

SONY

EBG
Electronic Book

3-754-001-21 (1)

WARNING

Electronic Book Player

DD-1EX

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

DATA Discman

Owner's Record

The model number and the serial number are located at the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. DD-1EX

Serial No. _____

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet, Refer servicing to qualified personnel only.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the 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 equipment with respect to the receiver
- Move the equipment away from the receiver
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer to an experienced radio/television technician for additional suggestions. 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. 004-000-00345-4.

CAUTION

The use of optical instruments with this product will increase eye hazard.

Table of Contents

Before You Begin

How to Use This Manual	6
What is an Electronic Book?	7
What is the Electronic Book Player?	7
What You Can Do with the Electronic Book Player	7

Getting Started

Unpacking	10
Locating the Controls	11
Choosing a Power Source	13
Using the Current in Your Home or Office	13
Using the Rechargeable Battery Pack	14
Using Batteries	18
Using the Electronic Book Player in Your Car	20
Connecting the Electronic Book Player to Your TV	21

Using the Electronic Book Player

Inserting an Electronic Book	24
Playing an Electronic Book	26
Stopping Play	27
Adjusting the Contrast	27
Using the Display Light	28
Locking the Controls	28
Playing a Compact Disc	29
Looking at the Display	31
Searching for the Selections on the Disc	32
Searching for a Desired Point	32
Using the Various Play Modes	32

Additional Information

Precautions	34
For the Electronic Book Player	34
For the Electronic Books and the Compact Discs	36
Maintenance	37
For the Electronic Book Player	37
For the Electronic Books and the Compact Discs	38
Troubleshooting	39
When the Error Message Appears	40
If the Player Does Not Operate	41
Specifications	42
Index	44

1	Introduction
2	Chapter I: The History of the Book
3	Chapter II: The Structure of the Book
4	Chapter III: The Language of the Book
5	Chapter IV: The Illustrations of the Book
6	Chapter V: The Bibliography of the Book
7	Chapter VI: The Index of the Book
8	Chapter VII: The Appendix of the Book
9	Chapter VIII: The Glossary of the Book
10	Chapter IX: The Notes of the Book
11	Chapter X: The References of the Book
12	Chapter XI: The Acknowledgments of the Book
13	Chapter XII: The Dedication of the Book
14	Chapter XIII: The Preface of the Book
15	Chapter XIV: The Epilogue of the Book
16	Chapter XV: The Conclusion of the Book
17	Chapter XVI: The Epilogue of the Book
18	Chapter XVII: The Acknowledgments of the Book
19	Chapter XVIII: The Dedication of the Book
20	Chapter XIX: The Preface of the Book
21	Chapter XX: The Epilogue of the Book
22	Chapter XXI: The Conclusion of the Book
23	Chapter XXII: The Epilogue of the Book
24	Chapter XXIII: The Acknowledgments of the Book
25	Chapter XXIV: The Dedication of the Book
26	Chapter XXV: The Preface of the Book
27	Chapter XXVI: The Epilogue of the Book
28	Chapter XXVII: The Conclusion of the Book
29	Chapter XXVIII: The Epilogue of the Book
30	Chapter XXIX: The Acknowledgments of the Book
31	Chapter XXX: The Dedication of the Book
32	Chapter XXXI: The Preface of the Book
33	Chapter XXXII: The Epilogue of the Book
34	Chapter XXXIII: The Conclusion of the Book
35	Chapter XXXIV: The Epilogue of the Book
36	Chapter XXXV: The Acknowledgments of the Book
37	Chapter XXXVI: The Dedication of the Book
38	Chapter XXXVII: The Preface of the Book
39	Chapter XXXVIII: The Epilogue of the Book
40	Chapter XXXIX: The Conclusion of the Book
41	Chapter XL: The Epilogue of the Book
42	Chapter XLI: The Acknowledgments of the Book
43	Chapter XLII: The Dedication of the Book
44	Chapter XLIII: The Preface of the Book
45	Chapter XLIV: The Epilogue of the Book
46	Chapter XLV: The Conclusion of the Book
47	Chapter XLVI: The Epilogue of the Book
48	Chapter XLVII: The Acknowledgments of the Book
49	Chapter XLVIII: The Dedication of the Book
50	Chapter XLIX: The Preface of the Book
51	Chapter L: The Epilogue of the Book
52	Chapter LI: The Conclusion of the Book
53	Chapter LII: The Epilogue of the Book
54	Chapter LIII: The Acknowledgments of the Book
55	Chapter LIV: The Dedication of the Book
56	Chapter LV: The Preface of the Book
57	Chapter LVI: The Epilogue of the Book
58	Chapter LVII: The Conclusion of the Book
59	Chapter LVIII: The Epilogue of the Book
60	Chapter LIX: The Acknowledgments of the Book
61	Chapter LX: The Dedication of the Book
62	Chapter LXI: The Preface of the Book
63	Chapter LXII: The Epilogue of the Book
64	Chapter LXIII: The Conclusion of the Book
65	Chapter LXIV: The Epilogue of the Book
66	Chapter LXV: The Acknowledgments of the Book
67	Chapter LXVI: The Dedication of the Book
68	Chapter LXVII: The Preface of the Book
69	Chapter LXVIII: The Epilogue of the Book
70	Chapter LXIX: The Conclusion of the Book
71	Chapter LXX: The Epilogue of the Book
72	Chapter LXXI: The Acknowledgments of the Book
73	Chapter LXXII: The Dedication of the Book
74	Chapter LXXIII: The Preface of the Book
75	Chapter LXXIV: The Epilogue of the Book
76	Chapter LXXV: The Conclusion of the Book
77	Chapter LXXVI: The Epilogue of the Book
78	Chapter LXXVII: The Acknowledgments of the Book
79	Chapter LXXVIII: The Dedication of the Book
80	Chapter LXXIX: The Preface of the Book
81	Chapter LXXX: The Epilogue of the Book
82	Chapter LXXXI: The Conclusion of the Book
83	Chapter LXXXII: The Epilogue of the Book
84	Chapter LXXXIII: The Acknowledgments of the Book
85	Chapter LXXXIV: The Dedication of the Book
86	Chapter LXXXV: The Preface of the Book
87	Chapter LXXXVI: The Epilogue of the Book
88	Chapter LXXXVII: The Conclusion of the Book
89	Chapter LXXXVIII: The Epilogue of the Book
90	Chapter LXXXIX: The Acknowledgments of the Book
91	Chapter LXXXX: The Dedication of the Book
92	Chapter LXXXXI: The Preface of the Book
93	Chapter LXXXXII: The Epilogue of the Book
94	Chapter LXXXXIII: The Conclusion of the Book
95	Chapter LXXXXIV: The Epilogue of the Book
96	Chapter LXXXXV: The Acknowledgments of the Book
97	Chapter LXXXXVI: The Dedication of the Book
98	Chapter LXXXXVII: The Preface of the Book
99	Chapter LXXXXVIII: The Epilogue of the Book
100	Chapter LXXXXIX: The Conclusion of the Book

How to Use This Handbook

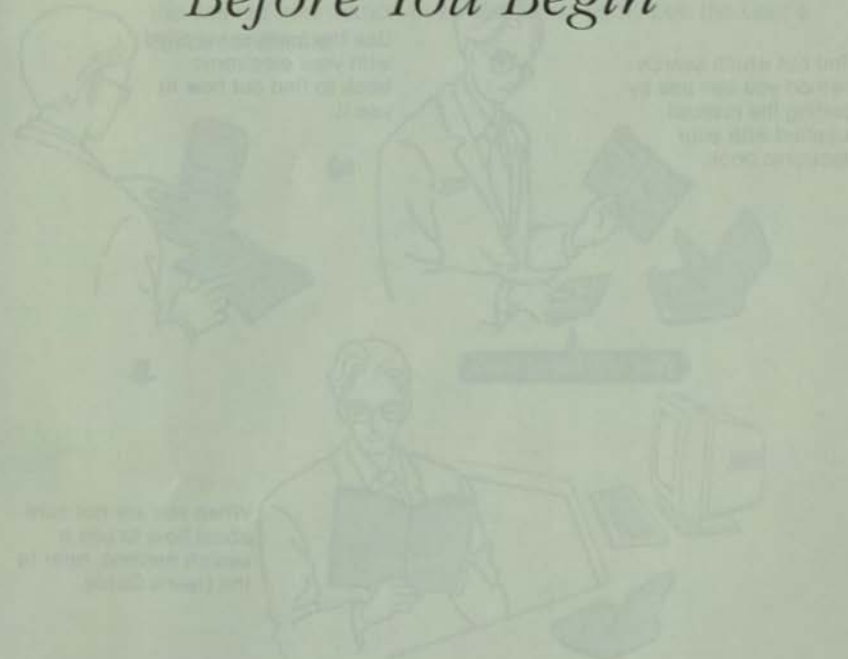
...

...

...

...

Before You Begin



How to Use This Manual

This manual is intended for users of the DD-1EX Electronic Book Player. There are two manuals that are supplied with this electronic book player:

- 1) Operating Instructions, and
- 2) User's Guide.

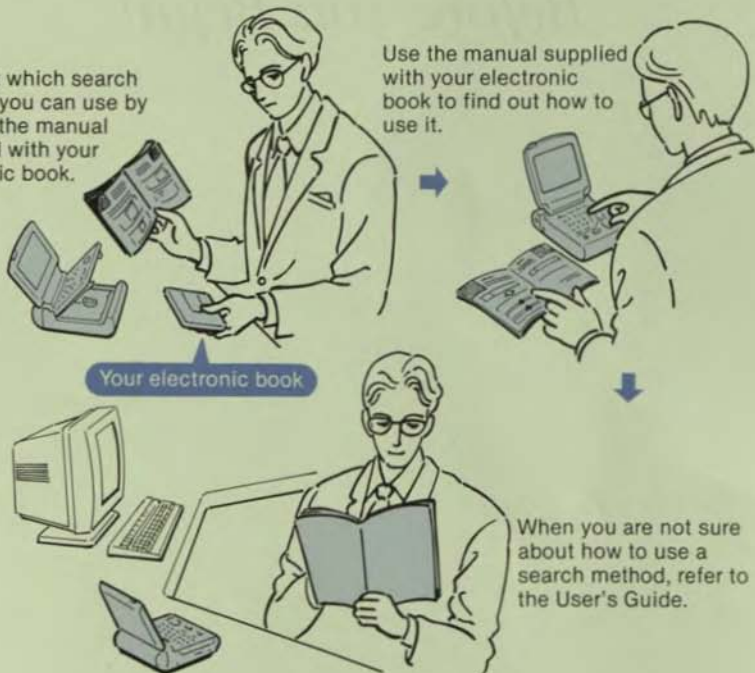
Operating Instructions (this manual)

This manual explains how to set up the electronic book player. Read this manual when using the electronic book player for the first time.

User's Guide...How to Search for Articles in Your Electronic Book

This manual uses the supplied electronic book as a model when explaining the different ways to retrieve information from an electronic book. Use it as a reference when you do not know how to search for articles in the electronic book. Commercially available electronic books have their own manuals. Therefore, learn more about electronic book(s) you will use, by reading the manual when you buy it.

Find out which search method you can use by reading the manual supplied with your electronic book.



Use the manual supplied with your electronic book to find out how to use it.

When you are not sure about how to use a search method, refer to the User's Guide.

What is an Electronic Book?

An electronic book is an 8 cm (3 inch) CD-ROM (Compact Disc – Read Only Memory). It is a device used to store information, such as text, pictures, etc., just like an ordinary book.

The electronic book caddy is specially designed to hold and protect the data on the CD-ROM.

What is the Electronic Book Player?

When you read a regular book, all you have to do is open the book and flip through the pages. To read an electronic book, you need a special device to read and visually display information. The device you need is called the Electronic Book Player.

What You Can Do with the Electronic Book Player

With the electronic book player, you can search for articles in an electronic book. Several methods, such as Word Search, Keyword Search, Menu Search, etc., are available to search for the desired information in an electronic book. See the User's Guide for details.

What is an Electronic Book?

A digital book is a book that is stored in a digital format. It can be read on a computer, a tablet, or a smartphone. The text is converted into a digital format that can be stored and accessed electronically. This allows for easy distribution and access to a wide range of books.

What is the Electronic Book Player?

The electronic book player is the software that allows you to read digital books. It is typically installed on a computer or a dedicated device. The player handles the formatting of the text and provides a user interface for navigating through the book's content.

What You Can Do with the Electronic Book Player

With the electronic book player, you can do a variety of things. You can search for books, download them, and read them. You can also adjust the font size, background color, and other settings to make reading more comfortable. Some players even offer features like highlighting and note-taking.

When you receive the printer, you will find the printer, the power cord, the printer cable, the printer software, and the printer manual. The printer is packed in a protective case. The power cord and printer cable are packed in a separate bag. The printer software and manual are packed in a separate bag.



Getting Started

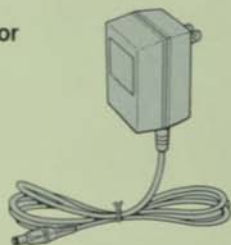


- 1. Unpack the printer from the shipping case.
- 2. Connect the printer to the computer.
- 3. Connect the printer to the power source.
- 4. Install the printer software.
- 5. Print a test page.
- 6. Read the printer manual.
- 7. Troubleshoot any problems.
- 8. Contact technical support if needed.
- 9. Dispose of the shipping materials properly.
- 10. Save the printer manual for future reference.

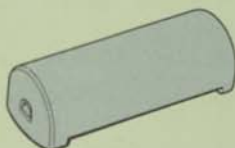
Unpacking

When you unpack the electronic book player, make sure the following accessories are included:

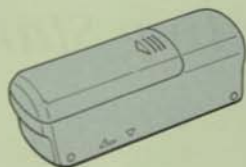
AC power adaptor
(see page 13)



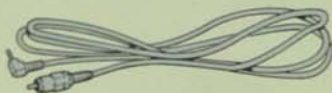
Rechargeable battery pack
(see page 14)



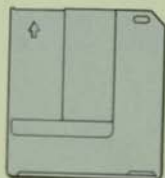
Battery case
(see page 18)



Video connecting cord
(see page 21)

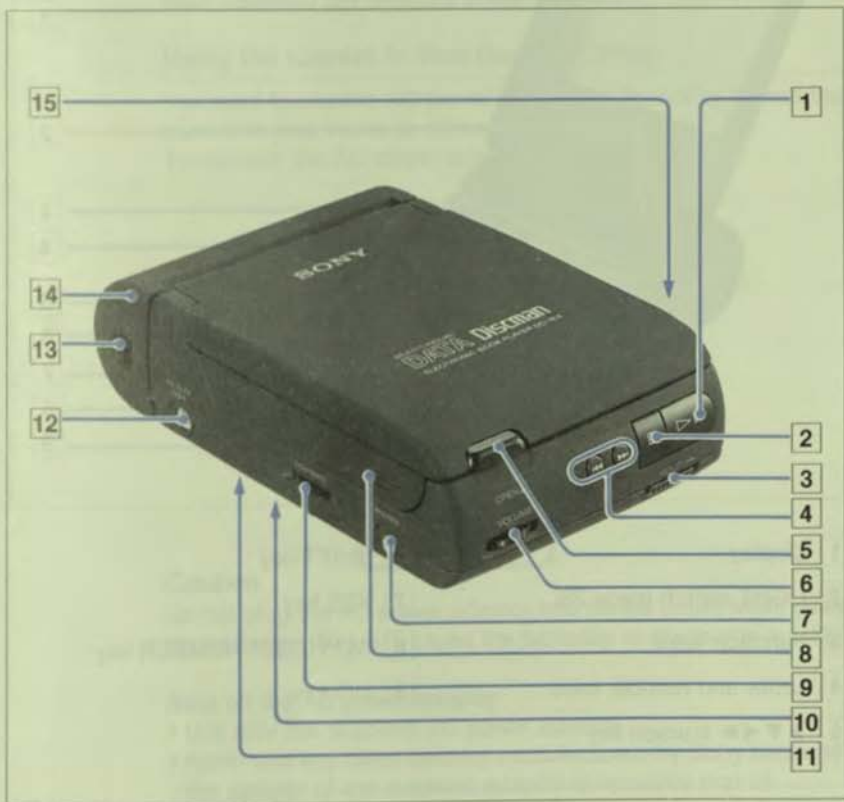


Electronic book(s)
(see page 24)



Locating the Controls

This section describes the location of the controls. Refer to the pages indicated to learn how to operate the controls. To learn how to operate the keyboard, refer to the User's Guide.



1 **▶||** (POWER ON) button (page 26)

2 **■** (OFF) button (page 27)

3 **HOLD** switch (page 28)

4 **|◀◀▶▶|** buttons (page 32)

5 **OPEN ▲** button (page 24)

6 **VOLUME** control (page 31)

7 **PHONES** jack (page 30)

8 **Tab** (page 24)

9 **CONTRAST** control (page 27)

10 **TV select** switch (page 21)

11 **Reset** switch (page 41)

12 **DC IN 9V** jack (pages 13 and 20)

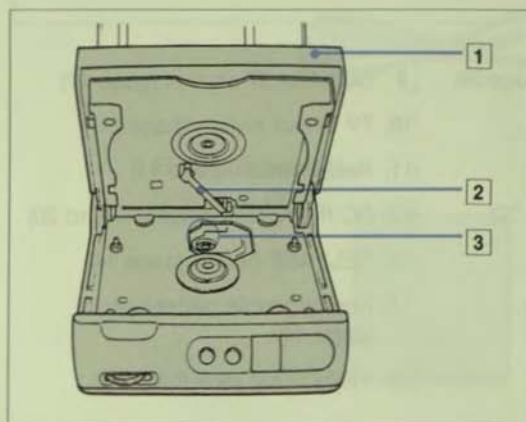
13 **RELEASE** button (page 14)

14 **Rechargeable battery pack**
(page 14)

15 **VIDEO OUT** jack (page 21)



- | | |
|--------------------------|-----------------------|
| 1 Display | 6 SHIFT key |
| 2 LIGHT switch (page 28) | 7 YES key |
| 3 Function keys | 8 ALPHABET/NUMBER key |
| 4 Letter and number keys | 9 NO key |
| 5 ▲▼◀▶ (cursor) key | |



- | |
|------------------------|
| 1 Disc compartment lid |
| 2 Open lever |
| 3 Lens (page 37) |

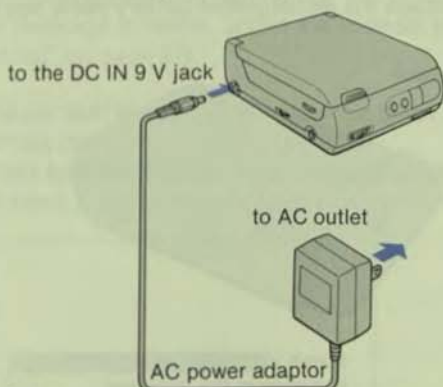
Choosing a Power Source

The electronic book player can be used with various power sources, such as with the current in your home or office, the rechargeable battery pack, batteries or a car battery. Read the information that follows to learn how to connect the electronic book player to the different power sources.

Using the Current in Your Home or Office

You need to use the AC power adaptor (supplied) to access the current in your home or office.

To connect the AC power adaptor, see the illustration.

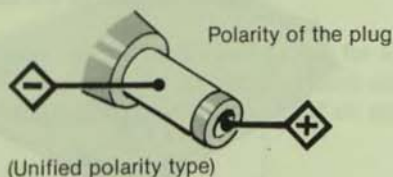


Caution

Do not plug the AC power adaptor into an AC outlet while using dry batteries. This will cause the batteries to discharge quickly.

Note on the AC power adaptor


- Use only the supplied AC power adaptor.
- Never use any other adaptor manufactured by Sony because the polarity of the supplied adaptor is opposite that of conventional adaptors.



Using the Rechargeable Battery Pack

To use the rechargeable battery pack (supplied), see the information below.

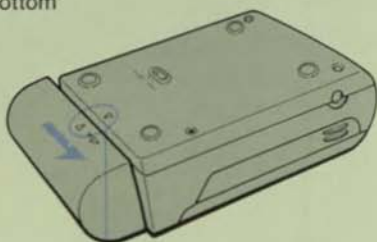
When the rechargeable battery pack should be charged

The rechargeable battery pack should be fully charged when using it for the first time or you see the flashing  mark in the lower right corner of the display.

Attaching the rechargeable battery pack

To attach the rechargeable battery pack, see the illustration.

Bottom

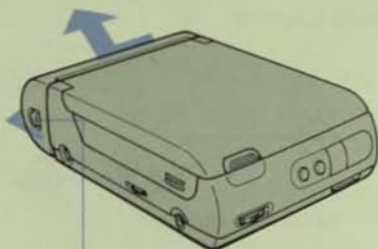


Match the marks (▶◀) and slide in the direction of the arrow.

Removing the rechargeable battery pack

To remove the rechargeable battery pack, see the illustration.

Press and hold down the **RELEASE** button in the direction of the arrow, and remove the pack.



RELEASE button

Charging the rechargeable battery pack

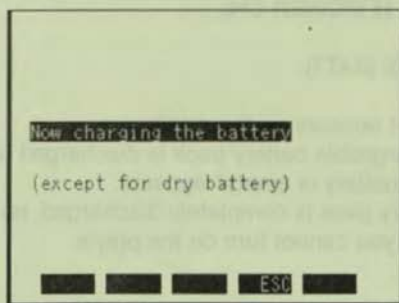
To charge the rechargeable battery pack, follow this procedure:

- 1 Attach the rechargeable battery pack to the player.
- 2 Connect the AC power adaptor (refer to "Using the Current in Your Home or Office" on page 13).
- 3 Press ►|| (POWER ON).

A message appears on the display.

If no message is visible, adjust the contrast (see "Adjusting the Contrast" on page 27).

- 4 When "BATT" appears in the center black box at the bottom of the display, press (F3).
Wait for the message "Now charging the battery" to appear. It takes about five hours to charge completely.



After charging, "Charge complete" appears on the display. The battery pack is ready to use.

- 5 Disconnect the AC power adaptor.

The rechargeable battery pack usually lasts for about 2.5 hours when it is fully charged, and for about 2 hours when the display light is used (see "Using the Display Light" on page 28).

Notes

- When recharging the fully discharged battery pack, the message "Cannot charge the battery" appears on the display. But the message "Now charging the battery" appears soon after connecting the AC power adaptor.
- Pressing ■ (OFF) or opening the disc compartment lid of the player does not interrupt charging.

To operate the player while charging

Press (NO) or (F4) (ESC).

To stop charging the battery pack

Disconnect the AC power adaptor.

Checking the amount of remaining power

To check the amount of remaining power in the battery pack, follow this procedure:

- 1 Disconnect the AC power adaptor.
- 2 Press ►|| (POWER ON).
- 3 Press (F3) (BATT).

The amount appears on the display.


If the rechargeable battery pack is discharged under a certain level, "The battery is empty" appears.

If the battery pack is completely discharged, no message appears or you cannot turn on the player.

Battery life

Buy a new BP-45 rechargeable battery pack when you see that the operating time is reduced to about half of the normal time when a fully charged battery pack is used.

Notes on charging

- Be sure to use the supplied AC power adaptor when charging the battery pack.
- When you disconnect the AC power adaptor while charging the battery pack, the existing amount of power is displayed. However, the precise amount is not displayed due to conditions of temperature, usage, etc. Therefore, allow the battery pack to fully charge for at least five hours.
- The battery life of the battery pack will be significantly reduced if you regularly recharge the pack before it has been completely discharged. We recommend that you recharge the battery pack when the flashing  mark appears in the lower right of the display.

Notes on the rechargeable battery pack

- Store the battery pack at a temperature between 5°C (41°F) and 35°C (95°F) for best performance.
- Keep the battery pack away from fire.
- Do not short-circuit the battery terminals.
- Do not disassemble the battery pack.

How to charge the battery pack

1. Connect the AC power adaptor to the battery pack and the power source. The battery pack will start to charge.

2. The battery pack will be fully charged when the battery icon in the display is fully lit.



How to attach the battery pack



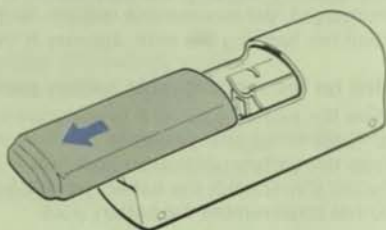
3. Attach the battery pack to the device. The battery pack will be fully charged when the battery icon in the display is fully lit.

Using Batteries

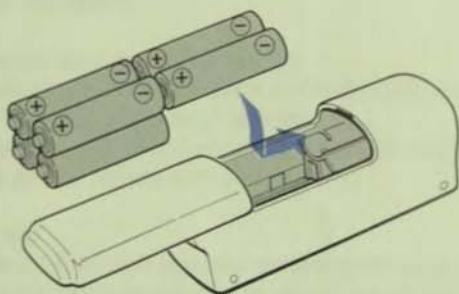
To operate the electronic book player with batteries, you need six size AA (LR6) batteries (not supplied) and the supplied battery case.

To use the dry batteries, follow this procedure:

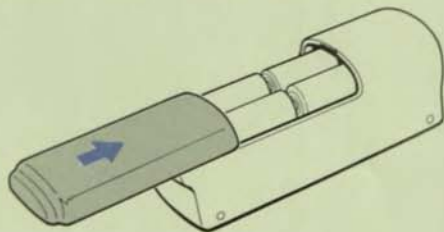
- 1 Open the lid of the battery case.



- 2 Install the batteries into the battery case with the correct polarity.



- 3 Close the lid of the battery case.



- 4 Attach the battery case (refer to "Attaching the rechargeable battery pack" on page 14).

The batteries usually last for about six hours, and for about five hours when the display light is used (see "Using the Display Light" on page 28).

To check the amount of remaining power

Refer to "Checking the amount of remaining power" on page 16.

To remove the battery case

Refer to "Removing the rechargeable battery pack" on page 14.

Caution

You cannot recharge batteries with the AC power adaptor.

Notes on the dry batteries

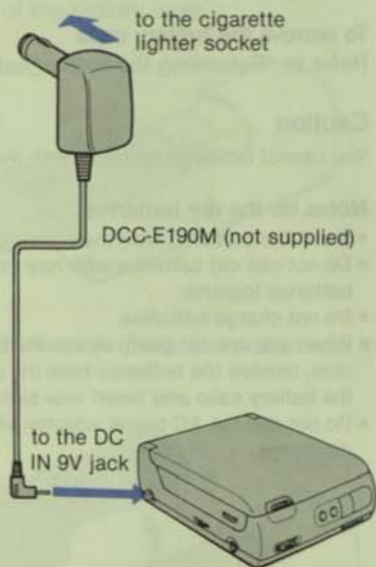
- Insert the batteries with the correct polarity.
- Do not use old batteries with new ones or different types of batteries together.
- Do not charge batteries.
- When you are not going to use the electronic book player for a long time, remove the batteries from the player. If a battery leaks, clean the battery case and insert new batteries.
- Do not use the AC power adaptor while using batteries; they may discharge.

Choosing a Power Source

Using the Electronic Book Player in Your Car

To use the electronic book player in your car with power from the car battery, you need the DCC-E190M car battery cord (not supplied).

To connect the car battery cord, see the illustration.



Note

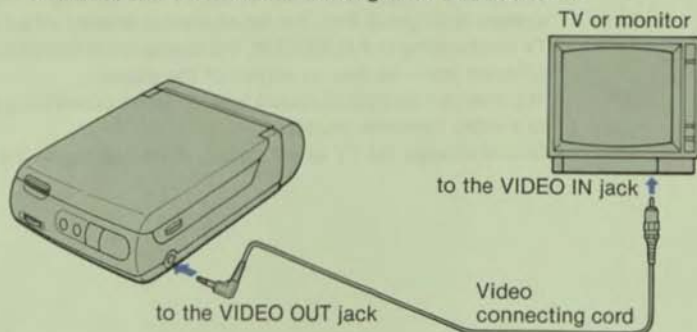
Disconnect the cord from the cigarette lighter socket when you are not using the player. Otherwise, the car battery may be discharged.

Connecting the Electronic Book Player to Your TV

Use the video connecting cord (supplied) to connect the electronic book player to your TV or a monitor. The TV or monitor must have a VIDEO IN jack in order to view the display of the player on the screen.

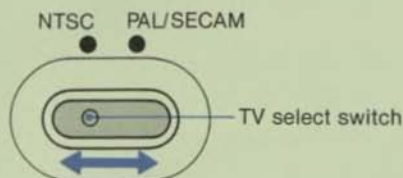
To connect the electronic book player to your TV or monitor, follow this procedure:

- 1 Connect the video connecting cord as illustrated.



- 2 Set the TV select switch with a pointed device such as a pen. See the table below to select the correct position of the switch.

If you have bought the TV in	Set to
USA	NTSC
Europe	PAL/SECAM



Notes on using a TV or monitor

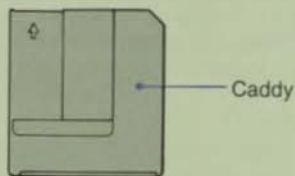
- The contrast on the liquid crystal display screen may change if you connect or disconnect the cord from the VIDEO OUT jack while operating the player. If this happens, adjust the contrast on the liquid crystal display screen by adjusting the CONTRAST control on the player. See "Adjusting the Contrast" on page 27.
- When the displayed information changes, the screen may flutter. This is not a malfunction.
- The ratio of length and width of the TV conforming to PAL/SECAM system is different from the liquid crystal display. When using the TV conforming to PAL/SECAM, the displayed information may look different from the display screen of the player.
- You may not be able to record a video when connecting the player to a video cassette recorder.
- Do not change the TV select switch while turning on the player.

Using the Electronic Book Player

Inserting an Electronic Book

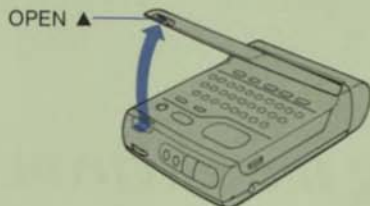
All electronic books are protected by a caddy as illustrated below.

Use the electronic book with this caddy.

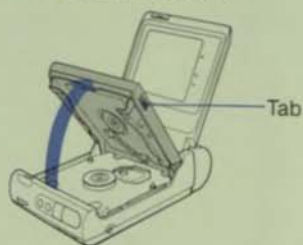


To insert the electronic book (with caddy) into the electronic book player, follow this procedure:

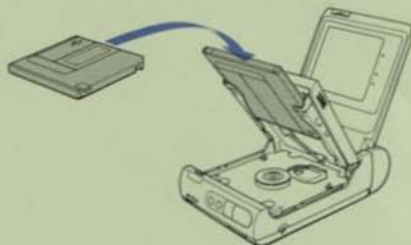
- 1 Press OPEN ▲ and lift the cover.



- 2 Hold both tabs on each side of the player and lift the disc compartment lid until it stops.



- 3 Insert the electronic book into the slot with the label side of the caddy facing up.



- 4 Push the electronic book into the slot until you hear a slight click. Push the left side of the caddy down into the slot where "PUSH Electronic Book" is printed. Do not hold the shutter while you are pushing the electronic book.



- 5 Make sure that the shutter is completely open. Gently hold both tabs on each side of the player and close the disc compartment lid.



Closing the disc compartment lid properly

Do not force the disc compartment lid to shut.

When the disc compartment lid does not close properly, it means that the caddy is not inserted correctly. The following may be the cause:

- The disc compartment lid was not opened enough when the caddy was inserted.
- The shutter of the caddy did not open when the caddy was inserted.

When the disc compartment lid does not close properly, lift the lid and remove the caddy, and re-insert the caddy.

Removing the electronic book

To remove the electronic book from the player, hold both tabs on each side, and lift the disc compartment lid.

The caddy automatically pops out of the slot.



Playing an Electronic Book

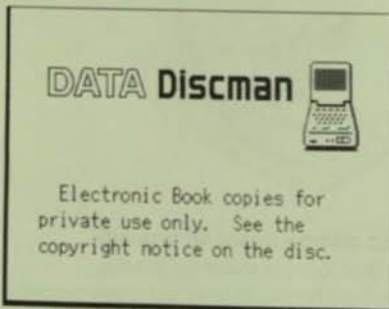
To play an electronic book:

Press ►|| (POWER ON) to turn on the power.



►|| (POWER ON)

An opening message appears on the display.



Starting a search

Refer to the manual supplied with the electronic book.

When you are not sure how to perform the search method explained in the manual supplied with the electronic book you are using, refer to the User's Guide supplied with the electronic book player.

Stopping Play

To stop playing an electronic book, follow this procedure:

- 1 Press ■ (OFF).



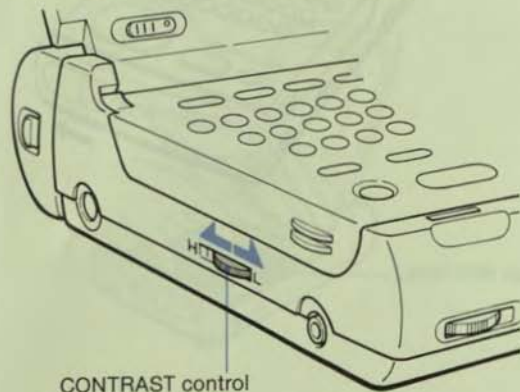
- 2 Remove the electronic book from the player.
See "Removing the electronic book" on page 25.

Note

If you do not operate the player for about 20 minutes while using the rechargeable battery pack or batteries, the player automatically turns off to save the power of the battery.

Adjusting the Contrast

Adjust the contrast of the display with the CONTRAST control. Moving the control towards the H makes the screen darker, towards the L makes the screen lighter.



Using the Display Light

Use the display light to view the display more clearly. Remember, the rechargeable battery and the batteries are discharged more quickly when the display light is used.

To use the display light

Slide the LIGHT switch to ON.



Locking the Controls

The HOLD switch allows you to lock the controls after you have set them. It is convenient to use when you:

- carry the player.
- listen to a compact disc in an unstable environment.

To lock the controls

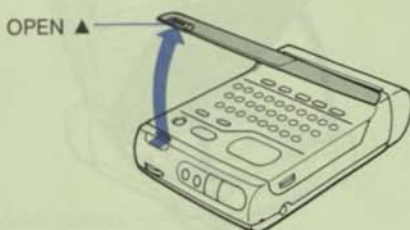
Slide the HOLD switch in the direction of the arrow. The orange dot indicates the controls are locked.



Playing a Compact Disc

The electronic book player is capable of playing a compact disc (CD) single audio disc. To play a disc, follow this procedure:

- 1 Press OPEN ▲ and lift the cover.



- 2 Hold both tabs on each side of the electronic book player, and lift the disc compartment lid until it stops.



- 3 Insert the disc into the electronic book player by placing the disc on the rotation in the player.

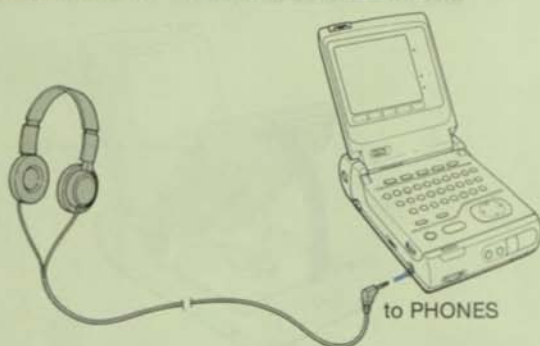


(Continued)

- 4 Close the disc compartment lid by holding both tabs on each side of the player.



- 5 Plug the headphones into the PHONES jack.



- 6 Press ►|| (POWER ON).



7 Adjust the volume with the VOLUME control.



VOLUME control

To stop play

Press ■.

To interrupt play

Press ►||.

"PAUSE" appears on the display screen.

To resume play

Press ►|| again.

Looking at the Display

While playing a disc, the information about the disc can be seen on the display screen.

DATA Discman				
TRACK	min	sec		
TOTAL	04	17	29	Number of total tracks and total time
PAUSE	01	00	54	Track number being played and elapsed time
MODE	NORMAL			Play mode
◀◀ ▶▶		BATT	■■■■	MODE

Searching for the Selections on the Disc

Refer to the following table to learn how to search for the selections while playing the disc.

To search for	Press
The next selection	▶▶ Each time you press ▶▶ , you can search for one selection after the other.
The beginning of the selection being played	◀◀
The previous selection	◀◀ twice Each time you press ◀◀, you can search for previous selections one after the other.

Searching for a Desired Point

Refer to the following table to learn how to search for a desired point on the disc while playing the disc.

To search for a desired point	Press and hold
Forward	(F2) (▶▶)
Backward	(F1) (◀◀)

Using the Various Play Modes

Use the following play modes while playing the disc.

To use the play modes, press (F5). Each time you press (F5), the mode changes as follows:

Play mode

NORMAL → 1 REPEAT → ALL REPEAT
↑ SHUFFLE REPEAT ←

- To repeat play a particular selection...1 REPEAT
- To repeat play all the selections...ALL REPEAT
- To repeat play all the selections in a random order...SHUFFLE REPEAT

The section describes the precautions and the instructions which you should follow when using the electronic book player. Please use common sense when using the electronic book player and do not use it in a way which is not intended.

For the Electronic Book Player

On safety
 The device is made of plastic and should not be used in the presence of fire or other heat sources. Do not use the device for the display of text.

The device is made of plastic and should not be used in the presence of fire or other heat sources. Do not use the device for the display of text.



The device is made of plastic and should not be used in the presence of fire or other heat sources. Do not use the device for the display of text.

Additional Information

The device is made of plastic and should not be used in the presence of fire or other heat sources. Do not use the device for the display of text.

The device is made of plastic and should not be used in the presence of fire or other heat sources. Do not use the device for the display of text.

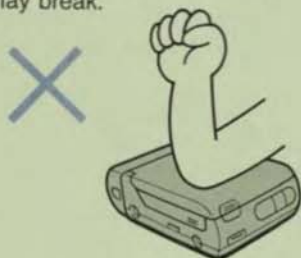
Precautions

This section describes the precautions you should follow when using the electronic book player. Read this section carefully before using the player.

For the Electronic Book Player

On safety

- Since the display is made of glass, do not push the player from above with your elbow, etc. or place heavy objects on it such as books. The glass used for the display may break.



- As the laser beam used in this player is harmful to the eyes, do not attempt to disassemble the casing. Refer servicing to qualified personnel only.
- Do not put anything in the safety slot inside the disc compartment. If you do so, the laser beam may come out when the lid is opened.
- Do not put anything in the DC IN 9V (external power input) jack.
- When the player is used with the AC power adaptor, do not wrap the unit in a cloth, blanket, etc. If you do so, the temperature inside and outside the player may rise considerably, resulting in malfunctioning of the player or serious accidents.
- Should any solid object or liquid fall into the player, disconnect the power source and have the player checked by qualified personnel before operating it any further.
- Do not drop the player as a malfunction may result.

On power sources

- Use the supplied rechargeable battery pack, batteries (not supplied) or the current in your home or office.
- For AC operation: Use the AC power adaptor supplied with this player. Do not use any other AC power adaptor as it may cause malfunction.
- When the player is not to be used for a long time, be sure to disconnect the power source (AC power adaptor, rechargeable battery pack or batteries) from the player. To remove the AC power adaptor from the wall outlet, grasp the plug itself; never pull it by the cord.

On installation

Never expose the player to:

- heat sources such as radiators or air ducts.
- direct sunlight.
- excessive dust.
- moisture or rain.
- mechanical vibration or shock.
- inclined position.
- a dashboard or leave it in a car parked in sunlight.

On condensation

If the player is brought directly from a cold location to a warm location, or is placed in a very damp room, condensation may collect on the lens inside the player causing it to malfunction. If this happens, remove the electronic book or the disc and leave the player in a warm place for a few hours until the condensation evaporates.

About the lens

The lens on the disc table should be kept clean. Do not touch the lens or poke at it. If you do so, the lens may be damaged and the player will not operate properly.

About the temperature

The bottom of the player may get warm. This is not a malfunction. The AC power adaptor also gets warm. This is also not a malfunction. However, if the AC power adaptor gets excessively hot, disconnect it and have it checked by your nearest Sony dealer.

If you have any questions or problems concerning your player, contact your nearest Sony dealer.

Precautions

For the Electronic Books and the Compact Discs

When listening to compact discs

- Avoid listening with your headphones:
 - while driving, cycling, etc.
 - for an extended period of time at a loud volume.
- Remember not to disturb those near you with the sounds from your headphones.

Handling the electronic books and compact discs

- Electronic book
Always keep the electronic book in the caddy. The caddy is designed to protect the electronic book from getting scratched or dirty. Do not often remove the electronic book from the caddy.
- Compact disc
Always hold the disc by the edges.
Do not write or stick paper on the disc.



Storing the electronic book and the compact disc

- Never store the electronic book or the compact disc:
 - in direct sunlight.
 - in a place subject to high temperature.
 - on the dashboard or seat of a car in summer or in direct sunlight.
- When you are not going to use the electronic book or the compact disc for a long time, remove it from the player.
Keep the electronic book in its caddy. Keep the compact disc in its case. The disc may warp if you do not keep it in the case. Do not stack it with other discs or stand it in an inclined position.

Maintenance

This section explains how to keep the electronic book player, the electronic book and the compact disc in good condition.

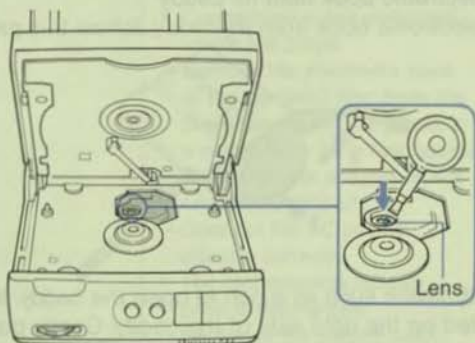
For the Electronic Book Player

Cleaning the casing

Clean the casing with a soft cloth slightly moistened with water or a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine as they may damage the finish of the casing.

Cleaning the lens

If you accidentally touch the lens with dirty fingers or if dust on the lens prevents the player from operating properly, open the disc compartment lid and clean the lens with the lens cleaning kit (not supplied).



Cleaning the headphones plug

Keep the headphones plug clean to obtain optimum sound. Wipe the plug with a dry, soft cloth.

For the Electronic Books and the Compact Discs

When data on the electronic book cannot be read

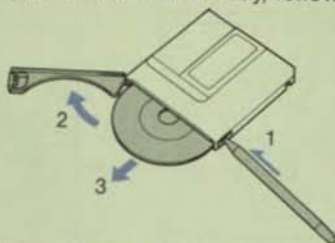
Make sure that the electronic book is inserted properly into the caddy to protect the data on the electronic book. If the data on the electronic book cannot be read, it means dust may have accumulated on the electronic book because of electrostatic attraction, etc. If this happens, follow this procedure:

- 1 Remove the electronic book from its caddy.
- 2 Clean the electronic book.
- 3 Insert the electronic book into the caddy again.

See the information below for details on each step.

Removing the electronic book from its caddy

To remove the electronic book from its caddy, follow this procedure:



- 1 Use a pointed device such as a pen to open the caddy. Insert the pen into the slot located on the right side of the caddy. Gently push and slide the pen towards you so that the cover pops open.
- 2 Open the cover of the caddy all of the way to slide the disc out.
- 3 Take out the electronic book by holding the disc by its edges.

To insert the electronic book back into the caddy, make sure that the electronic book is inserted with the label side facing up.

Cleaning the electronic book and the compact disc

Clean the electronic book and the compact disc with a cleaning cloth. Wipe the disc from the center out.



Do not use solvents such as benzene, thinner, commercially available cleaners or anti-static spray intended for use with records.

Refer to the following table if you have problems with the electronic book player. If problems continue, consult your nearest Sony dealer.

Trouble	Cause	Reference page	
You cannot turn on the player when pressing ► (POWER ON).	<ul style="list-style-type: none"> • The electronic book has been inserted into the caddy upside down. → Insert the electronic book correctly with the label facing upwards. 	38	
	<ul style="list-style-type: none"> • The electronic book or the compact disc is dirty. → Clean the electronic book or the disc. 	38	
	<ul style="list-style-type: none"> • The lens in the player is dirty. → Clean the lens. 	37	
	<ul style="list-style-type: none"> • Condensation has collected inside the player. → Remove the electronic book or the compact disc from the player and leave the player in a warm place for a few hours. 	25, 29	
	<ul style="list-style-type: none"> • The AC power adaptor is not connected properly. → Connect the AC power adaptor correctly. 	13	
	<ul style="list-style-type: none"> • The rechargeable battery pack is discharged. → Recharge the battery pack. 	15	
	<ul style="list-style-type: none"> • The HOLD switch is on. → Slide the switch in the opposite direction. 	28	
	<ul style="list-style-type: none"> • The CONTRAST control is set to L. → Adjust the CONTRAST control to a comfortable level. 	27	
	You cannot hear sound from the headphones.	<ul style="list-style-type: none"> • The headphones are not connected correctly. → Plug the headphones into the PHONES jack. 	30
		<ul style="list-style-type: none"> • The VOLUME control is set to the minimum level. → Adjust the VOLUME control to a comfortable level. 	31
The sound skips.	<ul style="list-style-type: none"> • The compact disc is dirty. → Clean the compact disc. 	38	
	<ul style="list-style-type: none"> • The compact disc is damaged. → Replace the disc. 	29	

Troubleshooting

When the Error Message Appears

When the error message appears on the display, refer to the following table.

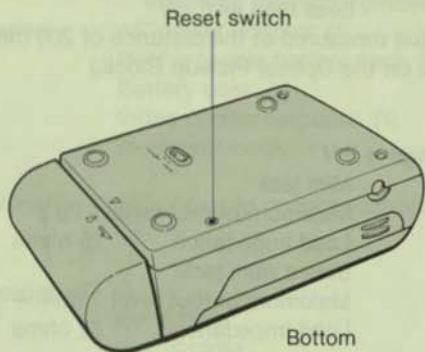
Error Message	Cause/Solution	Reference page
Cannot charge the battery	<ul style="list-style-type: none">• The rechargeable battery pack is not installed. → Install the rechargeable battery pack.• The rechargeable battery pack is completely discharged. → Wait for the message "Now charging the battery" to appear.	14 15, 16
Cannot read the disc	<ul style="list-style-type: none">• The electronic book is dirty. → Clean the electronic book.• The electronic book is not inserted correctly. → Re-insert the electronic book correctly.	38 38
Please insert the disc	<ul style="list-style-type: none">• The disc is not inserted into the player. → Insert the electronic book.• The disc is upside down. → Insert the disc with the label facing upwards.	24 38
The battery is empty	The rechargeable battery pack or the dry batteries are discharged. → Recharge the battery pack or replace the batteries.	15, 18
The disc inserted is not an EB	You cannot use the disc. → Use an electronic book that has the 'electronic book' mark.	—

If the Player Does Not Operate

If the electronic book player stops operating while you are using it, reset the player.

To reset the player

Press the reset switch with a pointed device such as the tip of a pen.



The player goes off so you can re-start the operation.

Specifications

Model	Electronic book player
D/A conversion	16-bit linear digital filter

Laser diode properties

Material	GaAlAs
Wave length	780 nm
Emission duration	Continuous
Laser output	Less than 44.6 μ W

(This output is the value measured at the distance of 200 mm from the objective lens surface on the Optical Pick-up Block.)

Output connector

When the power voltage is 9 V

VIDEO OUT	Mini jack
	Maximum output level 1 Vp-p
	Load impedance 75 ohms
PHONES	Stereo mini jack
	Maximum output level 7 mW + 7 mW
	Load impedance 32 ohms

Power

Power requirements

Supplied:

- DC IN 9 V jack accepts the Sony AC power adaptor.
120 V AC, 60 Hz
- BP-45 rechargeable battery pack

Not supplied:

- Six size AA (LR6) dry batteries using the supplied EBP-45 battery case
 - 12 V DC using the DCC-E190M car battery cord
- 2.5 W DC

Power consumption

General

Dimensions	Approximately 107.6 × 43.1 × 159.2 mm (4 ¹ / ₄ × 1 ¹ / ₆ × 6 ³ / ₈ in.) (w/h/d) including the rechargeable battery pack
Weight	Approximately 580 g (1 lb 20 oz) not including the rechargeable battery pack Approximately 705 g (1 lb 25 oz) including the rechargeable battery pack
Supplied accessories	AC power adaptor (1) Rechargeable battery pack (1) Battery case (1) Video connecting cord (1) Electronic book

Design and specifications are subject to change without notice.

Accessories not supplied

Trinitron color TV	KV-13TR24
Car battery cord	DCC-E190M
Stereo ear receiver	MDR-E565

Your dealer may not handle some of the above listed accessories. Ask the dealer for detailed information about the accessories in your countries.

Index

A

- AC outlet, 13
- AC power adaptor, 10, 13
- Adaptors. *See* AC power adaptor
- ALL REPEAT, 32
- ALPHABET/NUMBER key, 12
- Article, 7

B

- Battery
 - dry, 18, 19
 - rechargeable, 10, 14-17
- Battery case, 10, 18
- Battery pack. *See* rechargeable battery pack
- Button
 - OPEN ▲, 11, 24, 29
 - RELEASE, 11, 14
 - ▶|| (POWER ON), 11, 26
 - (OFF), 11, 27
 - |◀◀▶▶|, 11, 32

C

- Caddy, 24
- Car battery cord, 20
- CD. *See* Compact disc
- CD-ROM, 7
- Charge, 15-17
- Cigarette lighter socket, 20
- Compact disc
 - cleaning the electronic book and the, 38
 - playing a, 29-32
 - single, 29
 - when listening to, 36
- Condensation, 35
- Contrast
 - adjusting the, 27
 - control, 11
- Controls
 - locating the, 11, 12
 - locking the, 28
- Current, 13

D

- Data, 7
- DC IN 9V, 11, 13, 20
- Disc. *See* Electronic book; Compact disc
- Disc compartment lid, 12, 25
- Display, 12, 31
 - light, 28
- Dry batteries, 18, 19

E-G

- Electronic book, 10
 - cleaning the, 38
 - inserting an, 24, 25
 - what is an, 7
- Electronic book player
 - cleaning the, 37
 - connecting the, 21, 22
 - what is the, 7
- Error message, 40
- Function key, 12

H,I

- Headphones, 30, 37
- HOLD switch, 11, 28
- Installation, 35

J

- Jack
 - PHONES, 11, 30
 - VIDEO IN, 21
 - VIDEO OUT, 11, 21, 22

K

- Key
 - ALPHABET/NUMBER key, 12
 - function, 12
 - letter and number, 12
 - NO, 12, 16
 - SHIFT, 12
 - YES, 12
 - ▶◀▼▲, 12

L

- Lens, 12, 35
 - cleaning the, 37
- Letter and number key, 12
- Light, display, 12, 28
- LIGHT switch, 12, 28
- Liquid crystal display, 22. *See also* Display

M

- Maintenance, 37, 38
- Manual, how to use this, 6
- Monitor, 21, 22, 43

N

- NO key, 12, 16
- NORMAL, 32
- NTSC, 21

O

- 1 REPEAT, 32
- Opening message, 26
- Open lever, 12
- Operating instructions, 6

P, Q

- PAL, 21, 22
- PHONES jack, 11, 30
- Play mode, 32
- Player, *See* Electronic book player
- Polarity, 13, 18
- Power source, choosing the, 13-20
- Precautions, 34-36

R

- Rechargeable battery pack, 10
 - using the, 14-16
- RELEASE button, 11-14
- Reset switch, 11, 41

S

- Safety, 34
- Screen, 22, 27
- Search, 26, 32
- SECAM, 21, 22
- SHIFT key, 12
- SHUFFLE REPEAT, 32
- Single, compact disc, 29
- Slot, 24
- Switch
 - LIGHT, 12
 - reset, 11, 41
 - TV select, 11, 21

T, U

- Tab, 11, 24, 25
- Temperature, 35
- Track, 31
- TV, 21, 22, 43
- TV select switch, 11, 21
- User's guide, 6

V-Z

- Video cassette recorder, 22
- Video connecting cord, 10, 21
- VIDEO IN jack, 21
- VIDEO OUT jack, 11, 21, 22
- VOLUME control, 11
- YES key, 12

