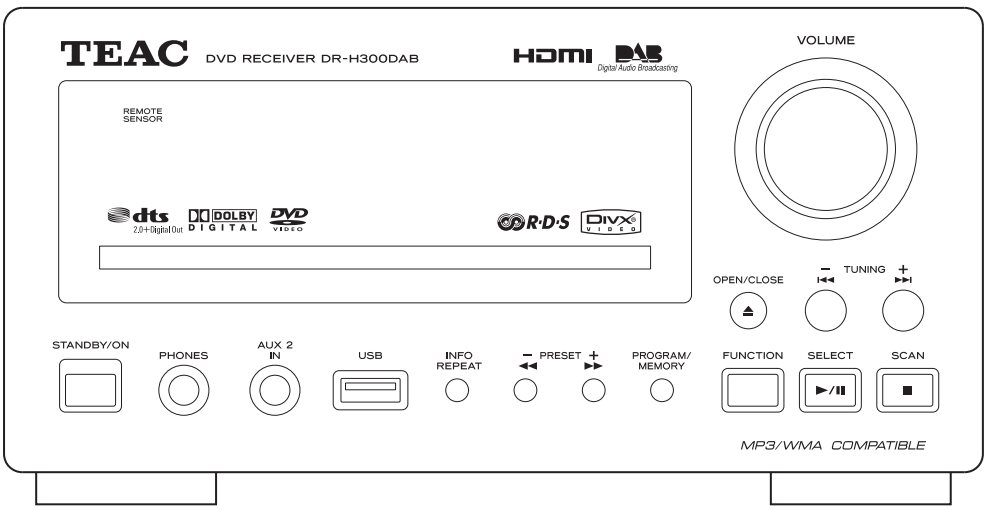
TEAC

9A10513000

DR-H300DAB

DVD Receiver

OWNER'S MANUAL



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CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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- Do not expose this apparatus to drips or splashes.
- Do not place any objects filled with liquids, such as vases, on the apparatus.
- Do not install this apparatus in a confined space such as a book case or similar unit.
- The apparatus draws nominal non-operating power from the AC outlet with its STANDBY/ON switch in the standby position.
- The apparatus should be located close enough to the AC outlet so that you can easily grasp the power cord plug at any time.
- An apparatus with Class I construction shall be connected to an AC outlet with a protective grounding connection.
- Batteries (battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

- DO NOT REMOVE THE EXTERNAL CASES OR CABINETS TO EXPOSE THE ELECTRONICS. NO USER SERVICEABLE PARTS ARE WITHIN!
- IF YOU ARE EXPERIENCING PROBLEMS WITH THIS PRODUCT, CONTACT TEAC FOR A SERVICE REFERRAL. DO NOT USE THE PRODUCT UNTIL IT HAS BEEN REPAIRED.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION Regarding Placement

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) equal to, or greater than, shown below.

Left and Right Panels: 5 cm
Rear Panel: 5 cm
Top Panel: 20 cm

Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

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Windows Media is a trademark of Microsoft Corporation.

DVD Logo is a trademark of DVD Format/Logo Licensing Corporation.

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Read this before operation

- As the unit may become warm during operation, always leave sufficient space around the unit for ventilation.
  The ventilation holes should not be covered. Make sure there is at least 20 cm of space above and at least 5 cm of space on each side of the unit. Do NOT place anything on top of the unit.

- The voltage supplied to the unit should match the voltage as printed on the rear panel. If you are in any doubt regarding this matter, consult an electrician.

- Choose the installation location of your unit carefully. Avoid placing it in direct sunlight or close to a source of heat. Also avoid locations subject to vibrations and excessive dust, heat, cold or moisture.

- Do not place the unit on the amplifier/receiver.

- Do not open the cabinet as this might result in damage to the circuitry or electrical shock. If a foreign object should get into the unit, contact your dealer or service company.

- When removing the power plug from the wall outlet, always pull directly on the plug, never yank the cord.

- To keep the laser pickup clean, do not touch it, and always close the disc tray.

- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry or slightly damp cloth.

- Keep this manual in a safe place for future reference.

DO NOT MOVE THE UNIT DURING PLAYBACK

During playback, the disc rotates at high speed. Do NOT lift or move the unit during playback. Doing so may damage the disc or the unit.

WHEN MOVING THIS UNIT

When changing places of installation or packing the unit for moving, be sure to remove the disc and return the disc tray to its closed position in the player. Then, press the power switch to turn the power off, and disconnect the power cord. Moving this unit with the disc loaded may result in damage to this unit.

Conventions about this manual

- The types of functions and operations that can be used for a particular disc vary depending on the features of that disc. In some cases, these functions and operations may differ from the descriptions given in this Owner's Manual. In this event, follow the instructions given on the screen. This Owner's Manual only covers basic disc operations.

- For some operations, the prohibition sign '⊘' may appear on the screen. This indicates that the operation described in this Owner's Manual is not permitted for the current disc.

Beware of condensation

When the unit (or a disc) is moved from a cold to a warm place, or used after a sudden temperature change, there is a danger of condensation; vapor in the air could condense on the internal mechanism, making correct operation impossible. To prevent this, or if this occurs, leave the unit turned on for one or two hours. Then the unit will stabilize at the temperature of its surroundings.

Maintenance

If the surface of the unit gets dirty, wipe with a soft cloth or use diluted neutral cleaning liquid. Be sure to remove any fluid completely. Do not use thinner, benzine or alcohol as they may damage the surface of the unit.

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Type of discs that can be played on this system

This player can playback discs bearing any of the following logos:

DVD Video:

- Single-sided or double-sided discs
- Single layer or dual layer discs
- Dolby Digital, DTS, MPEG or Linear PCM digital audio
- MPEG-2 digital video
- This unit can play DVD-R discs recorded in DVD video format.
- This unit can play DVD-RW discs recorded in DVD video format or DVD video recording format.

Discs are generally divided into one or more titles. Titles may be further subdivided into chapters.

Audio CD:

- 12cm or 8cm discs
- Linear PCM digital audio

Audio CDs are divided into tracks.

Video CD:

- 12cm or 8cm discs
- MPEG-1 digital audio
- MPEG-1 digital video

Video CDs are divided into tracks.

SVCD:

- 12 cm or 8 cm discs
- MPEG-1 Audio Layer2
- MPEG-2 digital video

Region Number of DVD Video discs:

DVD players and discs are designed with region numbers that dictate the regions in which a disc can be played. If the region number on the disc you want to play does not match the region number of your DVD player, you will not be able to play the disc. In that case, an error message will appear on the screen.

The region number is printed on the rear panel of this unit.

U.S.A./Canada model

Europe model

Asia model

About DVD-RW

- DVD-RW discs that were recorded with copy-once only permission cannot be played.
- When playing a DVD-RW disc that was edited on a DVD recorder, the screen may momentarily black out at the edited point.
- When playing a DVD-RW disc that was edited on a DVD recorder, you may see scenes from just before the edited point.

About CD-R/CD-RW

CD-R/RW discs recorded in Audio CD format and finalized correctly are playable. But depending on the quality of the disc and/or the condition of the recording, some CD-R & CD-RW discs may not be playable.

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Playable file format

This unit can play following files recorded on a CD-R, CD-RW, DVD-R, DVD-RW or USB memory device:

- MP3 files
- Windows Media-formatted audio files
- JPEG files
- DivX video files (DivX 5, DivX 4, DivX 3 and DivX VOD video content)

- File names should be alphanumeric characters. This unit cannot display symbols and full-size or double-byte characters (such as Japanese, Chinese, etc.) correctly. Also, be sure to use the file extension. ('.mp3' for MP3 files, '.wma' for WMA files, '.avi' or '.divx' for DivX video files, '.jpg' or '.jpeg' for JPEG files.)
- Files are played in alphabetical order.
- MP3 files must be monaural or stereo MPEG-1 Audio Layer 3 format. This unit can play MP3 files with sampling frequency 44.1 kHz or 48 kHz, bit-rate 320 kbps or less.
- This unit can play WMA files with sampling frequency 44.1 kHz, bit-rate 192 kbps or less.
- This unit cannot display the bit-rate of VBR (variable bit rate) files correctly.
- The disc must be finalized in order to play.
- This player is NOT compatible with multi-session discs.
- The CD-ROM must be ISO 9660 compatible.
- It may take time to display a progressive JPEG picture.
- Depending on the file size and compression rate, some JPEG pictures cannot be displayed correctly.

USB memory device compatibility

- Only USB flash memory can be used.
- Some flash memory players that charge from a USB terminal cannot be played back.
- Hard disk drives, CD/DVD drives, and others connected via USB cannot be used.
- The DR-H300DAB cannot copy, move, or delete files.
- Playable format: FAT12, FAT16, FAT32
- NTFS, HFS, HFS+ cannot be used.
- Max. number of playable folders: 300
- Max. number of playable files: 650

Caution:

- If you record a disc using a personal computer, even if it is recorded in a compatible format, there are cases in which it may not play because of the settings of the application software used to create the disc. (Check with the software publisher for more detailed information.)
- Unfinalized CD-R/CD-RW/DVD-R/RW discs cannot be played.

Following discs cannot be played with this unit:

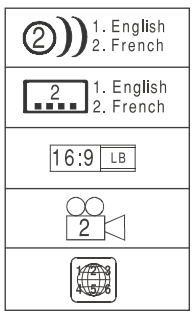
- DVD-Audio, Super Audio CD, CD-G, Data part of CD-EXTRA, and PHOTO CD discs
- discs recorded in a color system other than PAL or NTSC
- illegally produced discs
- scratched or damaged discs
- discs that are dusty, soiled or marked with fingerprints

Warning:

If you attempt to play back such discs, there is a risk that sudden loud noise can blast over the speakers at full volume and cause damage to the speakers and your hearing.

Copy-protected discs, DualDiscs and other discs that do not conform to the CD standard may not play back correctly in this player. If you use such discs in this unit, TEAC Corporation and its subsidiaries cannot be responsible for any consequences or guarantee the quality of reproduction. If you experience problems with such non-standard discs, you should contact the producers of the disc.

Example of Icons used on DVD discs:



number of audio tracks recorded on the disc

number of subtitles recorded on the disc

screen aspect ratio

disc recorded with multiple camera angles

region code

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Discs 2

- Always place the disc on the disc tray with the label side up. (Compact discs can be played or recorded only on one side.)

- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.

How to remove the disc

How to hold the disc

- Should the disc become dirty, wipe the surface radially (from the center hole outward towards the outer edge) with a soft, dry cloth:

- Never use such chemicals as record sprays, antistatic sprays or fluid, benzine or thinner to clean the discs. Such chemicals will do irreparable damage to the disc's plastic surface.

- Discs should be returned to their cases after use to avoid dust and scratches that could cause the laser pickup to 'skip.'

- Do not expose discs to direct sunlight or high humidity and temperature for extended periods. Long exposure to high temperatures will warp the disc.

- Do not play any disc that is warped, deformed or damaged. Playing such discs may cause irreparable harm to the playing mechanisms.

- CD-R and CD-RW discs are more sensitive to the effects of heat and ultraviolet rays than ordinary CDs. It is important that they are not stored in a location where direct sunlight will fall on them, and which is away from sources of heat such as radiators or heat-generating electrical devices.

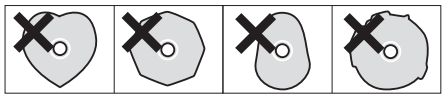
- Printable discs aren't recommended, as the label side might be sticky and damage the unit.

- Do not stick papers or protective sheets on the discs and do not use any protective coating spray.

- Use a soft oil-based felt-tipped pen to write the information on the label side. Never use a ball-point or hard-tipped pen, as this may cause damage to the recorded side.

- Never use a stabilizer. Using commercially available CD stabilizers with this unit will damage the mechanisms and cause them to malfunction.

- Do not use irregular shape discs (octagonal, heart shaped, business card size, etc.). Discs of this sort can damage the unit:



- If you are in any doubt as to the care and handling of a disc, read the precautions supplied with the disc, or contact the disc manufacturer directly.

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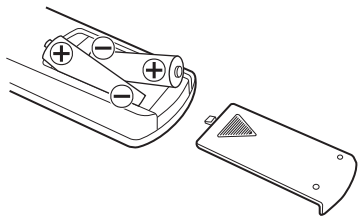
Remote Control Unit

The provided Remote Control Unit allows the unit to be operated from a distance.
When operating the remote control unit, point it towards the remote sensor on the front panel of the unit.

- Even if the remote control unit is operated within the effective range (5m), remote control operation may be impossible if there are any obstacles between the unit and the remote control.

- If the remote control unit is operated near other products which generate infrared rays, or if other remote control devices using infrared rays are used near the unit, it may operate incorrectly. Conversely, the other products may operate incorrectly.

Battery Installation



1. Remove the battery compartment cover.

2. Insert two 'AAA' (R03 or UM-4) dry batteries. Make sure that the batteries are inserted with their positive '⊕' and negative '⊖' poles positioned correctly.

3. Close the cover.

Battery Replacement

If the distance required between the remote control unit and main unit decreases, the batteries are exhausted. In this case replace the batteries with new ones.

Precautions concerning batteries

- Be sure to insert the batteries with correct positive '⊕' and negative '⊖' polarities.

- Use batteries of the same type. Never use different types of batteries together.

- Rechargeable and non-rechargeable batteries can be used. Refer to the precautions on their labels.

- When the remote control unit is not to be used for a long time (more than a month), remove the batteries from the remote control unit to prevent them from leaking. If they leak, wipe away the liquid inside the battery compartment and replace the batteries with new ones.

- Do not heat or disassemble batteries and never dispose of old batteries by throwing them in a fire.

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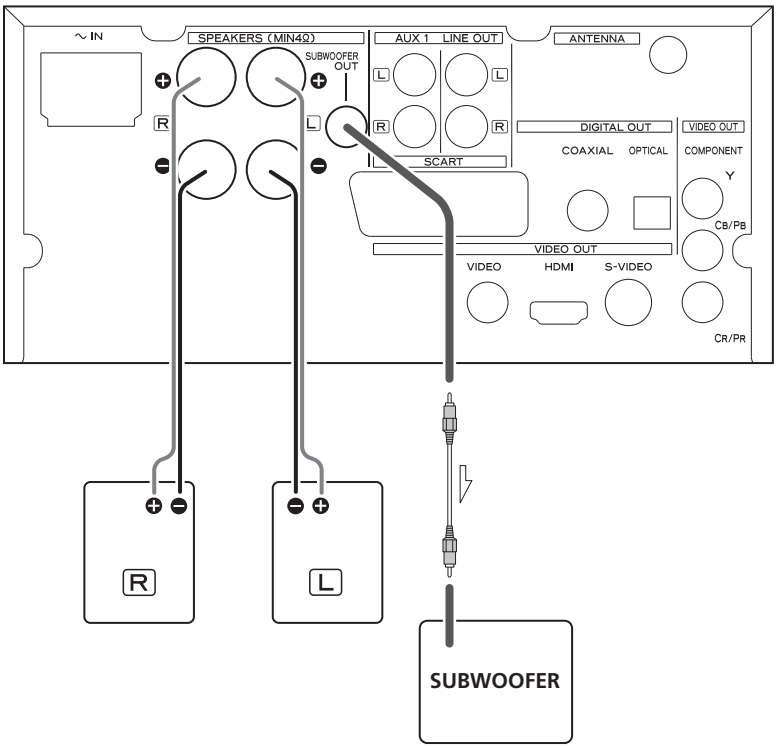
Speaker Connection



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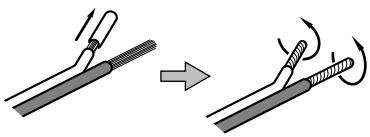
Caution:

To avoid damaging the speakers with a sudden high-level signal, be sure to switch the power off before connecting the speakers.

Check the impedance of your speakers. Connect speaker with an impedance of 4 ohms or more.

The black speaker terminals are – (negative).
Generally, the + side of the speaker cable is marked to make it distinguishable from the – side of the cable. Connect this marked side to the + terminal and the unmarked side to the black – terminal.

Prepare the speaker cables for connection by stripping off approximately 10 mm or less of the outer insulation. (Removing too much insulation may lead to a short circuit if the bared wired should come in contact with each other.) Twist the strands of the stripped wires tightly together:



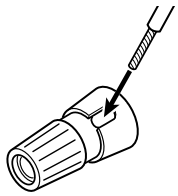
Caution:

The metal portions of the two separate wires should not touch or an electrical short can occur. Shorted wires can create a fire hazard or induce a failure in your equipment.

How to connect speakers:

1. Turn the terminal cap counterclockwise to loosen it. The speaker terminal caps cannot be fully removed from the base.

2. Insert the wire into the terminal fully and turn the terminal cap clockwise to securely connect it:



Make sure none of the wire insulation is under the terminal, only the bare, stripped wire.

3. Make sure it is fastened firmly by pulling the cable lightly.

Subwoofer

Connect a subwoofer using a commercially-available RCA cable.
Use a subwoofer with built-in amplifier referred to as a 'powered subwoofer'.

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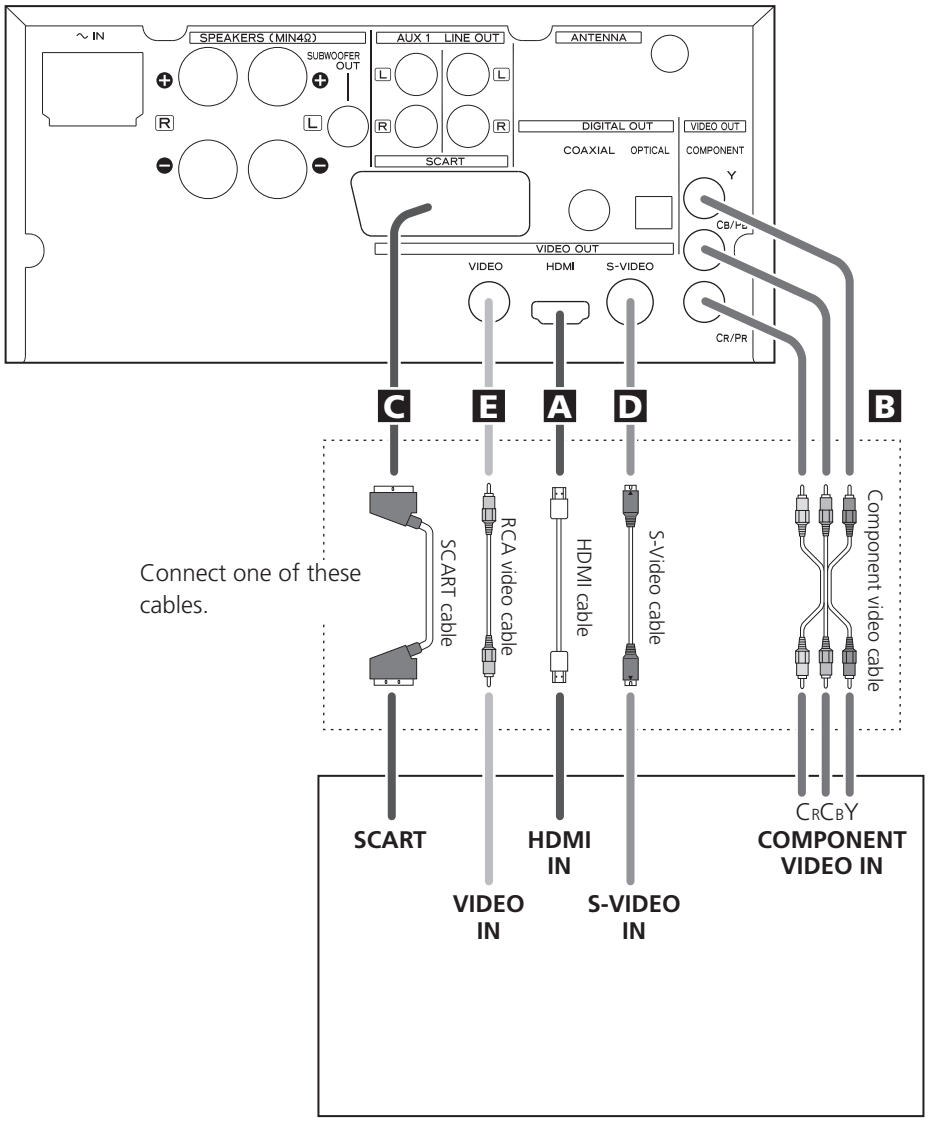
Connection to a TV

CAUTION:

- Switch off the power to all equipment before making connection.
- Read the instructions of each component you intend to use with this unit.
- Be sure to insert each plug securely. To prevent hum and noise, avoid bundling the signal interconnection cables together with the AC power cord or speaker cables.



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- Adjust the video aspect ratio to match that of the television (see page 39) .
- This unit adopts analog copy protection features. If the unit is connected to a TV through a video recorder, the resulting playback may be affected. **Connect the unit directly to the television.**
- In all cases, use the highest quality cables for the best possible picture.

- Select proper setting in the Video Output setup (see page 41).

A HDMI video/audio output terminal

Use a commercially available HDMI cable to connect the unit to a HDMI compatible television or monitor.

HDMI video output formats
480p (NTSC) or 576p (PAL)
720p
1080i

- See page 42 for further details on HDMI video output formats.
- If the television or monitor is equipped only with a DVI terminal, a suitable adaptor cable or adaptors should be used. Note that the television connected in this way must be HDCP compatible. Also note that this connection outputs no sound.
- Make sure that you read and understand the documentation provided with the HDMI component, as well as this unit's documentation.

To output audio from the HDMI terminal
If the connected HDMI component is capable of inputting HDMI audio, digital audio can be output from the HDMI terminal.

- Select 'ALL' or 'PCM only' in the DIGITAL AUDIO setup (see page 40).
- To enjoy the digital surround audio from DVD-Video discs, connect the HDMI terminal to a surround amplifier and set the DIGITAL AUDIO Setup to 'ALL' (see page 40).

B Component video output terminals

Use commercially available component video cables to connect the unit to the component video inputs of a suitably equipped television or monitor to enjoy a high-quality picture. Use these terminals in preference to S-Video or composite video connections.

- If the component video terminals are connected to a television with progressive scan capabilities, the output can be set to match this (see page 41).

- Note that these terminals cannot be connected to high definition component terminals.

C SCART

Use a commercially available 21-pin RGB-ready SCART cable to connect the unit to a RGB SCART compatible television or monitor.

- Select 'RGB' in the Video Output setup (see page 41).
- If your TV or monitor has a SCART jack that is not compatible with RGB, connect the component with a SCART cable, and select 'S-VIDEO' or 'Y Cb/Pb Cr/Pr' in the Video Output setup.
- Both audio and video signals are output from this socket.

D S-Video output terminal

Use a commercially available S-Video cable to connect the unit to the S-Video input of a suitably equipped television or monitor. Use this connection in preference to a composite video connection.

E Composite video output terminal

Use a commercially available RCA (pin) video cable to connect the unit to the composite video connector of a television or monitor. Use this connection only if no other video connection method is available.

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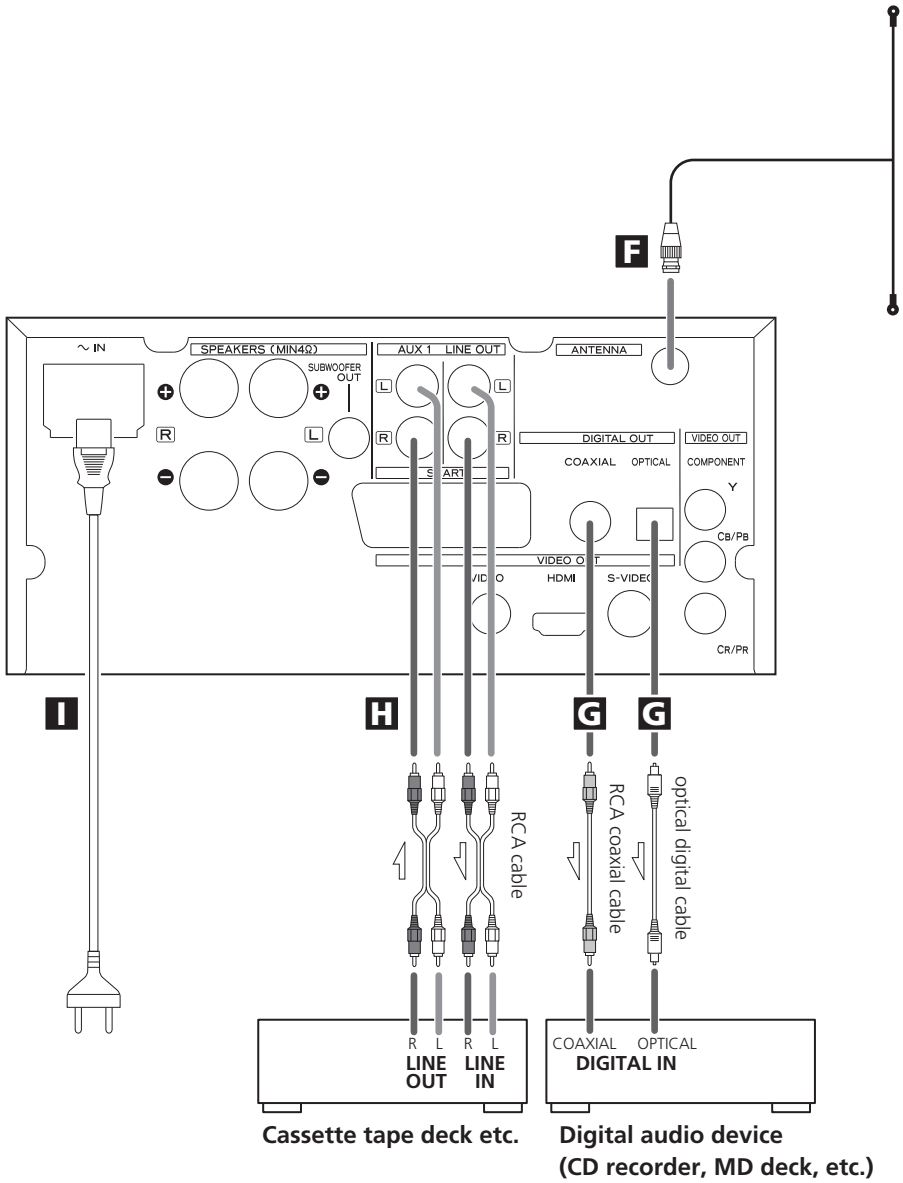
Connection to audio equipments etc.

CAUTION:

- Switch off the power to all equipment before making connection.
- Read the instructions of each component you intend to use with this unit.
- Be sure to insert each plug securely. To prevent hum and noise, avoid bundling the signal interconnection cables together with the AC power cord or speaker cables.



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F DAB/FM Indoor Antenna

Connect the supplied T-type DAB/FM antenna to the ANTENNA socket by turning the antenna's screw cap clockwise.

Extend the lead vertically and attach it to a window frame or wall with thumbtacks, or the like, where reception is best.

- You can check the antenna adjustment or positioning for the best reception by viewing the signal strength on the display (see page 45).

DAB Outdoor Antenna

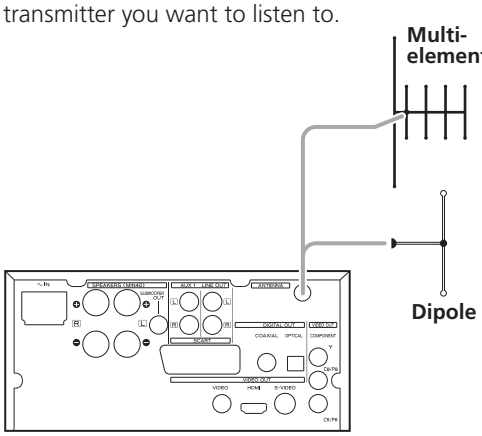
In an area where DAB signals are weak, it will be necessary to use an outdoor DAB antenna. For general use, there are two types available.

Dipole:

For use in marginal signal areas. This type of antenna is omnidirectional and should increase the strength of all DAB stations being received.

Multi-element antenna:

Also for use in marginal or poor signal areas. This type of antenna is directional and has high gain. This antenna needs to be pointed at the transmitter you want to listen to.



- It is possible to use a TV or FM antenna with your DAB tuner as this is normally mounted externally. This may give a stronger signal than a simple internal antenna, however it would not be tuned specifically for DAB reception.

  You would need to change the plug on your TV/FM antenna to an F type, and it may also be necessary to use a signal booster to enhance the signal.

G Digital audio output terminals

Digital audio from DVD-Video, CD and video CD is output from these terminals.
The unit may be connected using either coaxial or optical (TOS) commercially available cables to amplifiers including a decoder, or to digital audio devices such as CD recorders, etc.

COAXIAL: Use RCA (pin) digital audio cable
OPTICAL: Use optical digital audio cable (TOS)

- Keep the supplied cap to cover the OPTICAL terminal when it is not in use.
- Select 'ALL' or 'PCM only' in the DIGITAL AUDIO setup (see page 40).
- In FM, DAB or AUX (1 or 2) mode, no sound is output from the DIGITAL OUT terminals.

H AUX 1/LINE OUT jacks

Analog 2-channel audio signal is input or output from these jacks. Connect a cassette tape deck etc. to these jacks using commercially-available RCA cables.

Make sure to connect:
white plug → white jack (L: left channel)
red plug → red jack (R: right channel)

I Power cord receptacle

After all other connections have been made, insert the supplied AC power cord into this receptacle, then connect the other end of the power cord into the wall socket. Ensure that your AC voltage corresponds to the voltage marked on the rear panel of the unit. Consult a qualified electrician if you are in doubt.

- In order to avoid the risk of electric shock, fire, and so on, only use the supplied power cord.
- If you are not going to use the unit for some time, disconnect the power cord from the wall socket.

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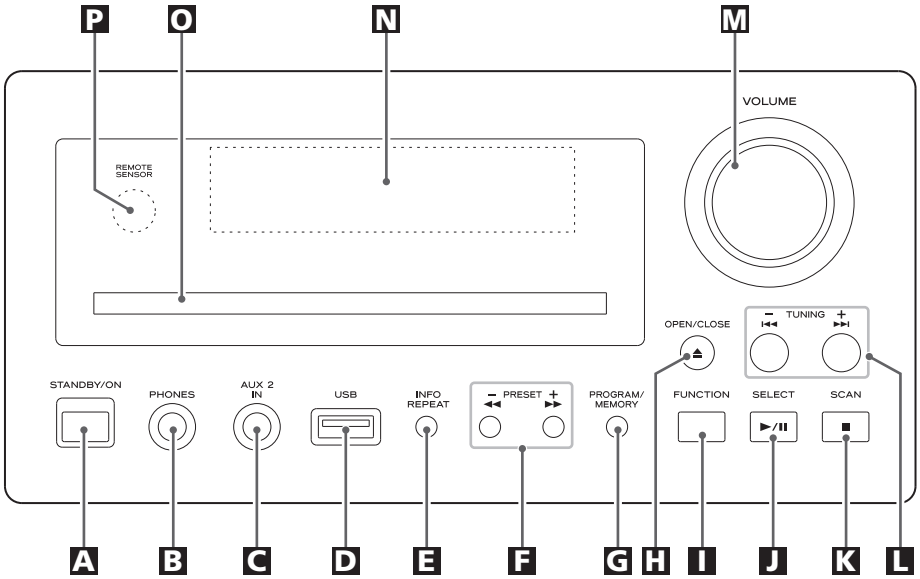
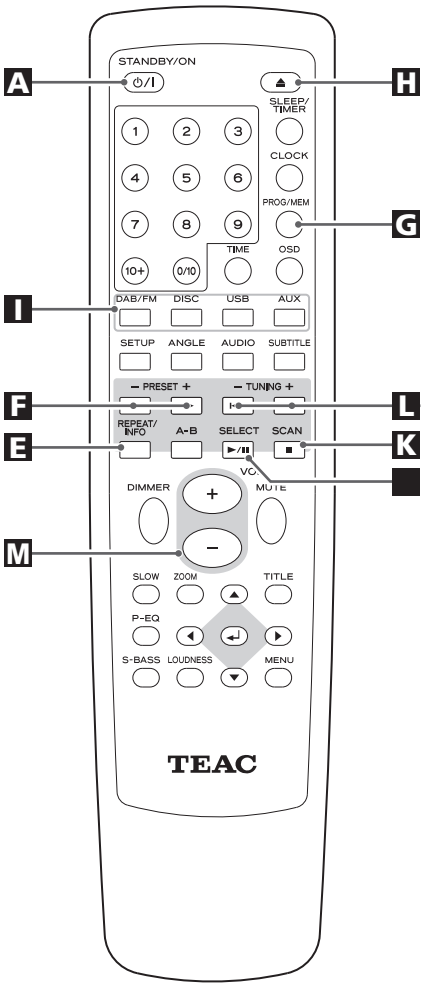
Identifying the Parts 1





Note:

To simplify explanations, instructions in this manual refer to the names of the buttons and controls on the front panel only. Associated controls on the remote control will also operate similarly.

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A STANDBY/ON

Use this button to turn the unit on and standby. The standby indicator lights in the standby mode. It turns off when the unit is turned on.

> The equipment draws nominal non-operating power from the AC outlet with its STANDBY/ON in the standby position.

B PHONES jack

For private listening, insert the headphones plug into this jack, and adjust the volume using the VOLUME knob.

C AUX 2 IN jack

You can connect a portable audio player to this jack.

D USB connector

You can connect an USB memory device to this connector.

E INFO, REPEAT

In DISC or USB mode, use this button for repeat playback.

In DAB or FM mode, use this button to choose the type of information displayed.

F SCAN (◄◄ / ►►), PRESET

In DISC or USB mode, use these buttons to search for a part of a track.

In DAB or FM mode, use these buttons to select a preset channel.

G MEMORY, PROGRAM

In DISC or USB mode, use this button to program tracks.

In DAB or FM mode, use this button to preset stations.

H OPEN/CLOSE

Use this to open and close the disc tray.

I FUNCTION

Use this button to select a function (FM, DAB, DISC, USB, AUX1 or AUX2).

J Play/Pause (►/II), SELECT

In DISC or USB mode, use this button to start or pause playback.

In FM mode, use this button to select stereo or monaural.

K Stop (■), SCAN

In DISC or USB mode, use this button to stop playback.

In FM mode, use this button to preset stations automatically.

In DAB mode, use this button to start scanning the stations you can listen to. (Quick Scan: 10B to 13B) Press and hold this button for more than 2 seconds to start 'Full Scan' (The unit will scan all the Band III).

L SKIP (I◄◄ / ►►I), TUNING

In DISC or USB mode, use these buttons to skip tracks.

In DAB or FM mode, use these buttons to tune in a station.

M VOLUME

Turn this knob (or press the VOLUME buttons of the remote control unit) to adjust the volume level.

N Display

O Disc tray

P Remote control sensor

Receives signals from the remote control unit. Point the remote control unit at this sensor when operating the remote control unit.

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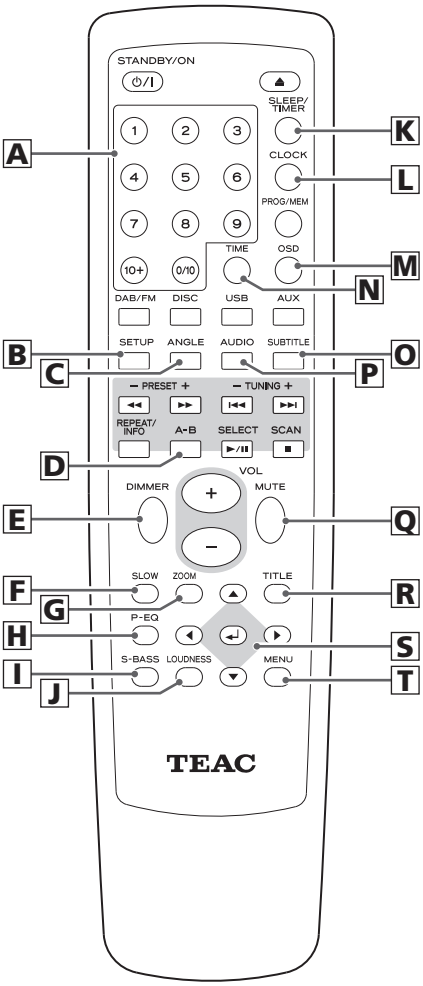

A Number buttons

Use these buttons to key in track numbers, passwords, preset channels, etc.

B SETUP

Use this button to enter the setup menu where you can set up the parameters of the unit.

C ANGLE

Use this button to select camera angles during DVD playback.

D REPEAT A-B

In DISC or USB mode, use this button to specify a section and play it repeatedly.

E DIMMER

Use this button to change the brightness of the front panel display.

F SLOW

In DISC mode, use this button for slow motion video playback.

G ZOOM

In DISC or USB mode, use this button to zoom the picture.

H P-EQ (Preset Equalizer)

This button offers Classic, Jazz, Rock, Pop and Flat (off) modes.

I S-BASS

Use this button to boost bass.

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J LOUDNESS

Use this button to compensate for the loss of bass at low volumes.

K SLEEP, TIMER

When the unit is on, use this button to set sleep timer.

In the standby mode, use this button to set timer.

L CLOCK

In the standby mode, use this button to adjust clock.

M OSD

Use this button to display information about the currently playing disc.

N TIME

Use this button to start time search.

O SUBTITLE

Use this button to select the displayed subtitles during DVD playback.

P AUDIO

Use this to select an audio language etc.

Q MUTE

Use this button to mute the sound.

R TITLE

When a VCD (version 2.0) is loaded, use this button to turn the PBC function on or off.

During PBC playback, use this button to display a menu.

S Cursor buttons and ENTER

Use these cursor buttons for navigation of on-screen menus and the ENTER button to confirm selections.

T MENU

Use this button with menu-enabled DVD discs to bring up the DVD menu.

During playback of MP3/WMA/JPEG files, use this button to switch between the folder list and the file list.

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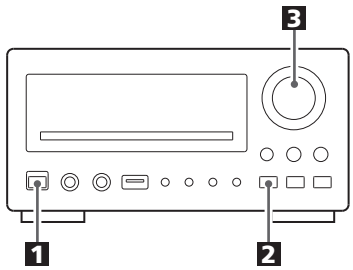
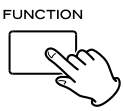


1 Press the STANDBY/ON button to turn the unit on.

- The unit turns on with the source that was last selected.
- You can also use the FUNCTION button (or the DAB/FM, DISC, USB or AUX button of the remote control unit) to turn the unit on.

2 Press the FUNCTION button (or the DAB/FM, DISC, USB or AUX button of the remote control unit) to select a source.

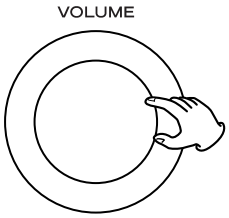


The selected source is shown on the front panel's display.

Each time the FUNCTION button is pressed, the source changes as follows:
FM → DAB → DISC → USB → AUX1 → AUX2

- Press the DAB/FM button of the remote control unit once or twice to select FM or DAB.
- To listen to an external source connected to the AUX IN jack, select AUX1 or AUX2. Press the AUX button of the remote control unit once or twice to select AUX 1 or AUX 2.

3 Play the source, and adjust the volume using the VOLUME knob.



The volume is adjustable from MIN (00) to MAX (63). You can hold down the VOLUME – or + buttons of the remote control unit to reduce or bring up the volume continuously.

- Press the STANDBY/ON button to put the unit in the standby mode when it is not being used.

Recording a Source

You can record a source such as a Compact Disc onto a MD or a cassette tape connected to the DIGITAL OUT terminal or the LINE OUT jacks.

1. Select a source to be recorded by pressing the FUNCTION button.

2. Start recording.

- The volume, and tone control (S-BASS, LOUDNESS and P-EQ) have no effect on the recording signals.
- In FM, DAB or AUX (1 or 2) mode, no sound is output from the DIGITAL OUT terminals. In this case, use the LINE OUT jacks.

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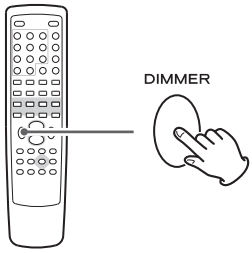
Dimmer

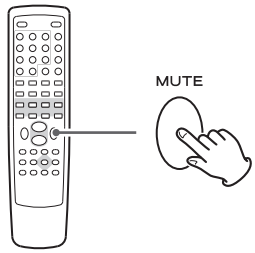


You can dim the front panel's display.
Use the DIMMER button to cycle between these settings:

Full brightness
Medium brightness
Minimum brightness

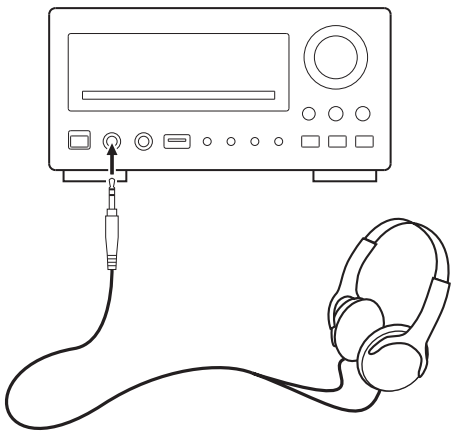
Muting

To mute the sound temporarily, press the MUTE button. Press the MUTE button again to restore the sound.



- While muting is engaged, 'Muting' blinks on the display.
- If you change the volume during the muting, the muting will be cancelled.

Headphones



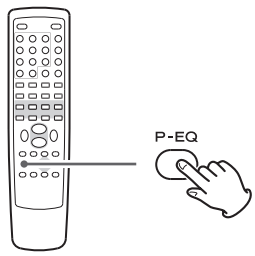
Insert the headphones plug into the PHONES jack, and adjust the volume.

CAUTION

Always lower the volume level prior to plugging in your headphones. TO AVOID DAMAGING YOUR HEARING - Do not place your headphones on your head until after you have plugged them in.

Preset Equalizer

Press the P-EQ button repeatedly to select a preset equalizer.



CLASSIC:
A balanced sound; suitable for classical music.

JAZZ:
Suitable for jazz music.

ROCK:
Provides a heavy powerful sound; suitable for rock music.

POP:
Emphasizes vocal tones; suitable for popular music.

FLAT:
Equalizer is off.

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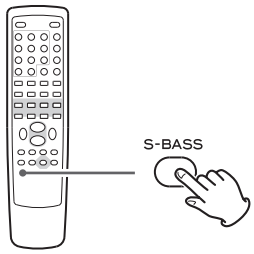
Basic Operation 2

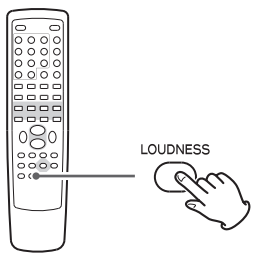
S-BASS (Super Bass) button



Press the S-BASS button to turn the Bass boost function on or off.

- The S-BASS and the LOUDNESS buttons don't work together.

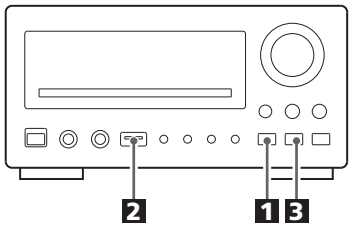
LOUDNESS button



This button compensate for the loss of bass at low volumes.

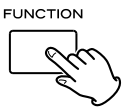
Select off when listening at normal levels.

Listening to a USB Memory Device



- Do NOT use a high-capacity USB hard disc with this unit.

1 Press the FUNCTION button to select 'USB'.



2 Plug your USB memory device into the USB connector.

- You can reverse steps **1** and **2**.

It takes a few seconds for the unit to load the USB memory device. Some files may automatically start playback.

3 Press the PLAY button to start playback if playback has not started automatically.

USB memory device compatibility

- Only USB flash memory can be used.
- Some flash memory players that charge from a USB terminal cannot be played back.
- Hard disk drives, CD/DVD drives, and others connected via USB cannot be used.
- The DR-H300DAB cannot copy, move, or delete files.
- Playable format: FAT12, FAT16, FAT32
- NTFS, HFS, HFS+ cannot be used.
- Max. number of playable folders: 300
- Max. number of playable files: 650

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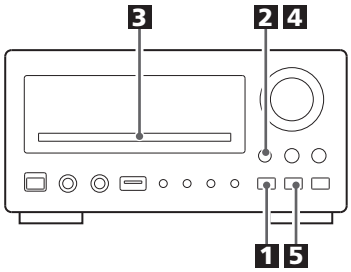
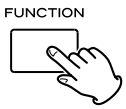
Listening to a Disc

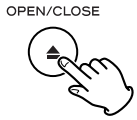


1 Press the FUNCTION button to select 'DISC'.

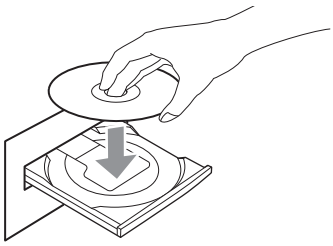
- When no disc is loaded in the CD player, 'NO DISC' is displayed.



2 Press the OPEN/CLOSE button (⏏) to open the tray.

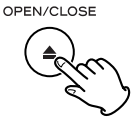


3 Insert the disc label side up.



- In the case of double-sided discs, the side to be played should be face down.
- Make sure the disc is centered in the tray in order to avoid any malfunction or jamming of the tray or damage to the disc.

4 Press the OPEN/CLOSE button (⏏) again to close the tray.



The tray will close. Take care that you don't catch your fingers in the tray.
The unit reads the disc (this may take a little time).
Some discs may automatically start playback.

5 Press the PLAY button to start playback if playback has not started automatically.

If a menu is shown on screen (some DVD or video discs may show such a menu), see 'On-screen menu' on page 24-25.

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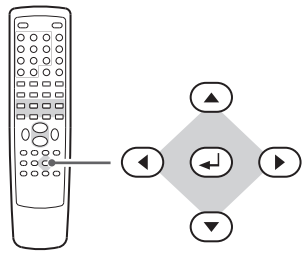
On-screen menu

An on-screen menu is shown when a DVD or video CD with playback control (PBC) content is loaded.
The way in which the menu works may differ from disc to disc.

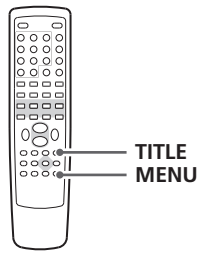
DVD menus

Use the cursor buttons to select the menu item from a DVD, and confirm the selection using the ENTER button.



Returning to the menu screen

Press either the MENU button or the TITLE button.



- Depending on the disc, pressing MENU during playback may restart playback from the first chapter.
- This function is not available with a DVD-RW disc with VR content.

Video CDs with PBC

When a Video CD (Version 2.0) or Super Video CD with Playback Control functions (PBC) is loaded, press the MENU button to turn the PBC function on or off.

When the PBC function is turned off:

Playback will start from the first track.

When the PBC function is turned on:

A menu will appear on the screen.
Select an item using the numeric buttons to start playback.

- Press the ►►I button to advance to the next page of the menu. Press the I◄◄ button to return to the previous page.
- If you press the TITLE button during PBC playback, the menu will appear on the screen.

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MP3 and Windows Media-formatted audio files

When a disc or USB is loaded, a list of directories appears on the screen.
Select a directory by pressing the ▲/▼ buttons and press the ENTER button.
File names will appear on the screen. Select a file and press the ENTER button or the PLAY/PAUSE (►/❚❚) button. Playback will start from the selected file.

- Press the MENU button to switch between the folder list and the file list.
- If you want to return to the parent folder, display the folder list using the MENU button, select '..' using the cursor buttons and press the ENTER button.
- Depending on the disc, invisible folders such as 'TRASH' might be shown on the screen. Please disregard folders which do not contain playable files.
- It may take 30 seconds or more to display the list of files depending on the disc you are playing back.
- During playback, elapsed time of the current file is displayed on the front panel display.

JPEG files

When a JPEG disc is loaded, a slide show starts automatically.

- Press the MENU button to exit the slide show or thumbnail mode. The list of directories will appear on the screen

Choose a picture in the directory list using the ▲/▼ buttons. After a short wait a thumbnail of the picture will appear on the right. Press the ENTER or the PLAY/PAUSE button to start the slide show from the selected picture.

Following buttons are available during the slide show:

- Press the SKIP buttons (I◄◄ / ►►I) to view a previous or next picture.
- Press the ◄ /► buttons to rotate the image.
- Press the PLAY/PAUSE (►/❚❚) button to pause the slide show.

How to display thumbnails:

During a slide show, press the STOP button to display thumbnails on the screen. Use the ▲/▼/◄ /► buttons to select a picture and press the ENTER button to the start slide show from the selected picture.

- Select ◄PREV or NEXT► to move to the previous or next screen of thumbnail images.

Note

- Some pictures may appear distorted due to the configuration or characteristics of the disc. Large pictures may take a short while to appear due to their data size.
- If a disc contains both MP3/WMA and JPEG files, playback of MP3/WMA will start automatically and JPEG files will be skipped. To play JPEG files, select a JPEG file using the ▲/▼ buttons and press the ENTER button.

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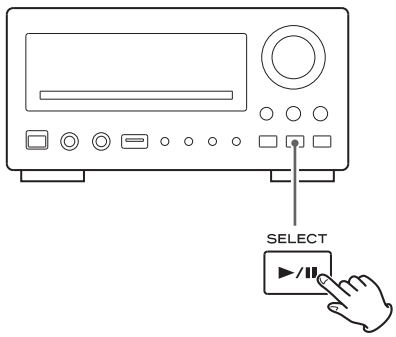
Basic Operations for a Disc and USB Memory Device

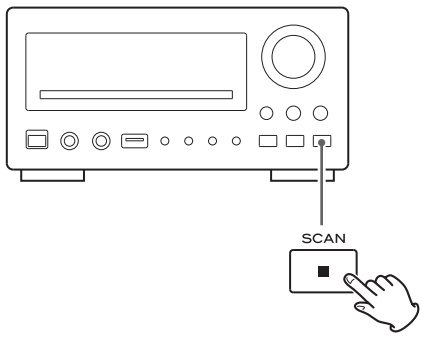
Pausing playback (freezing the picture)



Press the PLAY/PAUSE button to pause audio playback. Any DVD or video CD image is frozen. Press the PLAY/PAUSE button again to restart playback.

- Caution - do not leave player in the 'pause' mode for extended periods of time. Damage to your television or the player may occur.

Stopping playback (Resume mode)

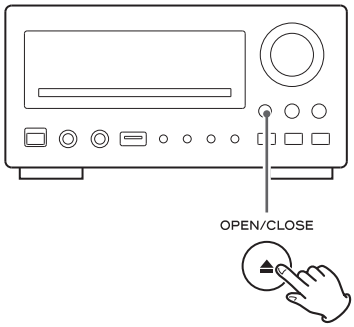


When the STOP button is pressed, playback is stopped, and the display shows 'Press Play Key To Continue'. Pressing PLAY continues playback.

Pressing any of the following buttons cancels resume mode:

STOP in the stop mode, OPEN/CLOSE, FUNCTION, STANDBY/ON

Opening and closing the tray



Pressing OPEN/CLOSE opens the tray if it is closed, and closes it if it is open. When the tray is opened during playback, it may take a few seconds before the disc is 'unloaded' and the tray opens.

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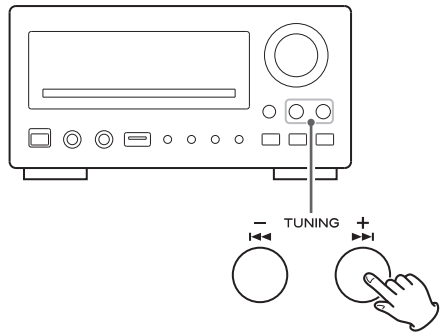
DVD VCD CD MP3 WMA JPEG DIVX

Skipping playback

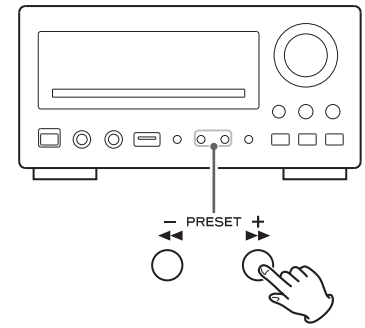


Press the SKIP button (⏮ or ⏭) repeatedly until the desired chapter or track is found. The selected chapter or track will be played from the beginning.

- When playing back video CDs with PBC, the ⏮ button is disabled.

DVD VCD CD MP3 WMA JPEG DIVX

Fast scanning



Search for a part of a chapter/track

To search quickly the disc in the forward or reverse direction, press the SCAN buttons (◀◀ or ▶▶) during playback.
Press the PLAY/PAUSE button (▶/❚❚) when the part you want to listen to is found.

Each time the SCAN button (◀◀ or ▶▶) is pressed, the search speed changes as follows:
x2 → x4 → x8 → x16 → x32 → normal speed

- VCD/CD/MP3: When you scan to the end (or beginning) of a track, the scan function will be cancelled and normal speed playback will continue.
- The sound is muted during scanning.
- This function may not work with some discs.

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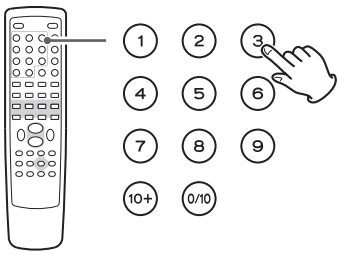
DVD VCD CD MP3 WMA JPEG DIVX

Selecting a chapter or track



Use the number button to select tracks or chapters for playback.

Example (DVD, VCD, CD)
To select No.3, press '3'.
To select No.10, press '0/10'.
To select No.12, press '10+' and '2'.
To select No.20, press '10+' and '0/10'.
To select No.23, press '10+', '10+' and '3'.

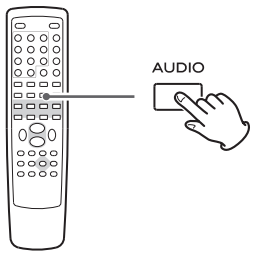
- To select a MP3 or WMA file, enter 3 digit numbers.

Example (MP3, WMA)
To select No.3, press '0/10', '0/10' and '3'.
To select No.10, press 'press '0/10', '1' and '0/10'.

- The numeric buttons do not work during PBC playback of video CDs.

DVD VCD CD MP3 WMA JPEG DIVX

Selecting audio



Many DVD discs include audio in different languages, as well as stereo and multi-channel surround versions of the soundtrack.
CDs and video CDs allow the left, right or stereo channels to be selected.
Pressing the AUDIO button changes between the different audio tracks available, and the result is shown on screen.

- Sometimes the picture playback will appear to freeze momentarily when the audio is changed.
- It may be necessary to change the audio on some discs using the on-screen disc menu.
- Some discs cannot have their audio changed in the way described here, as well as some discs which only have one audio stream. If you attempt to select different audio with these discs, the prohibition sign '⊘' is shown on screen.

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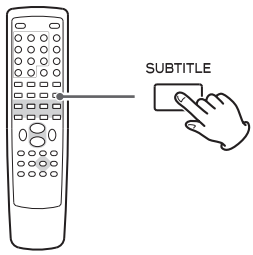
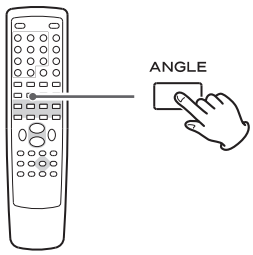
Selecting subtitles



Use the SUBTITLE button to select DVD subtitles.
Repeated presses of this button cycle through available languages on a disc until OFF is reached (no subtitle).

- Subtitles do not always appear immediately after the language has been selected. It may be necessary to wait a few seconds until the subtitles appear.
- Some captions on some discs cannot be removed or changed using this button. Additionally, a disc must have at least one captioning language available for this to work. Some discs may have only one sub-caption language, in which case, the choice is obviously restricted to one subtitle or no subtitles.
- It may be necessary to change the subtitles on some discs using the on-screen disc menu.
- Some discs cannot have their subtitles changed in the way described here. If you attempt to select a different subtitle with these discs, the prohibition sign '⊘' is shown on screen.

Changing camera angle



When a scene recorded with multiple angles is played, the angle icon appears on the screen. Each time you press the ANGLE button while the angle icon is displayed, the camera angle changes.

- When no other angle is recorded, the prohibition sign '⊘' will be displayed.
- The ANGLE button doesn't work during pause.

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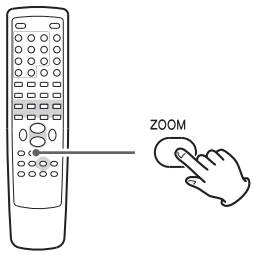
DVD VCD JPEG DIVX

Picture Zoom



To zoom the picture, press the ZOOM button during playback.

Each time the ZOOM button is pressed, the magnification level changes as follows:

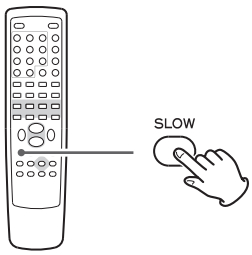
DVD, DivX, VCD:
2x, 3x, 4x, 1/2, 1/3, 1/4, OFF

JPEG:
100%, 125%, 150%, 200%, 75%, 50%, OFF

- You can shift the zoom point by pressing the ▲/▼/◄ /► buttons during zoom playback.
- Zooming does not work on subtitles or menu screens.

DVD VCD DIVX

Slow motion



For video discs only (DVD and VCD)
To play a disc in slow motion, press the SLOW button. Each time the SLOW button is pressed, the speed changes as follows:

DVD:
II► 1/2, II► 1/4, II► 1/8, II► 1/16, ◄II 1/2, ◄II 1/4, ◄II 1/8, ◄II 1/16, normal speed

VCD/DivX:
II► 1/2, II► 1/4, II► 1/8, II► 1/16, normal speed

To resume normal playback, press the PLAY/PAUSE button (►/❚❚).

- The sound is muted during slow-motion playback.

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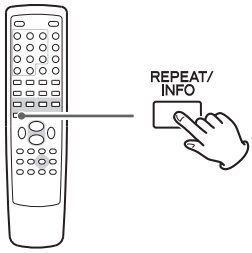
DVD VCD CD

Repeat playback



Each time the REPEAT button is pressed, the mode is changed as follows:

DVD:
REPEAT CHAPTER → REPEAT TITLE
→ REPEAT ALL → OFF
CD/VCD:
REPEAT TRACK → REPEAT ALL → OFF

- This feature is not available for all discs. The prohibition sign '⊘' is shown on screen in such cases when an attempt is made to repeat playback.
- If one of the following buttons is pressed, repeat mode will be canceled:

STANDBY/ON, OPEN/CLOSE, FUNCTION

Repeat chapter or track

The currently selected chapter (or track) is played repeatedly. If another chapter is selected during repeat playback, the newly-selected chapter will be played repeatedly.

Repeat title (DVD only)

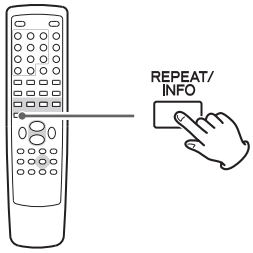
The current title is played repeatedly.

Repeat all

The whole contents of the disc will be played repeatedly.

MP3 WMA JPEG DIVX

Repeat and Shuffle playback



Each time the REPEAT button is pressed, the mode is changed as follows:

REPEAT ONE → REPEAT FOLDER → SHUFFLE → OFF

- If one of the following buttons is pressed, repeat mode will be canceled:

STANDBY/ON, FUNCTION

File repeat

The currently selected file is played repeatedly. If another file is selected during repeat playback, the newly-selected file will be played repeatedly.

Folder repeat

All the files in the folder will be played repeatedly.

Shuffle (MP3/WMA/DivX only)

The whole contents of the disc will be played randomly.

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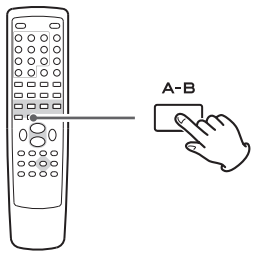
DVD VCD CD MP3 WMA DIVX

A-B repeat playback



Repeat Playback of a Designated Section (A-B Repeat)

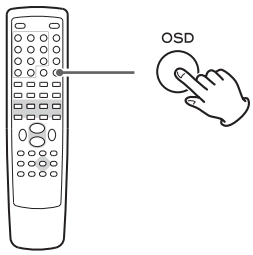
1. **Start playback and designate the point at which the A-B repeat should start (point A) by pressing the A-B button.**

2. **When the point at which repeat playback should end (point B) is reached, press the A-B button again.**
   The designated section will be played repeatedly.

- When playing a CD/VCD, the point A and B should be selected from the same track.
- The SEARCH button (►►) can be used to fast-forward to point B after designating point A.
- There should be more than one second between A and B.
- To cancel the A-B Repeat, press the A-B button again.

DVD VCD CD DIVX

Changing the display mode



Each time the OSD button is pressed during playback, following information appears on the screen.

DVD

elapsed time of the current title
↓
remaining time of the current title
↓
elapsed time of the current chapter
↓
remaining time of the current chapter
↓
display off

CD/Video CD

TT (Track Time)
elapsed time of the current track
↓
TR (Track Remain)
remaining time of the current track
↓
DT (Disc Time)
elapsed time of the disc
↓
DR (Disc Remain)
remaining time of the disc
↓
display off (VCD only)

DivX

elapsed time of the current file
↓
remaining time of the current file

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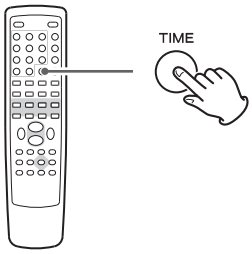
VCD CD

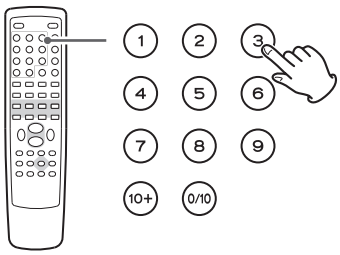
Time Search (VCD/CD)

1. **During playback, press the TIME button.**
   If you want to search the entire disc, press the TIME button once.
   'DT: - - : - -' is highlighted on the screen.

   If you want to search within the current track, press the TIME button twice.
   'TT: - - : - -' is highlighted on the screen.



2. **Within 7 seconds, enter your desired minute and second using the numeric buttons.**



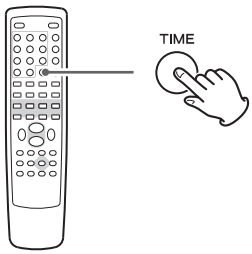
   For example, if the length of the current track is 3 minutes, enter a number smaller than 3 minutes.

   Playback starts from the selected part.

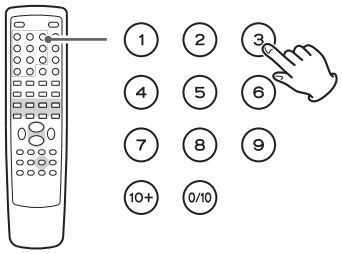
MP3 WMA

Time Search (MP3/WMA)

1. **During playback, press the TIME button twice.**
   '- - : - -' is highlighted on the screen.



2. **Within 7 seconds, enter your desired minute and second using the numeric buttons.**



   For example, if the length of the current file is 3 minutes, enter a number smaller than 3 minutes.

   Playback starts from the selected part.

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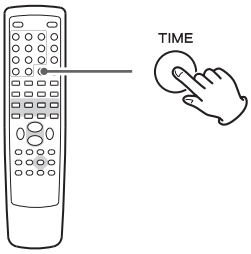
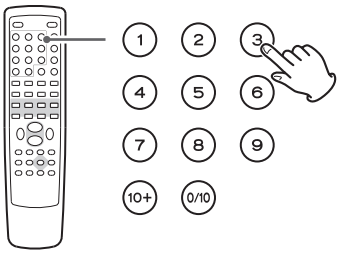
Chapter Search/ Time Search (DVD)

Chapter Search

1. During playback, press the TIME button once.



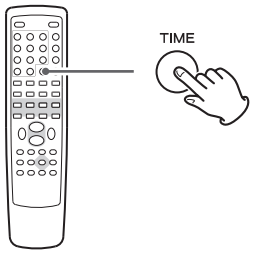
2. Within 7 seconds, enter your desired chapter number (2 digit) using the numeric buttons.



Playback starts from the selected chapter.

Time Search

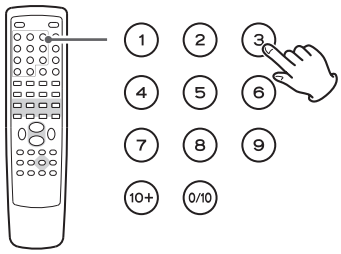
1. During playback, press the TIME button.



If you want to search within the current title, press the TIME button twice.

If you want to search within the current chapter, press the TIME button three times.

2. Within 7 seconds, enter your desired hour, minute and second using the numeric buttons.



Playback starts from the selected part.

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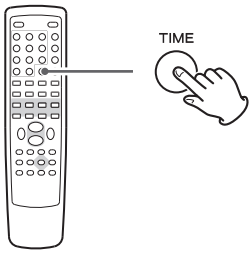
Chapter Search/ Time Search (DivX)

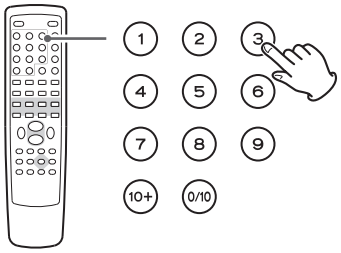
Chapter Search

1. During playback, press the TIME button once.



'SELECT - - -' appears on the screen.

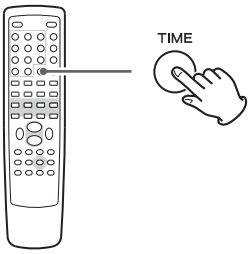
2. Within 7 seconds, enter your desired file number (3 digit) using the numeric buttons.



Playback starts from the selected file.

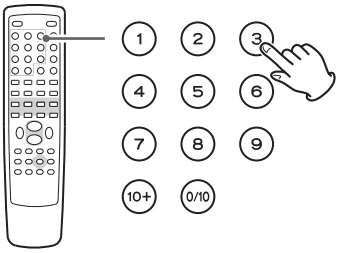
Time Search

1. During playback, press the TIME button twice.



'GO TO -:- - - -' appears on the screen.

2. Within 7 seconds, enter your desired hour, minute and second using the numeric buttons.



Playback starts from the selected part.

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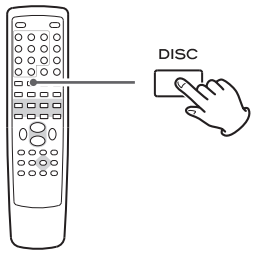
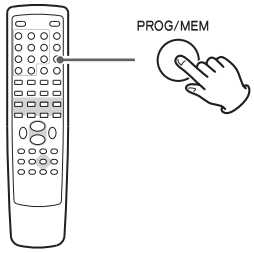
Programmed playback

Up to 20 chapters/tracks can be programmed in the desired order.

1 If another source is selected, press the DISC button or the FUNCTION button to select 'DISC'.



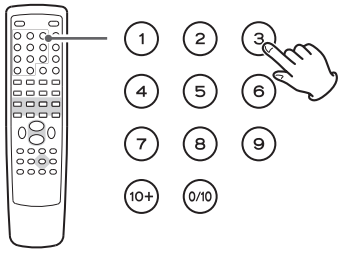
2 Press the PROGRAM button.



The program list appears on the screen.

- To cancel the program mode, press the PROGRAM button again, or select 'EXIT' using the cursor buttons and press the ENTER button.

3 Enter your desired 'title and chapter number' or 'track number' using the numeric buttons.



Example:

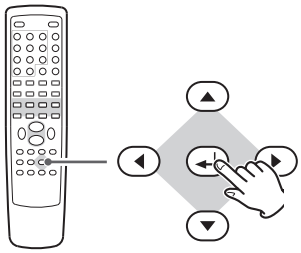
To select No.3, press '3'.
To select No.10, press '0/10'.
To select No.12, press '10+' and '2'.
To select No.20, press '10+' and '0/10'.
To select No.23, press '10+', '10+' and '3'.

Repeat this step to program more chapters/tracks.

- If you made a mistake, move the cursor on the track number and overwrite it using the numeric buttons.

- To program more than 11 chapters/tracks, press the ►►I button to advance to the next program page (or select '▶I' using the cursor buttons and press the ENTER button). Press the I◄◄ button to return to the previous page.

4 When the selection of chapter/track numbers is completed, select 'START' using the cursor buttons and press the ENTER button to start programmed playback.



- During programmed playback, the numeric buttons don't work.

- When playback ends, the program is cleared.

- If you press one of the following buttons, the programmed contents will also be cleared.
  OPEN/CLOSE, STANDBY/ON, STOP
  FUNCTION (AUX, USB, DAB/FM)

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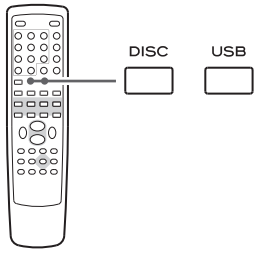
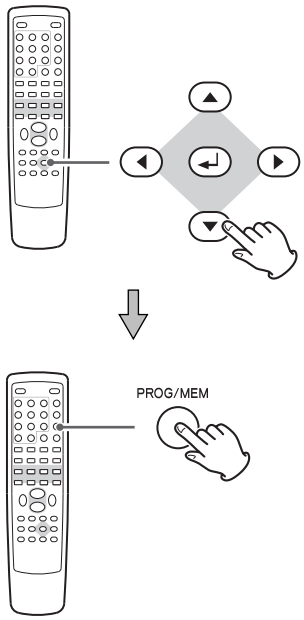
Programmed playback

1 If another source is selected, press the FUNCTION button to select 'DISC' or 'USB'.

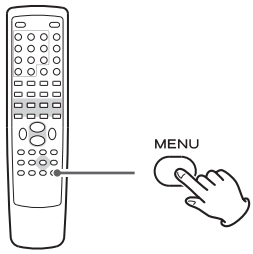


2 Select a file using the cursor buttons and press the PROGRAM button.

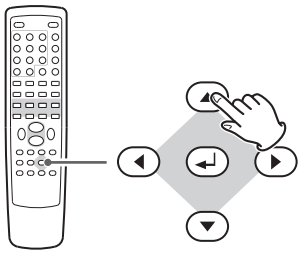


The file is added to the program list.
Repeat this step to program more files.

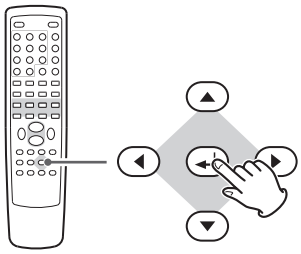
3 Press the MENU button once or twice to display the program list.



4 Highlight the first file in the program list using the cursor buttons.



5 Press the ENTER button or the PLAY/PAUSE button to start programmed playback.



- If you press one of the following buttons, the programmed contents will be cleared.
  FUNCTION (AUX, USB, DAB/FM)
  OPEN/CLOSE (in DISC mode), STANDBY/ON,

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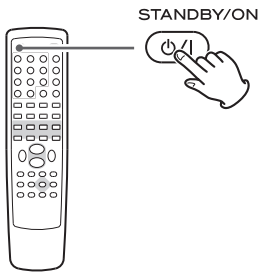
Settings for DVD playback (introduction)

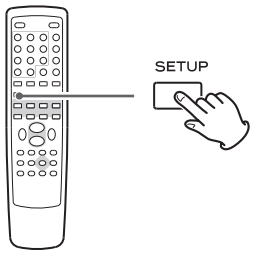
This chapter describes how to use the SETUP menu. Most settings and adjustments are required to be set when you first use the system.

Using the SETUP menu, you can adjust the picture size, set a preferred language for audio and the OSD (on screen displays), limit playback by children, et cetera.

1 Turn on the main unit, and the television (monitor).



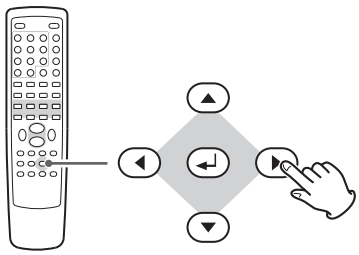
2 Press the SETUP button.



The setup menu appears on the screen.

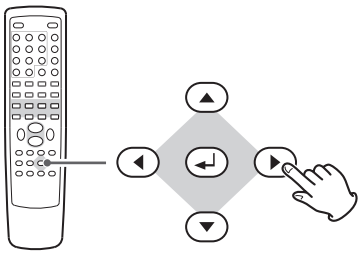
- Exit the setup mode by pressing SETUP once again.
- Although it is possible to enter the setup menu while playback is continuing (or in resume mode), not all menu functions will be available. Expand the number of available functions by pressing the STOP button twice.

3 Use the cursor buttons to navigate the menus.

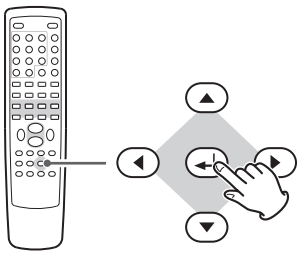


If no cursor is visible on the screen, use the left and right buttons to select a page.
Use the up and down buttons to highlight menu items within the selected page.
Press the left button to return to the upper menu.

4 Enter the menu item with the right cursor button.

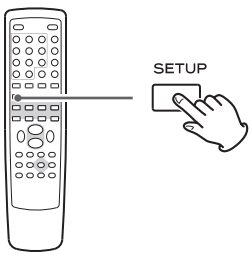


5 Use the up and down cursor buttons to select the options within the menu item, and ENTER to confirm the entry.



Individual menu functions are described on pages 39 through 43.
Repeat steps **3** through **5** as required.

6 Exit the setup mode by pressing SETUP once more.



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TV Display

Because the shape of the television or monitor may not match the shape of the movie frame, you may need to change the way in which the image is displayed to avoid distortion on older televisions, which use a 4:3 aspect ratio; high-definition televisions use 16:9 (as do movies).

Note that you may need to read your television's manual in conjunction with this section in order to achieve the best results. Some discs do not allow the aspect ratio to be changed and you will therefore have to change the aspect ratio on the TV.

Make this setting while playback is stopped; you cannot do this while playing back a disc.

4:3 PAN SCAN

This mode is used with 4:3 televisions. 4:3 images are displayed normally. When showing 16:9 programs, the full height of the screen is used, but the left and right part of the image are cut off.

4:3 picture

16:9 picture

4:3 LETTERBOX

This mode is used with 4:3 televisions. 4:3 images are displayed normally. 16:9 images are visible at their full width, but a blank area is left at the top and bottom of the screen.

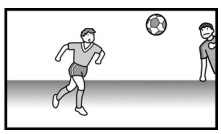
4:3 picture

16:9 picture

16:9

Use with a 16:9 wide television.

4:3 picture



16:9 picture

- Some wide-screen discs that do not permit Pan & Scan mode playback are automatically played in Letterbox mode.
- Depending on the DVD, Letterbox may be selected automatically instead of Pan & Scan and vice versa.
- If WIDE is selected and a normal TV is connected, 16:9 content will appear distorted during playback (objects look thin).

OSD Language

Select the desired language for onscreen menus from the following:

English (default), French, German,
Italian, Spanish, Dutch

NOTE: If the unit is set to a foreign language and you find it impossible to read the menu settings, you can restore all the factory default settings, and the menus will appear in English again (all other settings will be wiped out).

Screen Saver

ON (Default):

The screen saver starts up if nothing is played back and no operations are performed for 3 minutes.

OFF:

The screen saver does not start up.

DivX Code

In case you need the registration code to play DivX files, select this.

The registration code of the player will be displayed.

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Digital Audio Setup

SPDIF OFF:

Select this when you don't use the DIGITAL OUT or the HDMI terminal.
No signal is output from these terminals.

ALL:

Select this when the unit is connected to an audio component equipped with a built-in Dolby Digital or DTS decoder via the DIGITAL OUT or the HDMI terminal.

PCM only (Default):

Select this when the unit is connected to an audio component such as amplifier/receiver, CD recorder or MD deck via the DIGITAL OUT or the HDMI terminal.

DOLBY DIGITAL Setup (Dual Mono)

STEREO

Normally select this for stereo playback.
Left channel is output from the left speaker, and right channel is output from the right speaker.

L-MONO

Left channel is output from the left and right speakers.

R-MONO

Right channel is output from the left and right speakers.

3D Processing

This setting provides following sound effects:
Off, Concert, Living Room, Hall,
Bathroom, Cave, Arena, Church

Night Mode (Dynamic range control)

ON

Applies dynamic range control to Dolby Digital material, reducing the volume of loud sounds, and increasing the volume of quiet ones. This is useful for spoken word material, etc. as well as nighttime listening.

OFF (default)

Turns off the audio dynamic compression.

- This function is effective only when playing back a DVD disc recorded with Dolby Digital. This control has no effect on other discs.
- The overall effect of this setting depends on many things: the disc being played, the amplifier, and the speakers used for reproduction.

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Video Output

Select proper setting in accordance with the connection (see page 12-13).

S-VIDEO
Select this when your TV or monitor is connected to the S-VIDEO terminal.

Y Cb/Pb Cr/Pr
Select this when your TV or monitor is connected to the COMPONENT VIDEO terminals.

RGB
Select this when your TV or monitor is connected to the SCART jack.

TV Mode

This setting is available only when 'COMPONENT' is set to 'Y Cb/Pb Cr/Pr'.

This setting allows the selection of interlaced (INTERLACE) or progressive-scan (PROGRESSIVE) video from the component video outputs.
Progressive-scan video provides a better, clearer picture. However, it is not supported by every television or monitor, and you should ensure that this is supported fully before turning on this option.

- When your TV isn't compatible with progressive scan, never select 'PROGRESSIVE'. No picture will be shown on the monitor.
  In case you select 'Progressive' by mistake, connect your TV via the VIDEO OUT jack or S-VIDEO jack to display the Setup menu and change the setting to 'INTERLACE'.

'CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 480 (525) OR 576 (625) PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 480p (525p) AND 576p (625p) DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

Color Setting

1. Highlight 'COLOR SETTING' and press the right button.

2. Use the up and down buttons to select the parameter.

Sharpness
Adjusts the sharpness of the picture shown on the monitor.
Select HIGH, MEDIUM or LOW using the cursor buttons, and press the ENTER button.

Brightness
Adjusts the brightness of the picture
Use the left and right buttons to change the value, and press the ENTER button.

Contrast
Adjusts the picture contrast
Use the left and right buttons to change the value, and press the ENTER button.

Gamma
Adjusts the gamma value of the picture
Select HIGH, MEDIUM, LOW or NONE using the cursor buttons, and press the ENTER button.

Hue
Adjusts the green/red balance of the picture (only for progressive-scan and S-Video output)
Use the left and right buttons to change the value, and press the ENTER button.

Saturation
Adjusts the saturation level.
Use the left and right buttons to change the value, and press the ENTER button.

Luma Delay
Adjusts the luma delay.
Select 0T or 1T using the cursor buttons, and press the ENTER button.

3. Press the left button when done, to return to the Video Setup Page.

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Settings (Video Setup Page)

HDMI

ON

Select this when your TV or monitor is connected to the HDMI terminal.

OFF

Select this when you don't use the HDMI terminal. No signal is output from the HDMI terminal.

- When your TV isn't connected to the HDMI terminal, never select 'ON'. No picture will be shown on the TV.

Resolution

This setting is available only when 'HDMI' is set to 'ON'.

Select proper resolution for yout TV or monitor.

480p 60Hz
720p 60Hz
1080i 60Hz
576p 50Hz
720p 50Hz
1080i 50Hz

Settings (Preference Page)

TV Type

PAL (Default):

Select this when the unit is connected to a PAL TV.

AUTO:

Select this when the unit is connected to a MULTI TV.

NTSC:

Select this when the unit is connected to an NTSC TV.

Audio, Subtitle, Disc Menu

You can select a preferred language for audio, subtitle and disc menu.

- When you select a preferred language that is not recorded on the DVD, one of the recorded languages is automatically selected.
- You can override the AUDIO setting in the SETUP menu by pressing the AUDIO button on the remote control unit while a DVD disc is playing.
- You can override the SUBTITLE setting in the SETUP menu by pressing the SUBTITLE button on the remote control unit while a DVD disc is playing.
- Select OFF to turn subtitles off.
  Note that subtitles on some discs cannot be removed even when you select OFF.

Parental

See page 43 for details.

Default

All the items in the SETUP menu (except for the password and parental control) will be reset to the default settings.

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Parental (Parental control)

Playback of some DVD discs can be limited depending on the age of the users. The parental comtrol system allows the playback limitation level to be set by the parent. The default setting is '8'.

Notes

- The lower the level, the stricter the limitation.
- If the rating of the loaded DVD disc is higher than the level you set, the system will require a password. Enter your password and press the ENTER button to start playback.

1. Select the desired parental control level from the menu, then press ENTER to save it.
2. You will be prompted to enter your password. Use the numeric buttons to enter 2580 (or your privacy password if already established).

   No need to enter a password if 'Password Mode' is set to OFF.

Password Mode

To change this setting, select ON or OFF, enter your password, and press the ENTER button.

ON

You need a password to change the level of parental control.

OFF

You can change the level of parental control without a password.
You cannot temporarily unlock discs for playback.

Password

You can set a new password for parental control. The default password is 2580.

1. Select 'Change' and press the ENTER button.
2. Enter 2580 (or your privacy password) using the numeric buttons.
3. Enter a new password.
4. Enter the same password again to confirm.
5. Press the ENTER button.

   Remenber your password as you will need it to change the level of control in the future as well as to temporarily unlock discs for playback.
   If you forget your password, use 2580.

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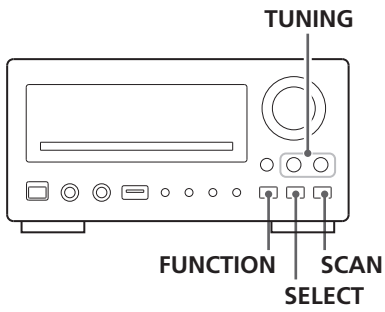
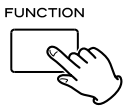


Auto Tuning

1 Select DAB using the FUNCTION button (or the DAB/FM button of the remote control unit).

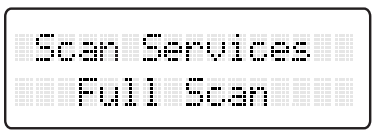


When the unit is switched to DAB mode for the first time, the auto tuning process will start automatically.

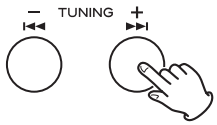
2 Press the SCAN button.

The unit will start scanning the stations that you can listen to. (Quick SCAN: 10B to 13B)

- Press and hold the SCAN button for longer than 2 seconds to activate 'Full Scan' (5A to 13F).

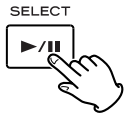


3 When the scanning process has finished, press the TUNING button (+ or –) to select the station you want to listen to.



Manual Tuning

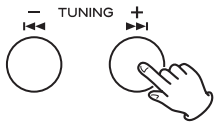
1 While listening to DAB radio, press and hold the SELECT button for longer than a second.



The band name and frequency are displayed.

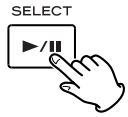
When the unit receives ensemble broadcast at selected frequency, the ensemble name will be displayed in the second line in a few seconds.

2 Press the TUNING button (+ or –) to select the frequency of DAB-ensemble that contains the service (station) you want to listen to.

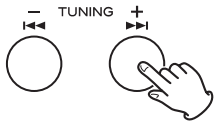


3 Wait a few seconds until the ensemble name appears on the display.

4 Press the SELECT button.



5 Press the TUNING button (+ or –) to select the service you want to listen to.



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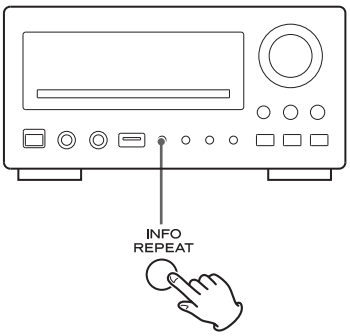
Display Setting of the DAB

You can choose the type of information displayed in the second line of the display while listening to or tuning in a DAB station.

Each time the INFO/REPEAT button is pressed, the information is displayed as follows:



Ensemble name
↓
Date and Time
↓
DLS (Dynamic Label Segment)
↓
Signal level
↓
Programme type
↓
Bitrate

Ensemble name

This displays the name of the Ensemble that is broadcasting the programme.

Date and time

This displays the current date and time, which is supplied by the radio station and should always be accurate.

DLS

The Dynamic Label Segment (DLS) is the scrolling text label supplied by the radio station. It may be information on music titles or details regarding the programme or station.

Signal level

Signal strength display to check the antenna adjustment or positioning for the best reception.

Programme type

This is a description of the type of broadcast supplied by the radio station such as Pop, Rock or Classical music.

Bitrate

The bitrate and sound mode of the current receiving broadcast is displayed.

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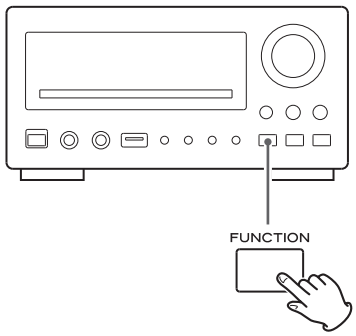
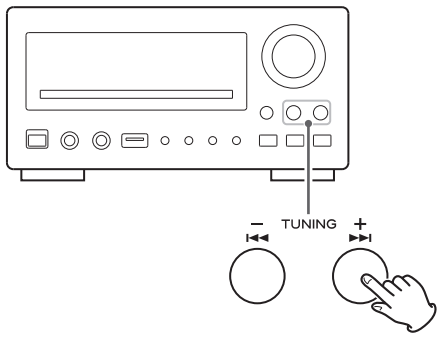
1 Select FM using the FUNCTION button (or the DAB/FM button of the remote control unit).



2 Select the station you want to listen to (auto selection).



Hold down the TUNING button (+ or –) for more than a second.
'Searching...' appears on the display, and the unit starts searching for a station.

When a station is tuned in, the tuning process will stop automatically.
Repeat this step until the station you want to listen to is found.

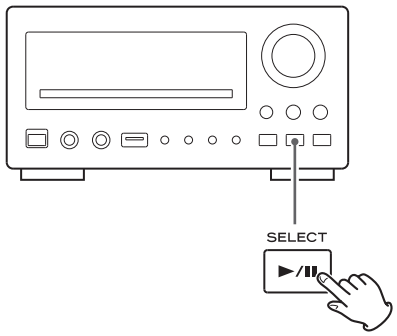
- If you want to stop the tuning process, press the TUNING button.

Selecting stations which cannot be tuned automatically (manual selection)

When the TUNING button is pressed momentarily, the frequency changes by a fixed step.
Press the TUNING button repeatedly until the station you want to listen to is found.

FM mode

Pressing the SELECT button in FM mode alternates between Auto (Stereo) mode and Mono mode.



Auto:

FM stereo broadcasts are received in stereo.

Mono:

To compensate for weak FM stereo reception, select this mode. Reception will now be forced monaural, reducing unwanted noise.

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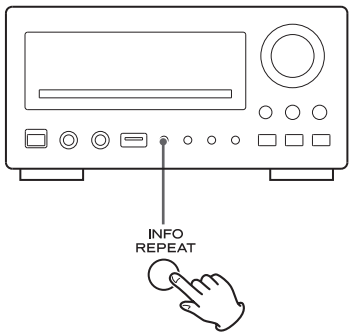
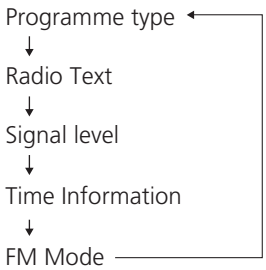
Display Setting of the FM (RDS)

The Radio Data System (RDS) is a broadcasting service which allows stations to send additional information along with the regular radio programme signal.

You can choose the type of information displayed in the second line of the display while listening to or tuning in a FM station.

Each time the INFO/REPEAT button is pressed, the information is displayed as follows.





Programme type

This is a description of the type of broadcast supplied by the radio station such as Pop, Rock or Classical music.

Radio Text

This displays the news of stations composed of up to 64 symbols.

Signal level

Signal strength display to check the antenna adjustment or positioning for the best reception.

Time Information

This displays the current date and time, which is supplied by the radio station and should always be accurate.

FM Mode

This displays the FM mode auto or mono, and the mode of current receiving broadcast.

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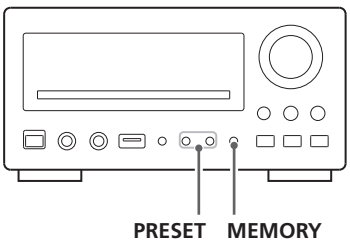
You can store up to 20 DAB and 20 FM stations.

Manual Memory Presetting (DAB/FM)

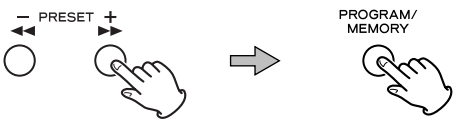


1 Tune in a station you want to listen to.

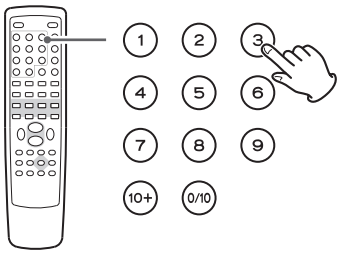
2 Press the MEMORY button.

'Preset' and the preset channel number appears on the display.

3 While the preset channel number is blinking, select a preset channel to store the station using the PRESET buttons, and then press the MEMORY button.



- You can also use the numeric buttons of the remote control unit.



Example

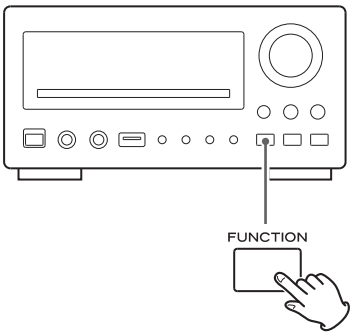
To select No.3, press '3'.
To select No.10, press '0/10'.
To select No.12, press '10+' and '2'.
To select No.20, press '10+' and '0/10'.

To store more stations, repeat steps 1 through 3.

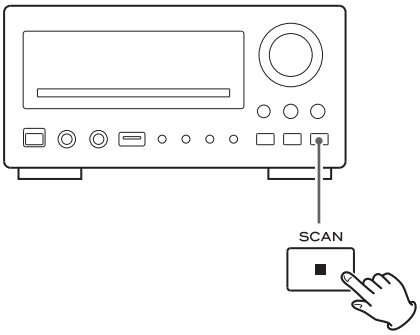
- If you store a new station to a channel, the station previously stored in the channel will be overwritten.

Automatic Memory Presetting (FM only)

1 Select FM using the FUNCTION button (or the DAB/FM button of the remote control unit).



2 Press the SCAN button.



Up to 20 of the best received FM stations in your area will be stored automatically.

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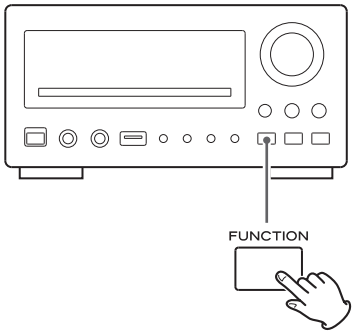
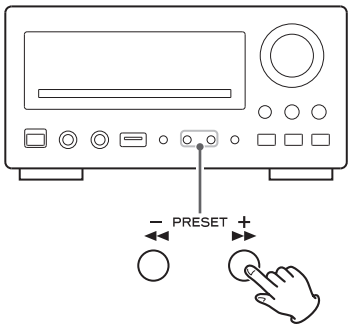
How to select preset stations

1 Select DAB or FM using the FUNCTION button (or the DAB/FM button of the remote control unit).

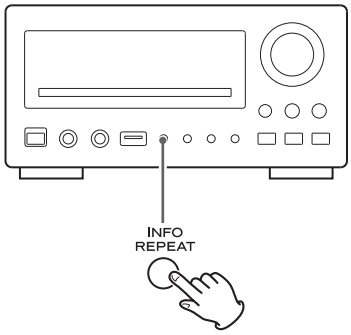


2 Select a preset channel using the PRESET buttons (or the numeric buttons of the remote control unit).



How to erase preset stations (System Reset)

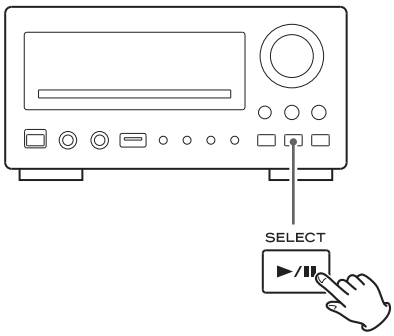
1 In DAB or FM mode, press and hold the INFO/REPEAT button for longer than 2 seconds.



'System Reset' is displayed.

- To cancel the system reset, press the INFO/REPEAT button twice.

2 Press the SELECT button to erase all the preset stations.



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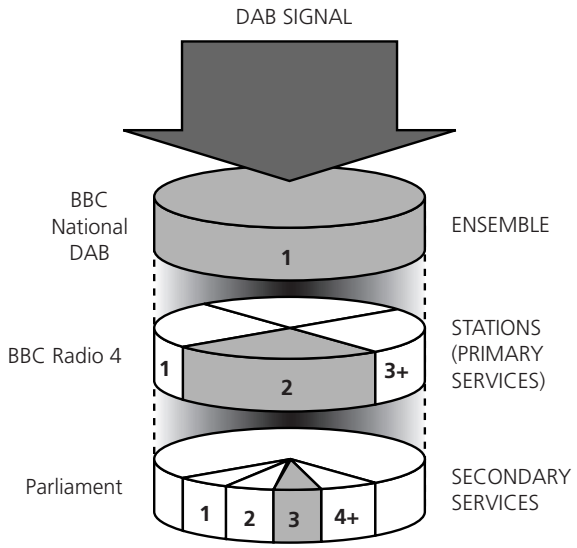
About DAB

With this unit you can receive and listen to Digital Audio Broadcast (DAB) programmes. DAB uses digital, not analogue signals, resulting in near CD-quality audio with virtually interference-free reception. Along with superior quality audio, DAB can also deliver additional audio channels and text. In the future, computer data and images are also possible.

Digital radio is broadcast as groups of data called Ensembles or Multiplexes. Each Ensemble can contain a number of stations (services) and each station contains a primary service and can contain secondary services as illustrated in the following diagram.

Each Ensemble is transmitted in a set frequency range and received by this unit for decoding. You can receive Ensembles broadcast in the 174-240 MHz (Band III) or 1453-1490 MHz (L-band) frequency band and store the services in each Ensemble for you to access. The number of Ensembles you receive depend on your location. Channels used in the UK are in the range 10A to 12D, and for international 5A to 13F. For L-band the channels of LA to LW are available.

Ensembles and stations have labels (names) that are used to identify them. Instead of needing to know the particular frequency of your favourite broadcast, you can simply select the station name. Secondary services and additional data such as text or Ensemble information are also available.



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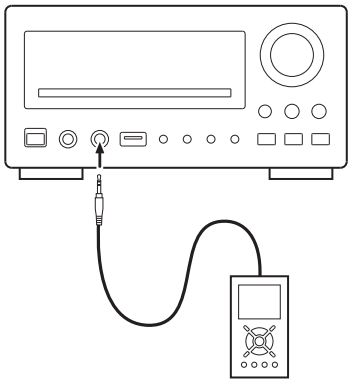
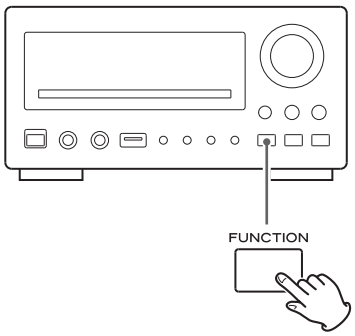
Listening to an External Source

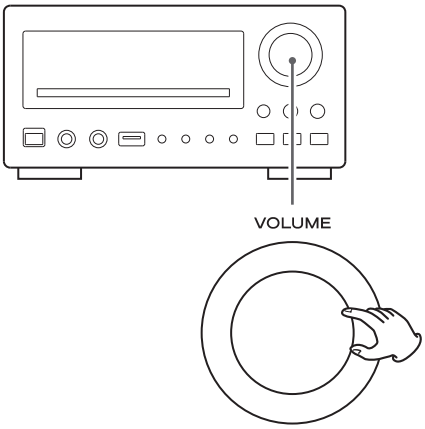
1 Connect the PHONES jack (audio output jack) of a portable audio player to the AUX 2 IN jack of the DR-H300DAB using the supplied stereo mini plug cable.



2 Press the FUNCTION button or the AUX button to select 'AUX2'.



3 Play the source, and adjust the volume using the VOLUME knob of the DR-H300DAB and of the audio player.



When using the PHONES jack of your mini player, you must adjust the volume of the mini-player or you may hear no sound from your DR-H300DAB.

- Turning the volume of the mini player up too high may cause the sound from your DR-H300DAB to be distorted. If this is the case, reduce the volume of the mini player until the distortion stops and then adjust the volume level of the DR-H300DAB to a comfortable listening level

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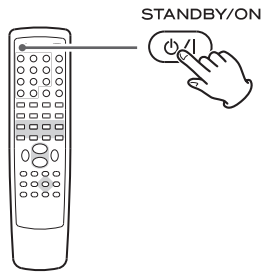
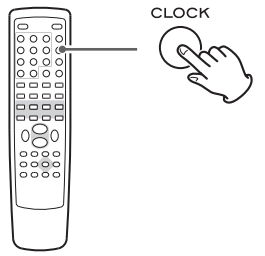
Setting the Clock

1 If the unit is on, press the STANDBY/ON switch to turn it standby.



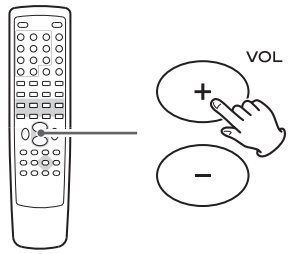
2 Press the CLOCK button.



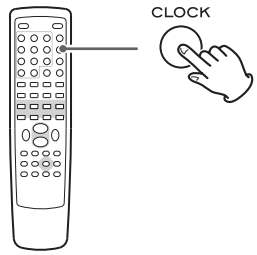
(If '- -:- -' blinks on the display, press the CLOCK button again.)
The 'hour' value starts blinking.

- If no button is pressed for 10 seconds, the time setting mode will be cancelled.

3 Press the VOLUME button to set the current hour.

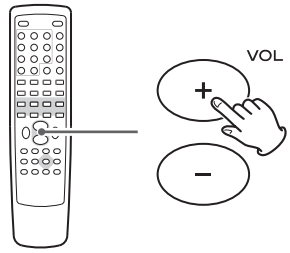


4 Press the CLOCK button.

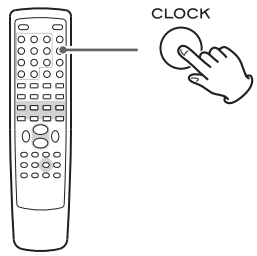


The 'minute' value starts blinking

5 Press the VOLUME button to set the current minute.



6 Press the CLOCK button.



'RDS/DAB Sync OFF' or 'RDS/DAB Sync ON' appears on the display

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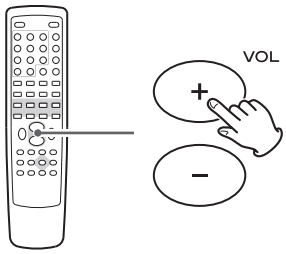
7 Press the VOLUME button to turn on or off the RDS/DAB sync function.



RDS/DAB Sync ON

The clock setting will be automatically adjusted according to the time data from an RDS/DAB station.

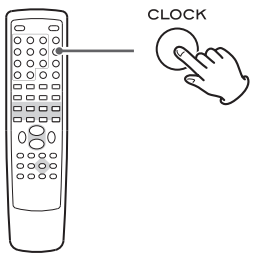
If you tune in an RDS/DAB station broadcasting incorrect time data, the clock might be wrongly adjusted, and that may eventually affect the timer operation.

RDS/DAB Sync OFF

Select this to turn off the RDS/DAB sync function.

8 Press the CLOCK button.

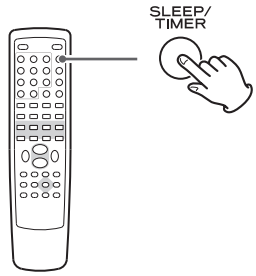
The clock starts.



Sleep Timer

The power can be switched off after a specified amount of time.

Press the SLEEP button repeatedly until desired time appears on the display.



Sleep Time 90 (60, 30, 20, or 10):

The power will be switched off 90 (60, 30, 20, or 10) minutes later.

SLEEP OFF:

The sleep timer is off.

- If you want to check the remaining time, press the SLEEP button once. The remaining time will be displayed for 3 seconds, and then return to the normal display.

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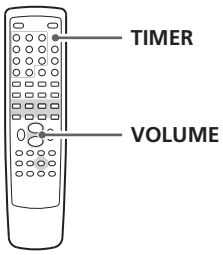
Setting the Timer



- The unit can be programmed to turn on at a specified time.
- Adjust the clock before setting the timer.

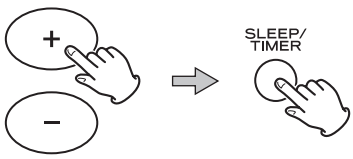
1 If the unit is on, press the STANDBY/ON switch to turn it standby

2 Press the TIMER button.

'Timer Set' appears on the display, and the 'hour' value starts blinking.

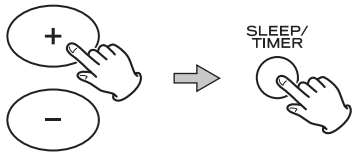
- When no button is pressed for 10 seconds, the timer setting mode will be cancelled.

3 Press the VOLUME button to set the start time (hour), and then press the TIMER button.



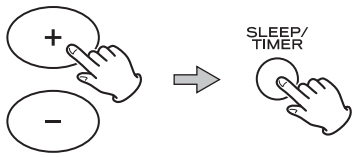
The 'minutes' value starts blinking.

4 Press the VOLUME button to set the start time (minute), and then press the TIMER button.



'ON' or 'OFF' starts blinking.

5 Press the VOLUME button to turn ON or OFF the timer function, and then press the TIMER button.



Select ON to turn the timer function on.
The Timer indicator ' ' appears on the display.

When you don't use the timer, select OFF. (The Timer indicator disappears from the display.)

6 Turn the unit on and prepare the source.

To play a disc, select 'DISC' using the FUNCTION button and set a disc.

To play a USB memory device, select 'USB' using the FUNCTION button and set a USB memory device.

To listen to the radio, select 'FM' or 'DAB' using the FUNCTION button and tune in a station.

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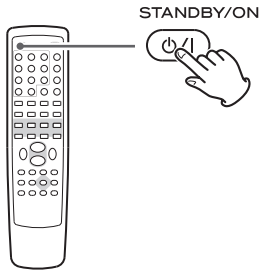
7 Press the STANDBY/ON button to turn the unit off (standby).



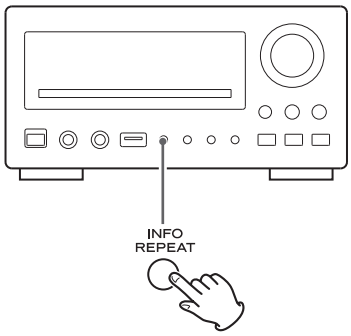
The clock and the TIMER indicator are displayed.

- The unit will turn on at the specified time every day.
- The unit turns on with the source that was last selected.

Don't forget to turn the unit off (standby), or the timer won't work.

Software Version

How to display the software version



1. In DAB or FM mode, press and hold the INFO/REPEAT button for longer than 2 seconds.

'System Reset' is displayed.

2. Press the INFO/REPEAT button.

The software version is displayed.

3. Press the INFO/REPEAT button again to return to the normal display.

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If you have problems with your system, look through this chart and see if you can solve the problem yourself before calling your dealer or TEAC service center.

General

No power

➜ Check the connection to the AC power supply. Check and make sure the AC source is not a switched outlet and that, if it is, the switch is turned on. Make sure there is power to the AC outlet by plugging another item such as a lamp or fan.

➜ Press the STANDBY/ON button to turn the unit on.

Remote control doesn't work.

➜ Press the STANDBY/ON button to turn the unit on.

➜ If the batteries are dead, change the batteries.

➜ Use remote control unit within the range (5 m) and point at the front panel.

➜ Clear obstacles between the remote control unit and the main unit.

➜ If a strong light is near the unit, turn it off.

Severe hum or noise is heard.

➜ Place the unit as far away from a TV as possible.

➜ Make sure the line cords and speaker cables are as far away from the AC supply as possible.

DISC/USB

Will not play.

➜ Reload the disc with the label side UP.

➜ Use a playable disc (see page 6).

➜ If the disc is dirty, clean the surface of the disc.

➜ A blank disc has been loaded. Load a prerecorded disc.

➜ Check the region code of the DVD (see page 6).

➜ If the unit is condensed, leave the unit for one or two hours with the power turned on (see page 5).

Prohibition sign '⊘' appears on the screen.

➜ The operation is not permitted by the disc or the unit.

➜ Note that during playback of a title part (cautions, software maker's logo, etc.), most operations are prohibited by the disc.

➜ If another operation is still in process, wait a moment and try again.

Cannot access some setup menu items.

➜ Although it is possible to enter the setup screen while playback is continuing (or in resume mode), not all menu functions will be available. Expand the number of available functions by pressing the STOP button twice (see page 38).

Scanning stops.

➜ Scanning does not work within menus.

Sound skips.

➜ Place the unit on a stable place to avoid vibration and shock.

➜ If the disc is dirty, clean the surface of the disc.

➜ Don't use scratched, damaged or warped discs.

There is no sound or only a very low-level sound is heard.

➜ Adjust the volume.

➜ Check the connection to the speakers.

➜ Check the DIGITAL AUDIO Setup (see page 40).

➜ The sound is muted during pause, slow-motion, and fast forward/reverse. Press the PLAY/PAUSE button to resume normal playback.

No digital audio output.

➜ Check that the DIGITAL AUDIO Setup is set to 'ALL' or 'PCM only' (see page 40).

Digital audio recording is not possible on another device.

➜ Check that the DIGITAL AUDIO Setup is set to 'PCM only'.

➜ Copy-prohibit material cannot be copied digitally.

No picture/distorted picture

➜ Check the connection to the television (monitor)

➜ Check the operating instructions for the television (monitor) to make sure that you have the right input selected, etc.

➜ If you are using a HDMI connection, make sure it is configured correctly (see page 42).

➜ When your television/monitor isn't compatible with Progressive scan, never set the TV MODE setting to 'PROGRESSIVE' (see page 41).

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Picture noise.

➜ If video from this system has to go through your VCR to get to your TV, the copy-protection applied to some DVD programs could affect picture quality. Please connect the unit directly to your TV.

The image is distorted or monochromatic.

➜ Make sure that the PAL-NTSC setting matches the television/monitor (see page 42).

➜ Adjust the aspect ratio to correspond to the television/monitor in use (see page 39).

The aspect ratio of the screen cannot be changed.

➜ The aspect ratio might be fixed by the disc.

Picture and sound don't match up.

➜ With some TV sets there may be a short pause from when the video signal is received until the image appears. If the sound from the speaker does not match the TV image, minimize the volume level of the DR-H300DAB and output the sound from the TV.

Tuner

Cannot listen to any station, or signal is too weak.

➜ Make sure the antenna is properly connected.

➜ Tune in the station properly.

➜ Install the antenna again after relocating it to a better reception position.

➜ An external antenna may be required.

'N/A' appears on the display.

➜ Make sure the antenna is properly connected.

➜ Ensure that DAB coverage exists in your area.

Cannot access secondary services.

➜ Secondary service is part-time programme transmitted as a side channel of the primary station. When you want to listen to a secondary station, check its broadcasting schedule.

Display goes out or displays 'service off air'.

➜ This may occur if a broadcaster changes the label of a service or removes a label whilst you are listening to it. The DR-H300DAB will try to retune to this station, or alternatively follow the procedure for Auto Tune on page 44.

A burbling sound is heard on some stations.

➜ DAB like other digital media is good at producing quality audio from a low level signal. However, if this signal level is too low, a 'burbling' sound can sometimes be heard. To reduce this, try repositioning your antenna to gain maximum signal strength.

Though the FM broadcast is stereo, it sounds monaural.

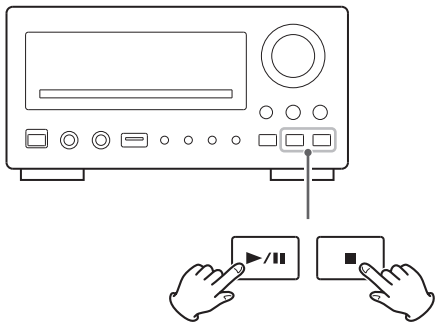
➜ In FM mode, press the SELECT button to switch to AUTO mode.

Malfunctions caused by electrostatic discharge necessitate resetting the product to resume normal operation. To reset the product, simply unplug the power cord from the power outlet and plug it back in.

If unplugging the power cord does not solve the proble, try the following procedure to reset the internal micro-computer.

1. Turn the unit on.

2. Press the STOP button while holding down the PLAY/PAUSE button.



3. Release the STOP button when 'DR-H300V' appears on the display.**

4. Release the PLAY/PAUSE button.

5. Press the STOP button.

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Specifications

DVD/CD Player

Pickup
Semiconductor laser, Wave length 650/790 nm
Color System
NTSC/PAL
Video signal horizontal resolution
More than 480 lines (DVD)
Video signal-to noise ratio
More than 50 dB (DVD)
Audio frequency response
20 Hz to 20 kHz (+1 / –3dB)
Audio signal-to-noise ratio
62 dB
Dynamic range
80 dB

S-Video output
Y (luminance) - Output level: 1.0 Vp-p (75 Ω)
C (color) - Output level: 286 mVp-p (75 Ω)
Jacks: S-VIDEO jack

Video output
Output level: 1.0 Vp-p (75 Ω)
Jacks: RCA jack

Component video output (Y, C_B/P_B, C_R/P_R)
Y-Output level: 1.0 Vp-p (75 Ω)
C_B/P_B, C_R/P_R -Output level: 0.7 Vp-p (75 Ω)
Jacks: RCA jacks

AV connector
Jack: SCART

HDMI output
Jack: HDMI 19 pin (version 1.2a)

Amplifier

Output Power
50 W + 50 W (Stereo, EIAJ, 20 Hz to 20 kHz, 4 Ω)
36 W + 36 W (Stereo, 1 % THD, 20 Hz to 20 kHz, 4 Ω)
Total harmonic distortion
0.7 % (at 5 W, 1 kHz, 4 Ω)
Audio Input sensitivity/impedance
LINE: 600 mV/47 kΩ
Output level/impedance (LINE OUT)
1000 mV / 10 kΩ
Frequency Response
20 Hz to 20 kHz, +0 / –3 dB
Signal-to-noise Ratio
90 dB (IHF-A)

DAB Tuner Section

Tuning Range
Band III: 5A to 13F (174.928 MHz to 239.200 MHz)
Usable Sensitivity
–90 dBm
Frequency Responce
20 Hz - 20 kHz (+1 dB/–1 dB)
Distortion
0.08 %
Signal-to-Noise Ratio
60 dB

FM Tuner Section (Without notes 100.1 MHz, 65 dBf)

Tuning Range
87.5 MHz to 108.0 MHz (50 kHz steps)
Total Harmonic Distortion (1 kHz)
Mono: 1%, Stereo: 1.5%
Frequency Response
40 Hz to 10 kHz
Stereo Separation (1 kHz)
35 dB
Signal-to-Noise Ratio
Mono: 55 dB, Stereo: 45 dB

General

Power Requirements
AC 230 V, 50 Hz
Power Consumption
50 W (STANDBY: 0.98 W)
Dimensions (W x H x D)
215 x 110 x 350 mm
Weight (net)
4.5 kg

Standard Accessories

DAB/FM Antenna x 1
Remote Control Unit (RC-1116 or 1117) x 1
Batteries (AAA, R03, UM-4) x 2
RCA video cable x 1
Warranty card x 1
Owner's manual x 1

- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Illustrations may differ slightly from production models.

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TEAC

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TEAC CANADA LTD.	5939 Wallace Street, Mississauga, Ontario L4Z 1Z8, Canada Phone: (905) 890-8008
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TEAC UK LIMITED	Unit 19 & 20, The Courtyards, Hatters Lane, Watford, Hertfordshire, WD18 8TE, U.K. Phone: (0845) 130-2511
TEAC EUROPE GmbH	Bahnstrasse 12, 65205 Wiesbaden-Erbenheim, Germany Phone: 0611-71580
TEAC AUSTRALIA PTY., LTD. A.B.N. 11 113 998 048	30 Tullamarine Park Road, Tullamarine, VIC 3043, Australia Phone: (03) 8336-6500

This appliance has a serial number located on the rear panel. Please record the model number and serial number and retain them for your records.

Model number Serial number

1006 · MA-1155A UK

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