Troubleshooting guide

Before requesting service, make the below checks.
If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem:

1. Cannot skip albums.
2. The battery indicator doesn’t light.
3. The buttons don’t light when using the magnetic adaptor.
4. The buttons don’t light when HOLD is on. ([◄] [▼] [↑] [►] [CH]) does light during recharging.
5. The operation tone may be off (► page 6).
6. Use only the included remote control to operate this unit.
7. They are not displayed while playing WMA.
8. You aren’t using the special rechargeable batteries.
9. You may not be able to play WMA/MP3 if recording quality is poor.
10. The ID3 titles aren’t displayed.
11. You must insert two batteries before you can recharge them.
12. The unit must be off before you can recharge.
13. You may not be able to play WMA/MP3 if you have copied a multi-session disc that has no data between sessions.
14. You cannot play a WMA disc if the copy protection setting was on when you made the disc.
15. The AC adaptor becomes warm during recharging.
16. This is normal.
17. The ID3 titles aren’t displayed.
18. You can’t play WMA/MP3 correctly if it is shaken while it is reading the files.
19. The unit may not read WMA/MP3 correctly if it is shaken while it is reading the files.
20. You may not be able to play WMA/MP3 if you have copied a multi-session disc that has no data between sessions.
21. You cannot play a VMA disc if it contains large files, such as JPEG.
22. You cannot play a WMA disc if the copy protection setting was on when you made the disc.
23. The unit stops working.
24. Disconnect then reconnect all power sources (batteries and AC adaptor).
25. The buttons don’t light.
26. The battery indicator fails to appear or is incorrect.
27. You cannot skip through tracks.
28. You cannot search through tracks.
29. The batteries may have reached the end of their service life.
30. This may occur after the first time you recharge the batteries or haven’t used them for a long time. Play time should be restored after a few recharge.
31. The batteries can go flat if you leave the AC adaptor connected after recharging is complete.
32. Make sure the magnetic adaptor is connected properly and that the unit is horizontal.
33. Remove dust or grime from the magnetic adaptor.
34. The buttons don’t light if HOLD is on.
35. The indicator does not appear when the AC adaptor is connected.
36. The indicator does not appear correctly when you are using rechargeable batteries and dry cell batteries at the same time and under some other conditions.
37. Make sure the magnetic adaptor is connected properly.
38. The remote control malfunctions.
39. Use only the included remote control to operate this unit.
40. The unit is horizontal.
41. Remove dust or grime from the magnetic adaptor.
42. The buttons don’t light if HOLD is on.
43. The indicator does not appear when the AC adaptor is connected.
44. The indicator does not appear correctly when you are using rechargeable batteries and dry cell batteries at the same time and under some other conditions.
45. Make sure the magnetic adaptor is connected properly.
46. The remote control malfunctions.
47. Use only the included remote control to operate this unit.
48. This is normal.
49. The batteries may have reached the end of their service life.
50. Play time is very short even after recharging.
51. The batteries can go flat if you leave the AC adaptor connected after recharging is complete.
52. Make sure the magnetic adaptor is connected properly and that the unit is horizontal.
53. Remove dust or grime from the magnetic adaptor.
54. The buttons don’t light if HOLD is on.
55. The indicator does not appear when the AC adaptor is connected.
56. The indicator does not appear correctly when you are using rechargeable batteries and dry cell batteries at the same time and under some other conditions.
57. Make sure the magnetic adaptor is connected properly.
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65. Remove dust or grime from the magnetic adaptor.
66. The buttons don’t light if HOLD is on.
67. The indicator does not appear when the AC adaptor is connected.
68. The indicator does not appear correctly when you are using rechargeable batteries and dry cell batteries at the same time and under some other conditions.
Caution

■ Batteries
- Do not peel off the covering on batteries and do not use if the covering has been peeled off.
- Align the poles + and - correctly when inserting the batteries.
- Do not mix different types of batteries or old and new batteries.
- Remove the batteries if you do not intend to use the unit for a long time.
- Do not throw into fire, short-circuit, disassemble, or subject to excessive heat.
- Do not attempt to recharge dry cell batteries.
- When carrying batteries in a pocket or bag, ensure no metal objects such as necklaces are placed together with them. Contact with metal may cause short-circuiting which can cause a fire. For safety, carry the rechargeable batteries in the battery carrying case.

■ CDs
- Do not use irregularly shaped CDs.
- Do not use non-specification discs.
- Do not use CDs printed with label printers available on the market.
- Do not use CDs with labels and stickers that are coming off or with adhesive exuding from under labels and stickers.

■ Listening
Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.
If you experience a ringing in your ears, reduce volume or discontinue use.
Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
Even if your headphones or earphones are the open-air type designed to let you hear outside sounds, don’t turn up the volume so high that you can’t hear what’s around you.
Sound can be deceiving. Over time your hearing “comfort level” adapts to higher volumes of sound. So what sounds “normal” can actually be loud and harmful to your hearing.
Guard against this by setting your equipment at a safe level before your hearing adapts. To establish a safe level:
1. Start your volume control at a low setting.
2. Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.
Once you have established a comfortable sound level:
1. Leave it there.

■ Allergies
Discontinue use if you experience discomfort with the earphones or any other parts that directly contact your skin. Continued use may cause rashes or other allergic reactions.

Audio (CD-DA)
No. of channels: 2 (left and right, stereo)
Frequency response: 20 to 20,000 Hz (+0.5 dB to −10 dB)
DA converter: 1 bit, MASH
WMA/MP3
Supported bit-rates:
WMA: 32 kbps to 192 kbps (96 kbps is recommended)
MP3: 32 kbps to 320 kbps (128 kbps is recommended)

Supported sampling frequencies:
48 kHz/44.1 kHz/32 kHz

Maximum number of items:
(sum of albums and tracks): 999
Maximum album levels: 100

General
Power supply:
DC input (via included AC adapter):
DC 4.5 V
AC adapter input:
AC 120 V, 60 Hz

Power consumption:
Using AC adapter: 2.6 W
Recharging: 5.0 W

Power consumption in standby mode: 2.2W

Play time:
Approximate operating time in hours, playing WMA/MP3 at the recommended bitrate (WMA: 96 kbps, MP3: 128 kbps), with HQD on and EQ canceled, at 25 °C on a flat, stable surface.

Batteries used
WMA disc
MP3 disc
CD-DA disc
1. 2 optional alkaline batteries 64 67 47
2. 2 supplied rechargeable batteries 36 38 26
1. 2 supplied rechargeable and 1 optional alkaline batteries 108 120 80

Recharging time:
5 to 6 hours
The play time may be less depending on the operating conditions.
Play time will be considerably reduced when playing CD-RW.
Operational temperature range:
0 °C–40 °C (32 °F–104 °F)
Rechargeable temperature range:
5 °C–40 °C (41 °F–104 °F)

Dimensions (W×H×D):
134.4 × 13.9 × 133.8 mm (5.4" × 0.5" × 5.3")
Mass: 189 g (6.7 oz.) (with batteries)
136 g (4.8 oz.) (without batteries)

Note:
Specifications are subject to change without notice. Mass and dimensions are approximate.

IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the safety precautions listed below. Keep these operating instructions handy for future reference.

Safety
1. Power source—Connect the unit to a power source of the type described in these operating instructions or as marked on the unit.
2. Polarization—The unit is equipped with a polarized power plug where one blade is wider than the other. This safety feature ensures that the plug fits into your household AC outlet only one way. If the plug doesn’t fit one way, try reversing it. If the plug still doesn’t fit, contact an electrician to replace the obsolete outlet. Do not attempt to defeat the safety purpose of the plug.
3. Power cord protection—Route the AC power supply cord so that it will not be walked on or pinched by items placed on or against it. Never take hold of the plug or cord with wet hands. Always grasp the plug body firmly when connecting and disconnecting it.
4. Overloading—When connecting the AC power supply cord, be careful not to overload the household AC outlet, extension cord, or outlet from any other device as this can result in fire or electric shock.
5. House periods—Turn the unit off when it is not in use. Unplug the unit from the household AC outlet if it is not to be used for a long time. Unplug the unit during lightning storms. Leaving the unit connected to a household AC outlet for extended periods can cause battery fluid leakage.
6. Attachments and accessories—Use only the attachments and accessories recommended in these operating instructions.

Installation
1. Foreign material—Ensure objects and liquids do not get into the unit. Avoid exposing the unit to excessive smoke, dust, mechanical vibration, and shock.
2. Magnetism—Situate the unit away from equipment and devices that generate strong magnetic fields.
3. Stacking—Do not place anything on top of this unit.
4. Wall and ceiling mounting—Do not mount the unit on walls or ceilings unless specified in the instructions.

Environment
1. Water and moisture—Do not use the unit near water, such as near a bathtub or swimming pool. Avoid damp basements.
2. Heat—Situate the unit away from heat sources, such as radiators. Do not leave it in an automobile exposed to direct sunlight with the doors and windows closed as this may deform the cabinet.

CAUTION: Do not situate where temperatures fall below 5 °C (41 °F) or rise above 35 °C (95 °F).

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>CD-DA</th>
<th>WMA</th>
<th>MP3</th>
</tr>
</thead>
<tbody>
<tr>
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<td>67</td>
</tr>
<tr>
<td>2.</td>
<td>2 supplied rechargeable batteries</td>
<td>36</td>
<td>38</td>
</tr>
<tr>
<td>1.</td>
<td>2 supplied rechargeable and 1 optional alkaline batteries</td>
<td>108</td>
<td>120</td>
</tr>
<tr>
<td>Recharging time</td>
<td>5 to 6 hours</td>
<td></td>
<td></td>
</tr>
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6. Attachments and accessories—Use only the attachments and accessories recommended in these operating instructions.

Installation
1. Foreign material—Ensure objects and liquids do not get into the unit. Avoid exposing the unit to excessive smoke, dust, mechanical vibration, and shock.
2. Magnetism—Situate the unit away from equipment and devices that generate strong magnetic fields.
3. Stacking—Do not place anything on top of this unit.
4. Wall and ceiling mounting—Do not mount the unit on walls or ceilings unless specified in the instructions.

Environment
1. Water and moisture—Do not use the unit near water, such as near a bathtub or swimming pool. Avoid damp basements.
2. Heat—Situate the unit away from heat sources, such as radiators. Do not leave it in an automobile exposed to direct sunlight with the doors and windows closed as this may deform the cabinet.

CAUTION: Do not situate where temperatures fall below 5 °C (41 °F) or rise above 35 °C (95 °F).
WARNING:
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED UPON THE APPARATUS.

CAUTION!
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION:
Use only car adapter. Model: SH-CD09
manufactured by Matsushita Electric Industrial Co., Ltd.

Mail-In Service
The original purchaser of a new product which was not sold "as is".

To products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America
One Panasonic Way Secaucus, New Jersey 07094

Panasonic Sales Company, Factory Servicenter
San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc., Aven. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Limited Warranty Coverage
If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or refurbished product. Such repair, part or product replacement will be made at no charge to the customer.

Panasonic Portable Audio Products Limited Warranty

<table>
<thead>
<tr>
<th>Product or Part Name</th>
<th>Parts</th>
<th>Labor</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Portable Audio Products except item listed below</td>
<td>One (1) Year</td>
<td>One (1) Year</td>
</tr>
<tr>
<td>Rechargeable batteries</td>
<td>Ten (10) Days</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail your product during the warranty period. This Limited Warranty excludes both parts and labor for batteries, antennas and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Mail-In Service
For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

Panasonic Services Company
Customer Servicenter
Suite B
4900 George McVay Drive
McAllen, TX 78503

For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4000 or fax (787)-769-2910.

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton, to the Panasonic Servicenter nearest you. In Canada, contact the Panasonic Canada Inc. Customer Care Centre at 905-624-2511, or visit the website (www.panasonic.ca), or an authorized Servicentre close to you.

User memo:
DATE OF PURCHASE
DEALER NAME
DEALER ADDRESS
TELEPHONE NUMBER

Panasonic Portable Audio Products Limited Warranty

1. Damage requiring service—The unit should be serviced by qualified service personnel if:
(a) The AC power supply cord or AC adaptor has been damaged; or
(b) Objects or liquids have gotten into the unit; or
(c) The unit has been exposed to rain; or
(d) The unit does not operate normally or exhibits a marked change in performance; or
(e) The unit has been dropped or the cabinet damaged.

2. Servicing—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3. Replacement parts—When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have identical characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

4. Safety check—After repairs or service, the servicer should perform safety checks to ensure that the unit is in proper operating condition.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTY獨E NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, travel to and from the servicenter, loss of media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem with this product develops during the one-year warranty period, you must return the product to the dealer where it was purchased or to a Servicenter designated by the warrantor.

Parts and Service, which are not covered by this Limited Warranty, are your responsibility.

Panasonic Consumer Electronics Company, Division of Matsushita Electric of Puerto Rico, Inc.
Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic Sales Company, Factory Servicenter
Aven. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic Canada Inc. Customer Care Centre at 905-624-2511, or visit the website (www.panasonic.ca), or an authorized Servicentre close to you.

Customer Service Directory

Panasonic Consumer Electronics Company
Division of Matsushita Electric of America
One Panasonic Way
Secaucus, NJ 07094

Panasonic Sales Company
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Accessory Purchases:
1-800-332-5368 (Customer Orders Only)
For hearing or speech impaired TTY users, TTY: 1-866-605-1777

Panasonic Services Company
24021 84th Avenue South, Kent, WA 98032
(6 am to 5 pm Mon-Fri, 6 am to 10:30 am Saturday PST)

(Visa, MasterCard, Discover Card, American Express, Check)

Web Site: http://www.panasonic.com
You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Limited Warranty Limit's and Exclusions
This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear or tear or cosmetic damage. The warranty ALSO DOES NOT COVER failures which result from:
- Accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, commercial use such as hotel, office, restaurant, or other business or rental use, or service by anyone other than Factory Servicenter or other Authorized Servicentre, or damage that is attributable to acts of God.

There are no express warranties except as listed under "LIMITED WARRANTY COVERAGE".

The warranty is not liable for incidental or consequential damages resulting from the use of this product, or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, travel to and from the servicenter, loss of media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warranty’s Consumer Affairs Department at the address listed for your warranty.

Parts and Service, which are not covered by this LIMITED WARRANTY, are your responsibility.

Service in Puerto Rico
Matsushita Electric of Puerto Rico, Inc., Panasonic Sales Company/Facility Servicenter:
Ave. 65 de Infanteria, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787) 750-4300 Fax (787) 769-2910

3

FOR02N1L082
Location of controls/ Connection to other equipment

Turn off this unit and the other equipment before connection.

Audio system

Adjust the volume level on the audio system.

AC adaptor

Household AC outlet

Magnetic adaptor

To Magnetic adaptor terminal

Car power adaptor (SH-CDC9) (not included)

Audio cable (not included)

To CD or AUX terminals

Car audio

Some cannot be connected.

Playing WMA and MP3

This unit can play WMA/MP3 files you have recorded to discs. MP3: MPEG Layer-3 audio decoding technology licenced from Fraunhofer IIS and Thomson multimedia.

HOLD

This function causes the unit to ignore, accidental button presses. Set to HOLD so the unit doesn’t power on accidentally or play is interrupted.

Note on CD-R and CD-RW

This unit can play CD-R and CD-RW recorded with CD-DA or WMA/MP3. Use an audio recording disc for CD-DA and finalize it when you finish recording. The unit may not be able to play some discs due to the condition of the recording.

* A process performed after recording that enables CD-R/CD-RW players to play audio CD-R and CD-RW.

Resume function

The player stores the track where you stopped play. Replacing the disc cancels the function.

Auto power off function

If the unit is left in stop mode for approximately 10 minutes, the unit powers itself off automatically.

Key illumination

When HOLD is released, the unit’s buttons light in different ways to indicate the operation.

The color shows the track type playing: green for CD-DA, red for WMA, and orange for MP3.

To turn the illumination off, set to HOLD.

The display light

The light in the remote control’s display comes on for about 5 seconds when you press a button, unless the hold function is on.

Magnetic adaptor

This adaptor allows you to quickly and easily connect and disconnect the AC adaptor. This also allows for smoother recharging.

Supplied Accessories

Check the packing carton for these accessories. Use numbers indicated when asking for replacement parts.

1 Wired remote control: N2CCBD000028
1 Magnetic adaptor: RFA2108-S
1 AC adaptor: RFEA415C-1S
2 Nickel-metal hydride rechargeable batteries
1 Battery carrying case: RFC0062-X
1 pair of stereo earphones: L0BAB0000170

(Only for U.S.A.) To order accessories contact 1-800-332-5368 or the website (http://www.panasonic.com).

* Recommended replacement: Nickel-metal hydride rechargeable batteries (HHF-AZ01)

Displays

<table>
<thead>
<tr>
<th>HOLD</th>
<th>The HOLD function is on (↓↓ left).</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO DISC</td>
<td>You haven’t inserted a disc or it isn’t inserted correctly.</td>
</tr>
<tr>
<td>OPEN</td>
<td>The disc lid is open.</td>
</tr>
<tr>
<td>F</td>
<td>Full: The program already contains 20 tracks.</td>
</tr>
<tr>
<td>CHARGE</td>
<td>The batteries are recharging. Recharging is complete when this disappears.</td>
</tr>
<tr>
<td></td>
<td>Reading WMA/MP3 files.</td>
</tr>
</tbody>
</table>
How to Use

**Playback**

1. Open the lid and insert a CD.

2. Release HOLD.

3. Adjust the volume. (0 - 25)

4. Press.

- WMA/MP3 files take a little longer to be read.
- "WMA/MP3" lights on the display during play.

**Pause**

Remote control: Not available.

Main unit: Press. Press again to restart play.

**Search**

Remote control: Press and hold during play.

Main unit: Press and hold during play.

- You cannot search while playing WMA/MP3.
- You can search only within the current track during program, one track repeat, or random play modes (page 6).

**Skip**

Remote control: Press.

Main unit: Press.

- Press [ ] twice to skip to the previous track during play.

**Stop**

Remote control:

Main unit: 11.

- Press and hold to turn the unit off.
- Press again to turn the unit off.

**Conserving power**

To save power when the unit is not to be used for a long time, unplug the AC adaptor from the household AC outlet. The unit consumes a small amount of power, even when it is turned off.

Approx. 2.2 W

Dry cell batteries (not included)

1. LR6, AA, UM-3

2. Press

3. Main unit

The battery indicator

This indicator appears when the unit is on.

- Check while the unit is off


The number of main unit buttons that light indicates the charge.

**Play time**

- Specifications, page 2

You can get longer play by using the rechargeable and dry cell batteries together.

**Power Supply**

Rechargeable batteries: Recharge before initial use.

Make sure the unit is off when recharging.

- The buttons flash while recharging and stop when finished (5 to 6 hours).
- You can also connect the AC adaptor directly to the DC IN jack.
- You can recharge the batteries before they are fully discharged.
- Fit the battery lid so it is secure and flush with the battery compartment if it comes loose, otherwise it can scratch your discs.
- Press the end and lift out to remove.
- Keep the magnetic adaptor away from items easily influenced by magnetism (e.g., bank cards, commuter passes, and clocks).

Conserving power

To save power when the unit is not to be used for a long time, unplug the AC adaptor from the household AC outlet. The unit consumes a small amount of power, even when it is turned off.

Approx. 2.2 W

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WMA/MP3 files take a little longer to be read.

"WMA/MP3" lights on the display during play.
Other Play Methods

**Program Play**

1. Select the tracks while stopped. You can skip albums when playing WMA/MP3 tracks (*below).


3. Repeat steps 1 and 2 to register up to 20 tracks.

4. Start play.

**Play modes**

Each time you press [MODE]

- One track repeat
- All track repeat
- Random
- Random repeat
- No display (canceled)

- You cannot select “RND” while playing WMA/MP3.
- You cannot skip back to other track during random play.

**Anti-Skip System**

This system reduces the skipping caused by vibration to a minimum. You can change the anti-skip memory time for CD-DA to improve sound quality.

- Each time you press and hold [MODE]
  - POS 2 ➔ POS 1
  - Better sound quality, 10-second anti-skip memory
  - Normal sound quality, 45-second anti-skip memory

- You cannot change the memory time for WMA/MP3. It is a maximum of 130 seconds for WMA recorded at 96 kbps and 100 seconds for MP3 recorded at 128 kbps.

**Other remote control functions**

- **Turning the operation tone off**
  - Press and hold [EQ] until “BP OFF” appears. (“BP ON”, tone on)

- **Adjusting the contrast of the display**
  - 1. Set the main unit to HOLD while stopped.
  - 2. While pressing and holding [▶/II], press [+] (darker) or [−] (lighter) on the unit.
  - Adjust if unlit parts of the display are too dark or if the display is too light to read.

**Changing the sound quality**

Each time you press [EQ]

- S-XBS ➔ TRAIN ➔ LIVE

- Boosts the bass ➔ Softens and reduces the audible level of sound ➔ No display (canceled)

- The effect may differ between different kinds of music.

**Playing WMA/MP3**

**Starting play from an album (Album skip)**

Press and hold until the album you want appears.

- Main unit
  - Album number ➔ Number of tracks

**Playing only the tracks in a selected album (Album mode)**

Each time you press and hold [MODE]

- **Album mode** ➔ No display (canceled)

- You can select another album with album skip.
- You cannot turn album mode on during program play.

**Changing the display**

Each time you press and hold [*MEMO*] ➔ [DISP]

- Album ➔ Track title ➔ MP3 ID3 ➔ MP3 ID3 track title ➔ Track number and elapsed play time

- The unit displays up to 27 characters for track title and 30 for album title.
- “...” is displayed in place of characters this unit cannot display.
- “/MP3” “/ID3” appears before ID3 titles. “...” appears instead if ID3 titles haven’t been entered.

- This unit is only compatible with version 1.0 and 1.1 ID3 tags.

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**Limitations on WMA/MP3**

- This unit is compatible with multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.
- This unit cannot play files recorded using packet write.
- If the disc includes both WMA/MP3 and normal audio data (CD-DA), the unit plays the type recorded in the inner part of the disc.
- If the disc includes both WMA/MP3 and other types of audio data, the unit plays only the WMA/MP3.
- Depending on how you create WMA/MP3 files, they may not play in the order you numbered them or may not play at all.
- **(MP3):** This unit is only compatible with version 1.0 and 1.1 ID3 tags.