball clean. Never use cleaning fluid or tissue.
5. Gently wipe inside the mouse housing to remove dust or dirt.
6. Replace the ball in its housing, then re-insert the retainer and lock it by rotating the triangle mark clockwise from one circle mark to the other.

- Care of discs
Since the discs are fitted in caddies, it is not normally necessary to clean them unless dirt is suspected as a cause of faulty operation (See Before Requesting Service).
 - Never write on either side of a disc.
 - Never attach stickers to a disc.
 - Keep the playing surface clean. Use a soft lint-free cloth and always wipe the disc in a straight line from centre to edge.

CAUTION : Do not use cleaning agents for conventional records, detergents or abrasive cleaning agents for cleaning discs.

TECHNICAL DATA

AUDIO : L+R (Cinch connector) 2Vrms typical
10 kOhm.
Headphone (6mm Headphone socket)
8 Ohm-2 kOhm, 30 mW at 32 Ohm.
Manual volume control.

VIDEO : NTSC and PAL video out :
-RGB (D-sub 9 connector) .7 Vp-p into
75 Ohm. (.3 Vp-p into 75 Ohm sync)
-Y/C (Y/C connector) 1Vp-p into
75 Ohm.
-CVBS (Cinch connector) 1Vp-p into
75 Ohm.

CONTROL PORTS : Port 1 (mini DIN 8-pin connector) for
pointing device
Port 2 (mini DIN 8-pin connector) for
pointing device or CD-I keyboard.
Port 3 (D-sub 9 connector) for RS 232-C
based peripherals. Terminal port.
Port 4 (D-sub 9 connector) for RS 232-C
based peripherals.

EXTENSION SLOTS : Two general slots for system extensions
such as SCSI (hard disc), Ethernet,
Centronics port, additional memory
(1 or 2 Mbyte).
An extension slot can also be used to
add the Full-Motion Video function when
released.

**REMOTE CONTROL :
(OPTIONAL)** - Infra-red remote control handset
- Wired infra-red remoted control
receiver

MEMORY : 1 MByte RAM expandable via extension-
slots, 8 kB non volatile RAM, 3.5 inch
floppy disc drive (602 only) (personal
memory device, application support
etc.).

POWER SUPPLY : 100-120V or 220-240V +/- 10 %
50-60 Hz selectable.

POWER CONSUMPTION : approx. 40W (without extensions).

APPROVALS : FCC-b (excluding extensions), FCC-a
(including extensions), UL (1950).
Conforms with VDE (IEC 950), FTZ, CSA
C22.2 No.220m 1986, NORDIC,
US (CDRH) and German (DBD 1046)
Laser safety regulations.

DIMENSIONS : 420 x 90 x 400 mm/16.5 x 3.5 x 15.7
inch. (w x h x d).

WEIGHT : 7 kg/15.4 lbs.

3 B (Blue) analogue
4 CS (Composite sync.)
5 Mode control = RGB Status (H=RGB)
6 R-GND (Red Ground)
7 G-GND (Green Ground)
8 B-GND (Bleu Ground)
9 GND (System Ground)

Y/C output :

* Connector : Mini DIN 4 pin

* Pinning :

Pin	Signal
1	Gnd Y
2	Gnd C
3	Y
4	C

• I/O PORTS

Port 1

* Connector : Mini DIN 8 pin

* Pinning :

Pin	Signal	Description
1	n.c.	Not Connected
2	RXD	Received Data
3	TXD	Transmitted Data
4	DTR (*)	Data Terminal Ready
5	GND	Signal Ground
6	n.c.	Not Connected
7	RTS	Request To Send
8	+5V	Power supply for the device

Port 2

* Connector : Mini DIN 8 pin

* Pinning :

Pin	Signal	Description
1	n.c.	Not Connected
2	RXD	Received Data
3	TXD	Transmitted Data
4	DTR (*)	Data Terminal Ready
5	GND	Signal Ground
6	CTS	Clear to Send
7	RTS	Request to Send
8	+5V	Power supply for the device

Ports 3 & 4

* Connector : D-Sub 9 pin

* Pinning :

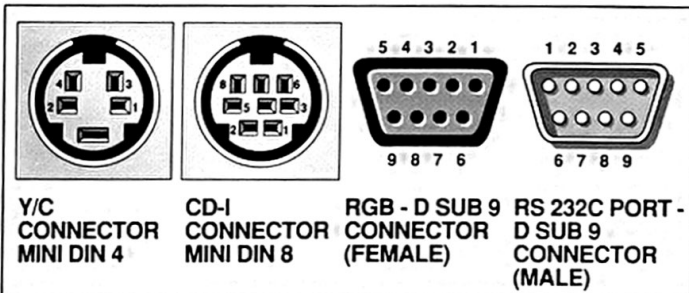
Pin	Signal	Description
1	n.c.	Not Connected
2	RXD	Received Data
3	TXD	Transmitted Data
4	n.c.	Not Connected
5	GND	Signal Ground
6	n.c.	Not Connected
7	RTS	Request to Send
8	CTS	Clear to Send
9	n.c.	Not Connected

(*) DTR cannot be used as an active handshake signal. It serves as a power supply for some input devices.

• Technical Manual

The Technical Manual mentioned in this User Manual is an extensive technical reference work for the CDI 601/602. It is useful for professional system integrators or application designers, but not important for general CDI 601/602 users. The Technical Manual is available in full or in part via your national Philips organization. Prices will be quoted on request.

Connector signals and pinning



• VIDEO

RGB output :

* Connector : D-Sub 9 pin

* Pinning :

Pin	Signal
1	R (Red) analogue
2	G (Green) analogue

BEFORE REQUESTING SERVICE

If it appears that the CD-I system is faulty, first consult this check list. It may be that something simple has been overlooked. Under no circumstances attempt to repair the system ; this will invalidate the warranty.

1. After pressing the Power On/Off button , the power indicator does not light.
 - The button was not pressed in sufficiently.
 - One of the plugs on the power cable is not connected or is not making contact.
 - There is no supply at the power socket. Plug in another electrical appliance and check if that works.
2. The caddy cannot be loaded into the caddy slot.
 - A disc is already loaded; unload it.
 - The caddy is being held upside down.
3. After loading, the Start up screen does not change.
 - The disc has been inserted upside down in the caddy disc holder.
 - The disc has become dirty. Try cleaning it or using another disc.
 - The disc is defective. Try another disc.
4. No video is being displayed.
 - The display unit is not switched on.
 - The video source selector on the display unit (if used) is incorrectly set.
 - The video connection is faulty.
 - The display unit is not working. If possible, check with another video source.
5. Video is being displayed, but there is no sound.
 - Mute is active.
 - The amplifier* is not switched on.
 - The amplifier* source selector is incorrectly set.
 - The amplifier* or the loudspeakers are not working. Check with another sound source.
 - The audio connections are faulty.

* If used
6. Distorted sound from the Stereo HiFi system.
 - Audio connections made by mistake to the Phono input.
7. The picture is rolling vertically and/or is only in black and white.
 - The 525/625 lines selector is incorrectly set.

Switch over and press the Return to Zero ▷0< key.
8. The cursor is not responding to the mouse.
 - Check the connection cable and press the Return to Zero ▷0< key.
9. The system does not respond or responds incorrectly, after taking out a disc.
 - Press the Return to ▷0< key.

REGISTRATION

For a legal description of this CD-I system, record the serial and model numbers in the spaces provided here. These numbers are located on the tab on the back of the system. Please attach your sales receipt to this manual and keep it near the system for quick reference.

PURCHASE DETAILS :

Date of Purchase :

Dealer Purchased From :

Dealer Phone No :

Model No :

Serial No :

Further information regarding this product can be obtained via your national Philips organization, or the address below :

Philips Consumer Electronics B.V.
Interactive Media Systems
P.O. Box 80002
5600 JB Eindhoven
The Netherlands

Statement in connection with FCC.

READ CAREFULLY

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A 'CLASS A' DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

This text replaces the information in connection with FCC Class B on page 6 of this manual.

Technical data on page 14 : Approvals : has to be FCC-a (excluding AND including extensions).

For units set at 117 V: use a UL listed cord set consisting of a minimum 18 AWG, type SVT or SJT three conductor cord a maximum of 15-feet in length and a parallel blade, grounding type attachment plug rated 15 A, 125 V.

For units set at 230 V (domestic use USA): use a UL listed cord set consisting of a minimum 18 AWG, type SVT or BJT three conductor cord a maximum of 15-feet in length and a tandem blade, grounding type attachment plug rated 15 A, 250 V.

For units set at 230 V (outside of USA): use a cord set consisting of a minimum 18 AWG cord and grounding type attachment plug rated 15 A, 250 V. The cord set should have the appropriate safety approvals for the country in which the equipment will be installed and marked HAR.

ERRATUM :

Page 14 : CONNECTOR SIGNALS AND PINNING

VIDEO

RGB output has to be :
* Connector : D-Sub 9 pin
* Pinning :

PIN	SIGNAL
1	GROUND
2	GROUND
3	RED (ANALOGUE)
4	GREEN (ANALOGUE)
5	BLUE (ANALOGUE)
6	MODE CONTROL = RGB STATUS (H=RGB)
7	COMPOSITE SYNC
8	RESERVED (H. SYNC)
9	RESERVED (V. SYNC)

!! CHANGED !!

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