Register your product at:
www.pioneerelectronics.com

• Protect your new investment
  The details of your purchase will be on file for reference in the event of an
  insurance claim such as loss or theft.
• Receive free tips, updates and service bulletins on
  your new product
• Improve product development
  Your input helps us continue to design products that meet your needs.
• Receive a free Pioneer newsletter
  Registered customers can opt in to receive a monthly newsletter.

Operating Instructions
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.

The lightning flash with arrowhead, 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.

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

IMPORTANT NOTICE – THE SERIAL NUMBER FOR THIS EQUIPMENT IS LOCATED IN THE REAR. PLEASE WRITE THIS SERIAL NUMBER ON YOUR ENCLOSED WARRANTY CARD AND KEEP IN A SECURE AREA. THIS IS FOR YOUR SECURITY.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

[Excluding XW-HTD630/640]

Energy-saving design

This system is designed to use 0.5W of electricity when power is switched to standby.

[For Canadian model only] [Pour le modèle Canadien]

CAUTION – PREVENT ELECTRIC SHOCK: DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION – POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UNE PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

WARNING – TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
IMPORTANT SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the product is operated.

RETAIL INSTRUCTIONS — The safety and operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

CLEANING — The product should be cleaned only as directed by the manufacturer.

ATTACHMENTS — Do not use attachments not recommended by the product manufacturer.

WATER AND MOISTURE — Do not use this product near water — for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

ACCESSORIES — Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer’s instructions, and should use a mounting accessory recommended by the manufacturer.

CAST — A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

GROUNDING OR POLARIZATION — For your protection, this product must be grounded. If it is equipped with a cord having a grounding (grounding) pin, it will only fit into a grounding-type power outlet. If the plug should not fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Power-supply cords should not be left unattended and unused for long periods of time.

OUTDOOR ANTENNA GROUNDING — If an outdoor antenna or cable system is connected to this product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-in static charges. See Article 810 of the National Electrical Code. ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrodes. See Figure A.

LIGHTING — For added protection for this product during a lightning storm, or if it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

POWER LINES — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

OVERLOADING — Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

SUBSTITUTE PARTS — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer, or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

SAFETY CHECK — Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

WALL OR CEILING MOUNTING — The product should not be situated to a wall or ceiling.

HEAT — The product should not be situated near heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

WARNING: Handling the cord on this product or cords associated with accessories sold with the product will expose you to lead, a chemical known to the State of California and other governmental entities to cause cancer and birth defects or other reproductive harm.

Information to User
Alteration or modifications carried out without appropriate authorization may invalidate the user’s right to operate the equipment.

CAUTION : USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT WILL INCREASE EYE HAZARD.

[For XW-HTD630 and XW-HTD640 only]
[For Canadian model only]
Changes or modifications not expressly approved by the manufacturer (party responsible) for Compliance could void the user’s authority to operate the equipment.

[For Canadian model]
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

[Pour le modèle Canadien]
L'utilisation de l'appareil est soumise aux deux conditions suivantes: (1) il ne provoque pas de brouillage, et (2) il peut supporter tous les brouillages, y compris ceux qui sont en mesure de provoquer une anomalie de fonctionnement de l'appareil.

[For Canadian model]
To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

[Pour le modèle Canadien]
Pour éviter le brouillage radioélectrique des émetteurs ayant une licence, cet appareil doit être utilisé à l’intérieur des habitations et loin des fenêtres de manière à assurer la protection maximale. Un équipement (ou son antenne d’émission) lorsqu’il est installé à l’extérieur ne peut être utilisé qu’après obtention d’une licence.
Thank you for buying this Pioneer product.

Please read through these operating instructions so that you will know how to operate your model properly. After you have finished reading the instructions, put them in a safe place for future reference.

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Chapter 1

Before you start

Features

• **DVD-Audio and SACD compatible**
  Experience the super high-quality audio performance of DVD-Audio and Super Audio CD (SACD).
  The on-board 24-bit/192kHz DAC means that this system is fully compatible with high sampling-rate discs, capable of delivering exceptional sound quality in terms of dynamic range, low-level resolution and high-frequency detail.

• **Surround sound entertainment with Dolby Digital and DTS software**
  The built-in Dolby Digital and DTS decoders let you enjoy great surround sound with Dolby Digital and DTS discs.

• **Pure Cinema progressive scan video**
  When connected to a progressive scan-compatible TV or monitor using the component video outputs, you can enjoy extremely stable, flicker free images, with the same frame refresh rate as the original movie.

• **Picture zoom**
  See **Zooming the screen** on page 58.

• **MP3 compatibility**
  See **Compressed audio compatibility** on page 10.

• **JPEG compatibility**
  See **JPEG file compatibility** on page 10.

• **Graphical on-screen displays**
  Setting up and using your DVD home theater system is made easy using the graphical on-screen displays.

• **Wireless speaker system**
  The wireless speaker system can be used for multichannel sound with your main setup, or as a second stereo speaker system.

• **Energy saving design**
  This system is designed to use 0.5 W of power when in standby.

What’s in the box

Please confirm that the following accessories are in the main system box when you open it.

• Remote control
• AA/R6P dry cell batteries x2
• Video cable (yellow plugs)
• AM loop antenna
• FM wire antenna
• Power cord
• These operating instructions
• Warranty card

Please confirm that the following accessories are in the speaker box when you open it.

• Speaker cables (HTD-645DV – x6 / HTD-641DV – x4)
• Non-skid pads for speakers (HTD-645DV – 2 sheets / HTD-641DV – 1 sheet)

Please confirm that the following accessories are included with the wireless speaker system:

• AC adapter
• RCA stereo cord
• Operating Instructions (HTD-641DV only)
• Warranty card
• Power cord (HTD-645DV only)
Before you start

Putting the batteries in the remote control

• Open the battery compartment cover and insert the batteries as shown.
  Use two AA/R6P batteries and follow the indications (⁺, ⋅) inside the compartment.
  Close the cover when you’re finished.

Incorrect use of batteries can result in hazards such as leakage and bursting. Please observe the following:
• Don’t mix new and old batteries together.
• Don’t use different kinds of battery together—although they may look similar, different batteries may have different voltages.
• Make sure that the plus and minus ends of each battery match the indications in the battery compartment.
• Remove batteries from equipment that isn’t going to be used for a month or more.
• When disposing of used batteries, please comply with governmental regulations or environmental public instruction’s rules that apply in your country or area.

Using the remote control

Keep in mind the following when using the remote control:
• Make sure that there are no obstacles between the remote and the remote sensor on the system unit.
• The remote has a range of about 23 ft./7 m at an angle of less than 30º.

• Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the system unit’s remote sensor.
• Remote controllers for different devices can interfere with each other. Avoid using remotes for other equipment located close to this system.
• Replace the batteries when you notice a fall off in the operating range of the remote.

Disc / content format playback compatibility

This player is compatible with a wide range of disc types (media) and formats. Playable discs will generally feature one of the following logos on the disc and/or disc packaging. Note however that some disc types, such as recordable CD and DVD, may be in an unplayable format—see below for further compatibility information.

KODAK Picture CD

KODAK is a trademark of Fuji Photo Film Co. Ltd.
CD-R/RW compatibility
- This system will play CD-R and CD-RW discs recorded in CD Audio or Video CD format, or as a CD-ROM containing MP3 or JPEG files. However, any other content may cause the disc not to play, or create noise/distortion in the output.
- This system cannot record CD-R or CD-RW discs.
- Unfinalized CD-R/RW discs recorded as CD Audio can be played, but the full Table of Contents (playing time, etc.) will not be displayed.

DVD-R/RW compatibility
- Compatible formats: DVD-Video, Video Recording (VR)*
  * Edit points may not play exactly as edited; screen may go momentarily blank at edited points.
- Unfinalized playback: No
- MP3/JPEG file playback on DVD-R/RW: No

PC-created disc compatibility
Discs recorded using a personal computer may not be playable in this unit due to the setting of the application software used to create the disc. In these particular instances, check with the software publisher for more detailed information.
Discs recorded in packet write mode (UDF format) are not compatible with this player.
Check the DVD-R/RW or CD-R/RW software disc boxes for additional compatibility information.

Compressed audio compatibility
- Compatible formats: MPEG-1 Audio Layer 3 (MP3)
- Sampling rates: 32, 44.1 or 48kHz
- Bit-rates: Any (128Kbps or higher recommended)
- VBR (variable bit rate) MP3 playback: Yes
- VBR playback: No
- DRM (Digital Rights Management) compatible: Yes (DRM-protected audio files will not play in this player). See also DRM in the Glossary on page 91.
- File extensions: .mp3 (these must be used for the player to recognize MP3 files – do not use for other file types)
- File structure: Up to 999 files per folder

JPEG file compatibility
- Compatible formats: Baseline JPEG and EXIF 2.1* still image files up to 8 megapixels are supported (maximum resolution is 5120 x 5120 pixels).
  * File format used by digital still cameras
- File extensions: .jpg (must be used for the player to recognize JPEG files – do not use for other file types)
- File structure: Up to 999 files per folder
Chapter 2

Connecting up

Connecting the speakers and wireless speaker system

Connect each speaker using the color-coded speaker cable. Match them to the colored labels above the speaker terminals. Note that surround speaker are not provided with the HTD-641DV, but if you want, you can connect speakers with a nominal impedance of 6Ω–16Ω.

Important

- Before making or changing any rear panel connections, make sure that all the components are switched off and unplugged from the power supply.
Connecting up

Caution

- These speaker terminals can be under HAZARDOUS VOLTAGE. When you connect or disconnect the speaker cables, to prevent the risk of electric shock, do not touch uninsulated parts before disconnecting the power cord.
- Do not connect any of the supplied speakers to any other amplifier. This may result in malfunction or fire. This system is designed for best performance when connected to the supplied speakers. We do not, therefore, recommend connecting and using other speakers with this system.

1. Twist and pull off the protective shields on each wire.

2. Connect to the speaker terminals on the rear of the unit. Match the colored wire with the color-coded label (above the tabs), then insert the colored wire into the red (+) tab and the other wire with the black (−) tab.

3. Connect to the speaker terminals on the rear of the speakers in the same way.

Note

- Remove the supplied non-skid pads from the paper, and stick four onto the base of each satellite speaker (HTD-645DV only – refer to the setup guide for more on this). Actual speakers supplied may differ from those shown.

4. Connect the WIRELESS (IN) jack on the transmitter to the WIRELESS (OUT) jack on the rear panel of the receiver, using the supplied RCA stereo cord. The wireless speaker system can be used for multichannel sound with your main setup, or as a second stereo speaker system.

5. Connect the supplied AC adapter to the DC IN inlet on the rear panel of the unit, then plug into a power outlet.

Note

- Do not use any AC adapter but the one provided with this system.
Connecting up

6 When you’re finished connect the power cord to a household power outlet.
   • HTD-645DV only – Before doing this, plug the supplied power cord into the wireless speaker AC IN inlet (see below).

Placing the speakers
Note that the HTD-641DV does not include surround speakers. If not connected, simply set up your speakers using the Standard surround 5-spot setup shown below, disregarding the surround speakers in the diagram.

Depending on the size and characteristics of your room, you can choose to place your speakers in one of two ways using this system. Note that the following setups are possible when you are using the the wireless speaker as a second stereo system (see Using the wireless speaker system on page 41 for more on this).

• Standard surround 5-spot setup – This is a standard multichannel surround sound speaker setup for optimal 5.1 channel home theatre sound.

• Front surround 3-spot setup – This setup is ideal when rear surround speaker placement isn’t possible or you want to avoid running long speaker cables in your listening area. Use this setup together with the Front Surround modes to take advantage of wall and ceiling reflections for a very realistic surround effect.
The above illustrations are for the HTD-645DV only. If you connected surround speakers to the HTD-641DV, place them on either side of the front speakers as shown below.

See About the listening modes on page 43 for more on using the different listening modes with each speaker setup.

Where you put your speakers in the room has a big effect on the quality of the sound. The following guidelines should help you to get the best sound from your system.

- The subwoofer can be placed on the floor. Ideally, the other speakers should be at about ear-level when you’re listening to them. Putting the speakers on the floor (except the subwoofer), or mounting them very high on a wall is not recommended.
- For the best stereo effect, place the front speakers 6–9 ft. / 2–3 m apart, at equal distance from the TV.
- Install the center speaker above or below the TV so that the sound of the center channel is localized at the TV screen.
- When using a 5-spot setup, install the surround speakers slightly above ear level, if possible.

**Caution**

- Make sure that all speakers are securely installed (if you choose to install the center speaker on top of the TV, be sure to secure it by suitable means). This not only improves sound quality, but also reduces the risk of damage or injury resulting from speakers being knocked over or falling in the event of external shocks such as earthquakes.

**Note**

- The front, and center and surround speakers supplied with this system are magnetically shielded. However, placing them extremely close to a television may result in color distortion on the screen. If this happens, move the speakers a little further away and switch off the television for 15–30 minutes.
- The subwoofer is not magnetically shielded and so should not be placed near a TV or monitor.

**Placing the wireless speaker system**

You can choose to use the wireless speaker system for multichannel sound with your main setup, or as a second stereo speaker system. The Standard surround (5-spot) setup described in Placing the speakers above will achieve the best surround sound when using the wireless speaker system for multichannel sound (the 3-spot setup is not recommended).

**Important**

- After setting up the wireless speaker for multichannel sound, see Setting the channel levels on page 66 to lower the surround speaker levels.

Note that the following illustration shows a speaker setup including surround speakers, which are not included with the HTD-641DV model. See Connecting the speakers and wireless speaker system on page 11 for more on connecting surround speakers.
Connecting up

If not connected, simply set up your speakers using the Standard surround setup as shown below, disregarding the surround speakers in the diagram. Using the wireless speaker, you can still achieve exceptional surround sound from your system.

For best surround sound, make sure to place the wireless speaker directly behind the center of the listening position and no higher than ear level. Also, make sure you don’t move the wireless speaker too far behind the listening position or you will lose much of the surround sound effect. For more placement options, see Using the wireless speaker system on page 41.

Note

- For a greater surround sound effect from the wireless speaker, see Setting the channel levels on page 66 to increase the surround channel levels.
- As well as setting the wireless mode on the speakers, you must also set the mode on the main unit. See Using the wireless speaker system on page 41 for more on this.

Wall-mounting the center and surround speaker system

Surround speakers are not supplied with the HTD-641DV. Illustration shows the HTD-645DV.

Before mounting

- Remember that the speaker system is heavy and that its weight could cause the wood screws to work loose, or the wall material to fail to support it, resulting in the speaker falling. Make sure that the wall you intend to mount the speakers on is strong enough to support them. Do not mount on plywood or soft surface walls.
- Mounting screws are not supplied. Use screws that are suitable for the wall material and that will support the weight of the speaker.

Note

- If you are unsure of the qualities and strength of the walls, consult a professional for advice.
- Pioneer is not responsible for any accidents or damage that result from improper installation.
02 Connecting up

Connecting to your TV
This system has three different kinds of video output that you can use to connect up your TV. Check the available inputs on your TV to see which you can use.

⚠ Important
- Do not connect a VCR between this system and your TV as DVD playback will be affected.
- Use the supplied video cable to connect the VIDEO OUT jack to a video input on your TV.

Connecting using the S-video output
If your TV has an S-video output, you can use this instead of the standard video output for a better quality picture.

- Use an S-video cable (not supplied) to connect the S-VIDEO OUT to an S-video input on your TV.

Note
- Placing the system unit too close to your TV may cause interference, especially if you’re using an indoor antenna. If you notice interference, move the system unit away from the TV.

⚠ Note
- The S-video output is switchable between S1 and S2 formats for compatibility with all TVs. See Video Output settings on page 69 for more on this.
Connecting up

Connecting using the component video output
If your TV has component video inputs, you can use these instead of the standard video output to connect this system to your TV. This should give you the best quality picture from the three types of video output available.

- Use a component video cable (not supplied) to connect the COMPONENT VIDEO OUT to a set of component inputs on your TV.

Watching progressive scan video from the component video outputs
Compared to interlace video, progressive scan video effectively doubles the scanning rate of the picture, resulting in a very stable, flicker-free image. Progressive scan video is available only from the component video output. There are a few things to keep in mind when switching the Component Out (page 69) setting to Progressive:

- When set to Progressive, there is no video output from the VIDEO OUT (composite) and S (S-video) jacks.
- If you want to display video on more than one monitor simultaneously, make sure the player is set to Interlace.

Important

- If you connect a TV that is not compatible with a progressive scan signal and switch the setting to Progressive, you will not be able to see any picture at all. In this case, press STANDBY/ON to put the system in standby, then press and hold the front panel button (stop) for about 8 seconds until the display shows Mem.Clr?. Press the front panel or button so that the display shows Interlace?. Press the front panel button to set to interlace and switch the system back on.

Compatibility of this player with progressive-scan and high-definition TVs
This player is compatible with progressive video Macro Vision System Copy Guard. 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 525 progressive scan picture problems, it is recommended that the user switch the connection to the 'standard definition' output (Interlace).
If there are questions regarding our TV set compatibility with this model, please contact our customer service center.

This system is compatible with the following Pioneer displays and monitors:

**Plasma display**
- PDP-505HD
- PDP-5030HD
- PDP-4330HD
- PDP-5040HD
- PDP-4340HD
- PRO-10000HD
- PRO-8000HD
- PRO-1110HD
- PRO-910HD
- PDP-4300
- PDP-5031

**Projection monitor receiver**
- SD-533HD5
- SD-643HD5
- PRO-710HD
- PRO-610HD
- PRO-510HD
- PRO-720HD
- PRO-620HD
- PRO-520HD
- PRO-730HD
- PRO-630HD
- PRO-530HD

**Listening to TV audio through this system**

You can connect the audio output of your TV to this system so that broadcast TV sound is played through this system.

- Connect a stereo audio cable (not supplied) from the audio outputs of your TV to the TV IN jacks on this system.

**Tip**

- If you find that the TV audio is distorting when played through this system, you can set the input attenuator to reduce the input signal level. See *Optional system settings* on page 74 to do this.

**Using this unit with a Pioneer plasma display**

If you have a Pioneer plasma display (models PRO-1110HD, PRO-910HD, PDP-5040HD, PDP-4340HD), you can use an SR+ cable (see note below) to connect it to this unit and take advantage of various convenient features, such as automatic video input switching of the plasma display when the input is changed.
Connecting up

- Use a 3-ringed miniplug SR+ cable to connect the CONTROL IN jack of this unit through a media receiver to the CONTROL OUT jack of your plasma display.
Before you can use the extra SR+ features, you need to make a few settings in the unit. See SR+ control options for Pioneer plasma displays on page 65 for detailed instructions.

Using the SR+ mode with a Pioneer plasma display
When connected using an SR+ cable, a number of features (such as automatic video input switching and volume muting on the plasma display) become available to make using this unit with your Pioneer plasma display even easier.
See also SR+ control options for Pioneer plasma displays on page 65 for information on setting up the unit.

1. Make sure that the plasma display and this unit are switched on and that they are connected with an SR+ cable.
See Using this unit with a Pioneer plasma display above for more on connecting these components.

2. To switch SR+ mode on/off, press SR+ (SHIFT + 7).
The front panel display shows the new setting; SR+ ON or SR+ OFF.
- If SR+ Error shows in the display, it means there is a communication problem between the unit and the plasma display.
Check all connections and retry.

Note

- The 3-ringed SR+ cable from Pioneer is commercially available under the part number ADE7095. Contact the Pioneer Customer Support division for more information on obtaining an SR+ cable.
- You won’t be able to use the remote sensor of this unit with the CONTROL IN jack of this unit connected to the CONTROL OUT jack of your plasma display. You can use the remote sensor of the plasma display (even in standby) as long as the power isn’t switched off.
- The automatic volume muting feature is enabled separately; see SR+ control options for Pioneer plasma displays on page 65. (You can also use the System Setup menu to switch the SR+ mode of this unit.)
- If you disconnect the SR+ cable or switch the plasma display off while SR+ is on, the setting automatically reverts to SR+ OFF. This displays an error if you switch the input of the unit with the plasma display switched off. Likewise, if this unit is switched off, the link with the plasma display will be terminated.
Connecting up

Connecting the supplied antennas
The supplied antennas provide a simple way to listen to AM and FM radio. If you find that reception quality is poor, an outdoor antenna should give you better sound quality—see Connecting external antennas on page 80 for more on how to do this.

Assembling the loop antenna
1 Bend the stand in the direction indicated.

2 Clip the loop onto the stand.

AM loop antenna
1 Pull off the protective shields of both AM antenna wires.

2 Press the antenna terminal tabs to open and insert one wire into each terminal.

3 Release the tabs to secure the AM antenna wires.

4 Place the AM antenna on a flat surface and point in the direction giving the best reception. Avoid placing near computers, television sets or other electrical appliances and do not let it come into contact with metal objects.
Connecting up

**Note**
- It’s also possible to fix the AM antenna to a wall using two screws (see illustration below). Before fixing, make sure that the reception is satisfactory.

**FM wire antenna**
- Connect the FM wire antenna to the FM UNBAL 75Ω terminal in the same way as the AM loop antenna.
  For best results, extend the FM antenna fully and fix to a wall or door frame. Don’t drape loosely or leave coiled up.

**Note**
- The signal ground (ground) is designed to reduce noise that occurs when an antenna is connected. It is not an electrical safety ground.

**Connecting the power**
Before connecting the power and switching on for the first time make sure that everything is connected properly.

1. Plug one end of the supplied power cord into the AC INLET.
2. Plug the other end into a household power outlet.

**Note**
- See Connecting auxiliary components on page 81 for details of other connections you can make with this system.
Chapter 3
Controls and displays

Front panel

1 STANDBY/ON (page 30)
Press to switch the system on or into standby.

2 DIRECT PLAY buttons (page 34)
Press to start playback of any disc in the player.

3 DVD/CD (page 33)
Press to switch to the DVD/CD function. Also starts/pauses/resumes playback of the currently loaded disc.

4 TUNER FM/AM/ST. (page 39)
Press to switch to the tuner function, then between bands and station presets.

5 TV/L1/L2 (page 40)
Press to switch between the external sources, TV, LINE 1 (L1) and LINE 2 (L2).

6 and
Press to skip tracks/chapters; press and hold to scan backwards/forwards.

7 Play/pause
Press to start or resume playback. During playback, press to pause; press again to restart playback.

8 Play/pause
Press to start or resume playback. During playback, press to pause; press again to restart playback.

9 DISC SKIP (page 34, 36)
• During playback, press to start playing the next disc in the player.
• If the disc tray is open while no disc is playing, the tray rotates one disc space.
• If the disc tray was opened using the EXCHANGE button, then pressing DISC SKIP rotates the disc tray two disc spaces.

10 DISC OPEN/CLOSE

11 PHONES

12 CD MODE TIMER

13 VOLUME UP/DOWN

14 DVD/CD TUNER

15 FM/AM/ST.

16 DIRECT PLAY

17 DISC SKIP EXCHANGE
Controls and displays

10 EXCHANGE (page 36)
Press during playback to open the disc tray without stopping playback. Press again to close the disc tray.

11 ▲ OPEN/CLOSE
Press to open/close the disc tray.

12 Disc tray

13 VOLUME control
Use to adjust the volume.

14 Timer indicator (page 62)
Lights when the timer is set.

15 RW
This mark indicates compatibility with DVD-RW discs recorded on a DVD recorder in Video Recording (VR) mode.

16 CD MODE indicator (page 49)
Lights when the CD Mode is on. In this mode, the system only plays audio CDs and MP3 discs.

17 Display
See Display on page 23 for detailed information.

18 DISC indicators
Shows which disc spaces are currently occupied.

19 PHONES jack
Headphone jack.

Display

1 Tuner indicators (page 39)

Lights when a broadcast is being received.

Lights when a stereo FM broadcast is being received in auto stereo mode.
5 Lights to indicate random or repeat play of all discs loaded.

6 **PGM** (page 53)
   Lights when a program list has been programmed.

7 **RPT and RPT-1** (page 52)
   RPT lights during repeat play. RPT-1 lights during repeat one-track play.

8 **RDM** (page 52)
   Lights during random play.

9 **V.PART**
   Lights when playing a video part of a DVD disc.

10 **ATT** (page 74)
    Lights when the input attenuator is active for the currently selected analog input.

11 **REC MODE** (page 81)
    Lights when Rec Mode is on.

12 **Timer indicators** (page 62)

   - Lights when the timer is set
   - Lights when the sleep timer is active

13 **PRO LOGIC II** (page 44)
   Lights during Dolby Pro Logic II decoding.

14 **DIGITAL** (page 44)
   Lights during playback of a Dolby Digital source.

15 **Speaker indicators**
   These show which speakers are being used to output the current source (they are not placement diagrams). The illustrations below show some example displays.

16 **PRGSVE** (page 69)
   Lights when progressive scan video output is selected.

17 **ADV.SURR.** (page 45)
   Lights when one of the Advanced or Front Surround listening modes is selected.

18 **Lights during playback of a DTS source.**

19 **kHz / MHz**
   Indicates the unit of the frequency shown in the character display (kHz for AM, MHz for FM)

20 **Character display**

21 **Lights during multi-angle scenes on a DVD disc.**

22 **WIRELESS**
   Lights when the **W.Surr.** mode is selected (see Using the wireless speaker system on page 41).
Remote control

1 Ø STANDBY/ON (page 30)
Press to switch the system on or into standby.

2 ▲ OPEN/CLOSE
Press to open/close the disc tray.

3 Function select buttons
Press to select the source you want to listen to (DVD/CD, TUNER, TV, LINE).

4 SOUND MODE
Press to access the sound menu, from which you can adjust the DSP effect level, bass and treble, etc. (pages 44–48) Also switches the recording mode on/off (page 81).

5 Surround sound and enhancement buttons
- SURROUND (page 44)
  Use to select a Surround mode.
- DIALOGUE (SHIFT + SURROUND) (page 47)
  Use to select a Dialogue mode.
- ADVANCED (page 45)
  Use to select an Advanced Surround mode.
- VIR. SB (SHIFT + ADVANCED) (page 47)
  Press to switch the Virtual Surround Back speaker effect on/off.
- FRONT SURROUND (page 45)
  Use to select a Front Surround listening mode.
- BASS MODE (SHIFT + FRONT SURROUND) (page 48)
  Use to select a Bass Mode.

6 DVD buttons
- AUDIO (page 57)
  Press to select an audio channel or language.
- SUBTITLE (page 57)
  Press to display/change the subtitle display.

Important
- Functions printed in green on the remote control are accessed using the SHIFT button. Press the function button you want while holding down SHIFT.
Controls and displays

ANGLE (page 58)
Press to change camera angle during DVD multi-angle scene playback.

ZOOM (page 58)
Press to change the screen zoom level.

7 ROOM SETUP (page 31)
Press to start Room Setup.

WIRELESS (SHIFT+ROOM SETUP)
Press to switch between surround modes with the wireless speaker system (see Using the wireless speaker system on page 41).

8 Disc selection buttons
DISC select buttons (page 33)
Use to select discs in the player.

DISC SKIP / CD MODE
• During playback, press to start playing the next disc in the player.
• If the disc tray is open while no disc is playing, the tray rotates one disc space.
• If the disc tray was opened using the EXCHANGE button (front panel only), then pressing DISC SKIP rotates the disc tray two disc spaces. (page 34, 36)
• Use with SHIFT for CD MODE: Use to switch CD Mode on/off. (page 49)

9 MUTE
Press to mute all sound from the speakers and headphones (press again to cancel).

10 VOLUME
Use to adjust the volume.

11 HOME MENU / SYSTEM SETUP
• Press to display (or exit) the on-screen menu for Initial Settings, Play Mode functions, etc.
• Use with SHIFT for SYSTEM SETUP: Use to make various system and surround sound settings. (page 64)

12 DVD MENU / TOP MENU
• Press to display a DVD-Video disc menu, or the Disc Navigator if a VR mode DVD-RW, CD, Video CD, MP3 or JPEG disc is loaded.
• Use with SHIFT for TOP MENU: Use to display the top menu of a DVD disc in the play position (this may be the same as pressing DVD MENU).

13 Cursor buttons, ENTER and tuning buttons
Cursor buttons
Use the cursor buttons (↑/↓/←/→) to navigate on-screen displays and menus.

ENTER
Press to select an option or execute a command.

TUNE +/-
Use to tune the radio.

ST +/-
Use to select station presets when listening to the radio.

14 QUIET/MIDNIGHT (page 47)
Use to select Quiet and Midnight listening modes.

15 RETURN
Press to return to a previous menu screen.

16 Playback controls
►
Press to start or resume playback.

◄◄ and ►►/◄◄
Use for reverse slow motion playback, frame reverse and reverse scanning.

►► and ▶▶/◀▼
Use for forward slow motion playback, frame advance and forward scanning.
**Controls and displays**

**⏮️ / FOLDER**  –
Press to jump to the beginning of the current chapter/track, then to previous chapters/tracks.
Press **SHIFT + ⬅️** to jump to the beginning of the previous folder.

**⏭️ / FOLDER +**
Press to jump to the next chapter/track (or folder by pressing **SHIFT + ▶️**).

Press to pause playback; press again to restart.

**◼️**
Press to stop playback.

**17 Number buttons and SHIFT functions**
Use the number buttons for selecting chapters/tracks from a disc directly; use with the **SHIFT** button to access the functions printed in green.

**PROGRAM (SHIFT + 1) (page 53)**
Use to program/play a program list.

**REPEAT (SHIFT + 2) (page 52)**
Use to select a repeat play mode.

**RANDOM (SHIFT + 3) (page 52)**
Use to select a random play mode.

**TEST TONE (SHIFT + 4) (page 66)**
Use to output the test tone (for speaker setup).

**CH LEVEL (SHIFT + 5) (page 66)**
Use to adjust the speaker level.

**TIMER (SHIFT + 6) (page 62)**
Press to display the clock and to access the timer menu.

**SR+ (SHIFT + 7) (page 19)**
Press to switch SR+ on or off.

**DISPLAY (SHIFT + 8) (page 58)**
Press to display/change disc information shown on-screen.

**DIMMER (SHIFT + 9)**
Press to switch between normal and dimmed front panel display.

**CLEAR**
Press to clear an entry.

**ENTER**
Press to select menu options, etc. (works exactly the same as the **ENTER** button in 13 above).

**18 TV CONTROL buttons**
These buttons are dedicated to control the TV assigned to the **TV** button.

**⊕**
Use to turn on/off the power of the TV.

**INPUT**
Use to select the TV function.

**TV CHANNEL +/-**
Use to select channels.

**TV VOLUME +/-**
Use to adjust the volume on your TV.

**19 SHIFT**
Use to access the functions/commands printed in green on the remote (press the button for the function you want while holding down **SHIFT**).
### Controls and displays

#### Transmitter (HTD-645DV)

*With the HTD-641DV model, please refer to the XW-HTD630 wireless speaker manual.*

#### Wireless speaker (HTD-645DV)

*With the HTD-641DV model, please refer to the XW-HTD630 wireless speaker manual.*

1. **CHANNEL indicators**
   - Light to indicate the selected channel.

2. **CHANNEL**
   - In case of poor reception due to interference from other electrical devices, you can improve reception by selecting another channel. Each time you press the button, the channel changes sequentially:

   ![CHANNEL indicators](image)

   - CH 1 → CH 2 → CH 3 → CH 4

3. **Note**
   - Poor reception may cause the audio to be interrupted or to disappear completely. This is not a malfunction. Try changing the location or orientation of the transmitter and/or the wireless speaker to improve reception.
   - The wireless speaker can be used at distances of up to 10m from the transmitter. This range may change depending on the environment.
3 Transmitter antenna
Transmits signals to the wireless speaker.

4 Wireless speaker antenna
Receives signals from the transmitter.

5 POWER
Press to switch the unit on or off.

6 WIRELESS MODE switch
Slide to select either W.SURROUND or W.STEREO mode. See Using the wireless speaker system on page 41 for more on these modes.
- W.SURROUND — Sounds going to the surround left and right channels are heard through the wireless speakers.
- W.STEREO — Any source playing through the main system is heard in stereo through the wireless speakers (multichannel sources will be downmixed to stereo).

Note
- The system should be in standby when switching between modes (see Using the wireless speaker system on page 41).
- If the mode of the wireless speaker system and the mode of the DVD receiver do not match, loud noise may be output from the wireless speaker system.
- The STEREO MODE VOLUME control can be used to adjust the volume when W.STEREO is selected.

7 STEREO MODE VOLUME
Turn to adjust the speaker volume when the WIRELESS MODE is set to W.STEREO.
When set to W.SURROUND, the volume control does not operate. The volume changes automatically.

8 POWER indicator
Lights when the wireless speaker is switched on.

9 TUNED indicator
Lights when the signal from the transmitter is properly received.

Note
- For more on using the wireless speaker system Using the wireless speaker system on page 41.
Chapter 4
Getting started

Switching on and setting up

After making sure everything is connected up properly, you’re ready to switch on. The first thing to do is to tell the system what kind of TV you’re using, standard or widescreen. After that you can set up the surround sound for your room, and set the clock so that you can use the timer features.

1. Press \( \text{STANDBY/ON} \) (on the remote or on the front panel) to switch the system on. Also make sure that your TV is switched on and that the video input is set to this system. You should see the welcome screen displayed.

2. Press ENTER to move on to the next screen.

3. Use the \( \leftarrow/\rightarrow \) (cursor left/right) buttons to select either ‘Wide screen’ or ‘Standard size screen’ according to the kind of TV you have, then press ENTER. See also Screen sizes and disc formats on page 88 if you’re not sure which one to choose.
Getting started

4 Press ENTER again to finish setting up.

2 If ‘Clock ADJ?’ isn’t already shown in the display, press ← or → (cursor left or right) until you see it.

3 Press ENTER.

4 Use the ↑/↓ (cursor up/down) buttons to set the hour.

5 Press ENTER.

6 Use the ↑/↓ (cursor up/down) buttons to set the minute.

7 Press ENTER to confirm.

The display flashes to indicate the clock is set.

Tip

• Press TIMER (SHIFT + 6) anytime to display the clock.

Note

• If you unplug the system from the wall outlet, or there is a power outage, you will need to set the clock again.

Using the Room Setup

After you have set up your speakers to your liking (see Placing the speakers on page 13), make sure you calibrate your system for surround sound. This is a quick and easy way to get good surround sound for your room.

For more detailed surround sound setup, see Surround sound and other settings on page 64.

1 If the system isn’t already on, press ◁ STANDBY/ON to switch it on.

2 Press ROOM SETUP.

• If you have previously set up the room type and seating position, the display will show the current room settings. See note below if you see Room Set? in the display.
3 Press ENTER.

4 Use the ↑/↓ (cursor up/down) buttons to select a room type then press ENTER.
Choose one of the following depending on your room size:

- S – Smaller than average room
- M – Average room
- L – Larger than average room

5 Use the ↑/↓ (cursor up/down) buttons to select a seating position setting, then press ENTER.
Choose one of the following depending on where your main listening position is:

- Fwd – If you are nearer to the front speakers than the surround speakers
- Mid – If you are equal distance from the front and surround speakers
- Back – If you are nearer to the surround speakers than the front speakers

Note
• The Room Setup automatically sets up channel levels and channel delay. If you have already set the channel levels manually (see Setting the channel levels on page 66), you will see Room Set? in the display when you first press the ROOM SETUP button. If you continue, the previous settings will be overwritten.
• If you are using a multichannel wireless speaker setup (see Placing the wireless speaker system on page 14), see Setting the channel levels on page 66 to lower the surround speaker levels after completing the Room Setup.

Setting up the remote to control your TV
You can set up the supplied remote to control your TV using the TV CONTROL buttons.

1 Switch on your TV.

2 Find the name of the manufacturer of your TV in the Preset Code List on page 90.
Next to each manufacturer is one or more three digit codes. These tell the remote what kind of TV you have.
If the name of the manufacturer of your TV does not appear in the table, you won’t be able to set up this remote to control your TV. Note that there are also cases where the preset codes listed for a manufacturer in the table may not work for your TV.

3 Point the remote at your TV, hold down the CLEAR button, then enter the three digit code for your TV.
The remote transmits an on/off signal to the TV.
If you’ve entered the correct code, your TV should switch off.
If your TV doesn’t turn off, repeat the procedure using the next code in the list until your TV switches off successfully. Once set, you can then use the individual TV controls shown below.

<table>
<thead>
<tr>
<th>Button</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>⏹️</td>
<td>Switches your TV on or into standby.</td>
</tr>
<tr>
<td>CHANNEL +/-</td>
<td>Changes the TV channel.</td>
</tr>
<tr>
<td>VOLUME +/-</td>
<td>Adjusts the volume.</td>
</tr>
<tr>
<td>INPUT</td>
<td>Switches the TV’s input between the built in TV tuner and an external video source.</td>
</tr>
</tbody>
</table>

Note
• The default setting is for a Pioneer TV.
Getting started

Using the on-screen displays
For ease of use, this system makes extensive use of graphical on-screen displays (OSDs). You should get used to the way these work as you’ll need to use them when setting up the system, using some of the playback features, such as program play, and when making more advanced settings for audio and video.

All the screens are navigated in basically the same way, using the cursor buttons to change the highlighted item and pressing ENTER to select it.

<table>
<thead>
<tr>
<th>Button</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOME</td>
<td>Displays/exits the on-screen display</td>
</tr>
<tr>
<td>MENU</td>
<td>Changes the highlighted menu display</td>
</tr>
<tr>
<td>←↑→↓</td>
<td>Changes the highlighted menu item</td>
</tr>
<tr>
<td>ENTER</td>
<td>Selects the highlighted menu item (both ENTER buttons work in exactly the same way)</td>
</tr>
<tr>
<td>RETURN</td>
<td>Returns to the main menu without saving changes</td>
</tr>
</tbody>
</table>

Important

- Throughout this manual, ‘Select’ means use the cursor buttons to highlight an item on-screen, then press ENTER.

Tip

- The button guide at the bottom of every OSD screen shows you which buttons you’ll need to use for that screen.

Playing discs
The basic playback controls for playing DVD, CD, SACD, Video CD and MP3 discs are covered here. Further functions are detailed in chapter 6.

1. If the system isn’t already on, press STANDBY/ON to switch on.

   If you’re playing a DVD or Video CD, also turn on your TV and make sure that it is set to the correct video input.
2 Press OPEN/CLOSE to open the disc tray.

3 Load a disc.
Load a disc with the label side facing up in the front-most disc space, using the disc tray guide to align the disc. (If you’re loading a double-sided DVD disc, load it with the side you want to play face down.)

If you want to load more discs, press DISC SKIP (remote or front panel) to rotate the disc tray. You can load up to five discs at once.

- Do not place discs in the two partially accessible disc spaces, as it easy to misalign them. Use only the front-most space.
- Do not load more than one disc in a space.
- Before loading or removing discs, always wait for the disc mechanism to come to a complete stop.
- Do not rotate the disc tray by hand. Always use the DISC SKIP button.
- Sometimes, when the disc tray mechanism is moving, the controls are inoperative.

4 Press (remote) or (front panel) to start playback of the disc loaded in the front-most disc space.
Alternatively, use the DVD/CD or DISC buttons on the remote, or the DIRECT PLAY buttons on the front panel to start playback of other discs.

If you’re playing a DVD or Video CD, a menu may appear. See DVD-Video disc menus on page 37 and Video CD PBC menus on page 38 for how to navigate these.

If you’re playing an MP3 or JPEG disc, it may take a few seconds before playback starts, depending on the complexity of the file structure on the disc.

If you loaded a CD/CD-R/RW containing JPEGs, a slideshow will start. See Viewing JPEG discs on page 60 for more on playing these discs.

- See also Options on page 71 if the disc contains both MP3 audio files and JPEG picture files.

5 Use the VOLUME +/- button (or the front panel VOLUME knob) to adjust the volume.

Basic playback controls
The following table shows the basic controls on the remote for playing discs. You can find other playback features in Playing discs on page 49.

<table>
<thead>
<tr>
<th>Disc number</th>
<th>FOLDER</th>
<th>ENTER</th>
<th>ENTER</th>
<th>FOLDER</th>
</tr>
</thead>
</table>

If you want to load more discs, press DISC SKIP (remote or front panel) to rotate the disc tray.
You may find with some DVD discs that some playback controls don’t work in certain parts of the disc. This is not a malfunction.

### Using the front panel controls

- **OPEN/CLOSE** and **(stop)** buttons on the front panel work the same way as the remote control equivalents.
  - The front panel scan and skip buttons (SKIPREV/FASTREV and SKIPFWD/FASTFWD) are combined. Press once for chapter/track skip, or press and hold for scanning.

### Resume and Last Memory

When you stop playback of a DVD or Video CD disc, **Resume** is shown in the display indicating that you can resume playback again from that point.

If the disc tray is not opened, the next time you start playback the display shows **Resume** and playback resumes from the resume point.

### Button What it does

<table>
<thead>
<tr>
<th>Button</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>▶️</td>
<td>Starts playback. DVD and Video CD: If the display shows Resume or Last Mem playback starts from the resume or last memory point (see also Resume and Last Memory below.)</td>
</tr>
<tr>
<td>II</td>
<td>Pauses a disc that’s playing, or restarts a paused disc.</td>
</tr>
<tr>
<td>■</td>
<td>Stops playback. DVD and Video CD: The display shows Resume. Press ■ again if you want to cancel the resume function. (See also Resume and Last Memory below.)</td>
</tr>
<tr>
<td>◀◀</td>
<td>Press to start fast reverse scanning. Press ▶️ (play) to resume normal playback.</td>
</tr>
<tr>
<td>▶▶</td>
<td>Press to start fast forward scanning. Press ▶️ (play) to resume normal playback.</td>
</tr>
<tr>
<td>◀◀</td>
<td>Skips to the start of the current track or chapter, then to previous tracks/chapters.</td>
</tr>
<tr>
<td>▶▶</td>
<td>Skips to the next track or chapter.</td>
</tr>
<tr>
<td>FOLDER +/-</td>
<td>Skips to the next/previous folder when playing MP3 discs.</td>
</tr>
</tbody>
</table>

### Button What it does

<table>
<thead>
<tr>
<th>Button</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>Numbers</td>
<td>Use to enter a title/track number. Press ENTER to select (or wait a few seconds).</td>
</tr>
</tbody>
</table>
  - If the disc is stopped, playback starts from the selected title (for DVD) or track number (for CD/SACD/Video CD/MP3).
  - If the disc is playing, playback jumps to the start of the selected chapter or track (within the current group for DVD-Audio). |

### Note

- You may find with some DVD discs that some playback controls don’t work in certain parts of the disc. This is not a malfunction.
For DVD discs only: If you change discs using the DISC SKIP, DISC or DIRECT PLAY buttons, or take the disc out of the player, the play position is stored in memory. When you load the disc next time, the display shows Last Mem and you can resume playback (this works for up to five discs).

If you want to clear the resume/last memory point, press /stop (stop) while Resume or Last Mem is displayed.

Note
• When a Video CD is loaded, the Resume point is lost if the system is switched off, or switched to a function other than DVD/CD.
• For the Last Memory function to work, you must press ■ (stop) to stop playback before opening the disc tray or changing the disc.
• The Last Memory function doesn’t work with VR format DVD-RW discs.

Changing discs
You can change any of the discs not in the play position using the EXCHANGE button on the front panel. Because the disc in the play position is unaffected, you can use this button to change discs even during playback.

1 Press EXCHANGE to open the disc tray.
• The EXCHANGE button only works when there is at least one disc loaded.

2 Load a disc with the label side facing up, using the disc tray guide to align the disc.

3 Press EXCHANGE or ▲ OPEN/CLOSE to close the disc tray.
• Always use the ▲ OPEN/CLOSE or EXCHANGE button to close the disc tray after exchanging discs. Never push the disc tray shut by force.

FAQ
• After I load a DVD disc, it ejects automatically after a few seconds!
Getting started

Most likely, the disc is the wrong region for your system. The region number should be printed on the disc; check it against the region number of the system (which you can find on the rear panel). See also DVD Video regions on page 76.

If the region number is OK, it may be that the disc is damaged or dirty. Clean the disc and look for signs of damage. See also Using and taking care of discs on page 75.

If you’ve set the Parental Lock level for the system to a level lower than the disc you are trying to play, you’ll need to set it again to watch the disc (see Parental Lock on page 72).

• Why won’t the disc I loaded play?
First check that you loaded the disc the right way up (label side up), and that it’s clean and not damaged. See Using and taking care of discs on page 75 for information on cleaning discs.

If a disc loaded correctly won’t play, it’s probably an incompatible format or disc type, such as DVD-ROM. See Disc / content format playback compatibility on page 9 for more on disc compatibility.

• I have a widescreen TV so why are there black bars at the top and bottom of the screen when I play some discs?
Some movie formats are such that even when played on a widescreen TV, black bars are necessary at the top and bottom of the screen. This is not a malfunction.

• I have a standard (4:3) TV and set the system to show widescreen DVDs in pan & scan format, so why do I still get black bars top and bottom with some discs?
Some discs override the display preferences of the system, so even if you have 4:3 (Pan & Scan) selected, those discs will still be shown in letterbox format. This is not a malfunction.

• My DVD-Audio disc starts playing, but then suddenly stops!
The disc may have been illegally copied.

DVD-Video disc menus
Many DVD-Video and DVD-Audio discs contain menus from which you can select what you want to watch. They may give access to additional features, such as subtitle and audio language selection, or special features such as slideshows. See the disc packaging for details.

Sometimes DVD-Video menus are displayed automatically when you start playback; others only appear when you press DVD MENU or TOP MENU.

Important

• Some DVD-Audio discs feature a ‘bonus group’. To access this group you have to input a password, which you can find on the disc’s packaging. See page 91 for more information.
Getting started

You can play a PBC Video CD without having to navigate the PBC menu by pressing ■ (stop) then starting playback using a number button to select a track, rather than ► (play) (or ►/II on the front panel).

### Video CD PBC menus

Some Video CDs have menus from which you can choose what you want to watch. These are called PBC (Playback control) menus.

<table>
<thead>
<tr>
<th>Button</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP MENU (SHIFT + DVD MENU)</td>
<td>Displays the ‘top menu’ of a DVD disc—this varies with the disc.</td>
</tr>
<tr>
<td>DVD MENU</td>
<td>Displays a DVD disc menu—this varies with the disc and may be the same as the ‘top menu’.</td>
</tr>
<tr>
<td>➧✦✧✦</td>
<td>Moves the cursor around the screen.</td>
</tr>
<tr>
<td>ENTER</td>
<td>Selects the current menu option.</td>
</tr>
<tr>
<td>RETURN</td>
<td>Returns to the previously displayed menu screen. On some DVD-Audio discs featuring browsable pictures, press to display the browser screen.</td>
</tr>
<tr>
<td>Numbers</td>
<td>Highlights a numbered menu option (some discs only). Press ENTER to select.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Button</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>RETURN</td>
<td>Displays the PBC menu.</td>
</tr>
<tr>
<td>Numbers</td>
<td>Selects a numbered menu option.</td>
</tr>
<tr>
<td>✧✦✧✦</td>
<td>Displays the previous menu page (if there is one).</td>
</tr>
<tr>
<td>✧✦✧✦</td>
<td>Displays the next menu page (if there is one).</td>
</tr>
<tr>
<td>ENTER</td>
<td>Press to select highlighted menu option.</td>
</tr>
</tbody>
</table>
Getting started

Listening to the radio
The tuner can receive both FM and AM broadcasts, and lets you memorize your favorite stations so you don’t have to manually tune in every time you want to listen.

1 If the system isn’t already on, press STANDBY/ON to switch on.
2 Press TUNER to switch to the tuner, then press repeatedly to select the AM or FM band.
The display indicates the tuner band and the frequency.
   • If you’re using the front panel controls, the TUNER button switches between FM, AM and station presets (see Memorizing stations on page 40).
3 Tune to a frequency.
There are three tuning modes—manual, auto, and high-speed:
   • Auto tuning: Press and hold TUNE +/- until the frequency display starts to move, then release. The tuner will stop on the next station it finds. Repeat to search for other stations.
   • Manual tuning: Press TUNE +/- repeatedly to change the displayed frequency.
   • High-speed tuning: Press and hold TUNE +/- until the frequency display starts to move rapidly. Keep the button held down until you reach the frequency you want. If necessary, fine tune the frequency using the manual tuning method.

Tip
   • You can use the /skiprev/fastrev and /fastfwd/skipfwd buttons on the front panel instead of the TUNE +/- buttons.

Improving poor FM reception
If you’re listening to an FM station in stereo but the reception is weak, you can improve the sound quality by switching to mono.
1 Press SYSTEM SETUP (SHIFT + HOME MENU).
2 Use the ←/→ (cursor left/right) buttons to choose ‘FM Mode ?’, then press ENTER.
3 Use the ↑/↓ (cursor up/down) buttons to select ‘FM Mono’ or ‘FM Auto’, then press ENTER.
Select Auto in step 3 to switch back to auto-stereo mode (the stereo indicator lights when receiving a stereo broadcast).
Memorizing stations
You can save up to 30 station presets so that you always have easy access to your favorite stations without having to tune in manually each time.

1 Tune to an AM or FM radio station.
   For the FM band, select mono or auto-stereo reception as necessary. This setting is saved along with the preset.

2 Press SYSTEM SETUP (SHIFT + HOME MENU).

3 Use the (cursor left/right) buttons to choose ‘St. Memory?’ then press ENTER.

4 Use the (cursor up/down) buttons to select the station preset you want.
   There are 30 preset locations; each can store one station preset.

5 Press ENTER to save the station preset.

   Note
   • If the system is unplugged from the power supply completely, saved stations will remain for several days, after which you’ll have to save them again.

Listening to station presets
1 Make sure the TUNER function is selected.
2 Use ST +/- or the number buttons to select a station preset.
   • If you are using the front panel controls, press TUNER FM/AM/ST, until you’re in station preset mode, then use the and buttons to select a station preset.

Listening to other sources
You can connect up to three external sources (TV, satellite receiver, etc.) to this system, including one digital source. See also Listening to TV audio through this system on page 18 and Connecting auxiliary components on page 81.

1 If the system isn’t already on, press STANDBY/ON to switch on.
   Also make sure that the external source (TV, satellite receiver, etc.) is switched on.

2 Select the source you want to listen to.
   • If you’re using the remote control, press TV to select the TV input, or use the LINE (L1/ L2) button to select the LINE 1 or LINE 2 input.
   • The TV/L1/L2 button on the front panel switches between the three inputs.

3 If necessary, start playback of the external source.
Getting started

Using the wireless speaker system
The wireless speaker supplied with your system can be used for multichannel sound with your main setup, or as a second stereo speaker system.

Illustration above shows the XW-HTD640 wireless speaker.

1. Switch the wireless speaker off and the main unit into standby.
2. Press SYSTEM SETUP.
3. If it’s not already selected, use arrowL/arrowR (cursor left/right) to select ‘Wireless?’ then press ENTER. 
   The current setting is shown in the display.
4. Use arrowU/arrowD (cursor up/down) to select ‘W.Surr.’ or ‘W.Stereo’.
   - W.Surr. – Sounds going to the surround left and right channels are heard through the wireless speaker (see below for placement options).
   - W.Stereo – Any source playing through the main system is heard in stereo through the wireless speakers (multichannel sources will be downmixed to stereo).
5. Press ENTER.
6. Set the WIRELESS MODE switch on the wireless speaker to the same mode you selected above.
7. Switch the main unit and wireless speaker back on.
   If you selected W.Stereo, start playback and adjust the STEREO MODE VOLUME control as necessary. If you selected W.Surr, continue to the next step.
8. Press WIRELESS (SHIFT+ROOM SETUP) repeatedly to select a wireless listening mode.
   Choose between the following options:

Caution
- If the mode of the wireless speaker system and the mode of the DVD receiver do not match, loud noise may be output from the wireless speaker system.
Getting started

- **Normal** – Use for surround sound with the wireless speaker placed behind the listening position.

- **Wide** (default) – Use to create enveloping surround sound with the wireless speaker placed behind the listening position (see illustration for **Normal** above).

The following options are possible if you are using the HTD-641DV model (no surround speakers connected).

- **Left Side** – Use for surround sound with the wireless speaker placed to the left of the listening position.

- **Right Side** – Use for surround sound with the wireless speaker placed to the right of the listening position.

9 Press ENTER.

**Note**

- If you selected **W.Stereo** in step 4, the **WIRELESS** button has no effect when the system is switched on (**W.Stereo** flashes in the display).

- The **WIRELESS** indicator on the front panel display is only shown when **W.Surr.** is selected.

**Important**

- Even when not in use, the fan in the wireless speaker will continue to operate. Switching off the wireless speaker when not in use will increase product life.

- Placing the transmitter and the wireless speaker too close together will result in an unstable signal. Make sure they are more than 1m / 2.4 ft apart for the best reception.

- The radio waves sent from the transmitter to the wireless speaker may reflect off any number of surfaces in your listening area (for example, walls or cabinets). If you are experiencing poor reception due to this phenomenon, try moving the position of the wireless speaker for better reception.
Chapter 5
Listening to your system

About the listening modes
As explained in Placing the speakers on page 13, there are two basic surround speaker setup options available. Of course you can select any of the listening modes regardless of how you place your speakers, but you will achieve the best surround effect by using the listening modes in conjunction with your speaker setup:

- **Standard surround 5-spot setup** – Use the Standard (Listening in surround sound on page 44) and Advanced (Using the Advanced Surround effects on page 45) surround listening modes with this setup.
- **Front surround 3-spot setup** – See Using Front Surround on page 45 for the options available with this speaker setup.

HTD-641DV only – This setup requires surround speakers.

Make sure you have completed Using the Room Setup on page 31. For a more detailed surround sound setup, see Using the System Setup menu on page 64.

**Note**

- Certain features explained in this section may not be possible depending on the source (for example, 88.2 / 96 kHz sources), or a conflicting system setting. See Error Messages on page 87 for more on this.
- Except for mute, the tone controls (bass/treble) and Quiet and Midnight listening, the features in this section can’t be used with DVD-Audio or Super Audio CD sources.

- When using the wireless speaker system for multichannel sound, it is recommended that you do not use the 3-spot setup (page 13). See Using the wireless speaker system on page 41 for the various options available with your wireless speaker system.
- **HTD-641DV only** – If you choose not to connect surround speakers, use the Standard surround setup as explained in Placing the speakers on page 13. Use the Standard (Listening in surround sound on page 44) and Advanced (Using the Advanced Surround effects on page 45) surround listening modes with this setup.

**Auto listening mode**

The Auto listening mode is the simplest way to listen to any source as it was mastered: the output from the speakers mirrors the channels from the source material.

- Press SURROUND to select the ‘Auto’ listening mode.
  If the source is Dolby Digital or DTS, the \[DIGITAL] or DTS indicator on the front panel lights.
05 Listening to your system

Note
• Any previously active Dolby Pro Logic or Advanced Surround mode is canceled when Auto listening mode is selected.

Listening in surround sound
You can listen to any source—stereo or multichannel, analog or digital—in surround sound. Surround sound is generated from stereo sources using one of the Dolby Pro Logic decoding modes.

• Press SURROUND repeatedly to select a listening mode (or press SURROUND then use the ↑/↓ (cursor up/down) buttons). The listening mode choices that appear in the display will vary according to the type of source that’s playing.
  • Auto – See Auto listening mode above.
  • Dolby Digital / DTS – Dolby Digital or DTS decoding (depending on the source).
  • Pro Logic – 4.1 channel surround sound for use with any two-channel source
  • PL II Movie – Pro Logic II 5.1 channel surround sound, especially suited to movie sources, for use with any two-channel source
  • PL II Music – Pro Logic II 5.1 channel surround sound, especially suited to music sources, for use with any two-channel source (see also Dolby Pro Logic II Music settings below)
  • Stereo – See Listening in stereo below

Note
• When listening in Dolby Digital / DTS mode, two-channel material will automatically be played in surround sound using Dolby Pro Logic II decoding.
• Dolby Digital / DTS sources that use only the center channel cannot be played back in surround sound.

Dolby Pro Logic II Music settings
When listening in Dolby Pro Logic II Music mode, there are three further parameters you can adjust: Center Width, Dimension, and Panorama.

1 With Dolby Pro Logic II Music mode active, press SOUND MODE.
2 Use the ←/→ (cursor left/right) buttons to select ‘C Width’, ‘Dimen.’ or ‘Pnrm.’
  • C Width (Center Width): Makes the center channel wider (higher settings) or narrower (lower settings)
  • Dimen. (Dimension): Makes the sound more distant (minus settings), or more forward (positive settings)
  • Pnrm. (Panorama): Creates more spacious surround sound
3 Use the ↑/↓ (cursor up/down) buttons to adjust the setting. Center Width is adjustable between 0 and 7; Dimension between –3 and +3. Panorama is On or Off.
4 Press ENTER to confirm.
Using the Advanced Surround effects

Advanced Surround effects can be used with multichannel or stereo sources for a variety of additional surround sound effects. The 5-spot setup described in Placing the speakers on page 13 should be used with these effects.

For more options, see Adjusting the Advanced and Front Surround effect level below.

• Press ADVANCED to select an Advanced Surround mode (or press ADVANCED then use the ↑/↓ (cursor up/down) buttons).
  Press repeatedly to select from:
  • Adv. Movie – Gives a movie theater-type sound
  • Adv. Music – Gives a concert hall-type sound
  • Expanded – Creates an extra wide surround field
  • TV Surr. – Designed for mono or stereo TV broadcasts and other sources
  • Sports – Designed for sports and other programs based on commentary
  • Game – Creates surround sound from video game sources
  • 5ch Stereo – Designed to give powerful surround sound to stereo music sources

Using Front Surround

Note that the HTD-641DV does not include surround speakers, which are necessary to use the Front surround modes. If connected, follow the instructions for speaker orientation below.

The Front Surround modes are effective when you are using the Front surround 3-spot speaker setup as described in Placing the speakers on page 13.

The surround speakers should be placed on top of the front speakers (with the HTD-641DV, place them on either side, as shown in Placing the speakers on page 13) and oriented either towards the walls, or straight ahead, depending on which mode you are using (see below).

For more options, see Adjusting the Advanced and Front Surround effect level below.

• Press FRONT SURROUND to select an Front Surround mode (or press FRONT SURROUND then use the ↑/↓ buttons).
  Press repeatedly to select from:
  • Frt. Movie – The Front Surround Movie mode emphasizes directionality, giving you a realistic movie theater-type sound.
  • Frt. Music – The Front Surround Music mode provides greater breadth and depth to music sources, enveloping you with a concert hall-type sound.
• **ExtraPower** – The Extra Power mode gives additional energy and depth to a stereo source by using the surround speakers in addition to the front speakers.

If you have selected Frt. Movie or Frt. Music, you will achieve best results by turning each surround speaker about 60° towards the closest wall. With ExtraPower, orient the surround speakers in the same direction as the front speakers (towards the listening position).

3 Use the † ‡ (cursor up/down) buttons to adjust the effect level. The effect level can be adjusted from 10 (min) to 90 (max).

4 Press ENTER to confirm.

**Listening in stereo**

You can listen to any source—stereo or multichannel, analog or digital—in stereo. When playing a multichannel source, stereo sound is created by downmixing all channels to the front left/right speakers and the subwoofer.

• Press SURROUND repeatedly until 'Stereo' shows in the display.

Any active Advanced Surround or Front Surround mode is canceled.

**Listening with headphones**

When headphones are connected, only the Stereo (default) and Phones Surround (virtual surround sound for headphones) modes are available.

When you disconnect them it reverts to the previous mode.

• With headphones connected, press ADVANCED or FRONT SURROUND to select 'Phones Surround' or SURROUND to select 'Stereo'.

---

**ExtraPower** – The Extra Power mode gives additional energy and depth to a stereo source by using the surround speakers in addition to the front speakers.

If you have selected Frt. Movie or Frt. Music, you will achieve best results by turning each surround speaker about 60° towards the closest wall. With ExtraPower, orient the surround speakers in the same direction as the front speakers (towards the listening position).

3 Use the † ‡ (cursor up/down) buttons to adjust the effect level. The effect level can be adjusted from 10 (min) to 90 (max).

4 Press ENTER to confirm.

**Listening in stereo**

You can listen to any source—stereo or multichannel, analog or digital—in stereo. When playing a multichannel source, stereo sound is created by downmixing all channels to the front left/right speakers and the subwoofer.

• Press SURROUND repeatedly until 'Stereo' shows in the display.

Any active Advanced Surround or Front Surround mode is canceled.

**Listening with headphones**

When headphones are connected, only the Stereo (default) and Phones Surround (virtual surround sound for headphones) modes are available.

When you disconnect them it reverts to the previous mode.

• With headphones connected, press ADVANCED or FRONT SURROUND to select 'Phones Surround' or SURROUND to select 'Stereo'.

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4 Press ENTER to confirm.

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You can listen to any source—stereo or multichannel, analog or digital—in stereo. When playing a multichannel source, stereo sound is created by downmixing all channels to the front left/right speakers and the subwoofer.

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3 Use the † ‡ (cursor up/down) buttons to adjust the effect level. The effect level can be adjusted from 10 (min) to 90 (max).

4 Press ENTER to confirm.

**Listening in stereo**

You can listen to any source—stereo or multichannel, analog or digital—in stereo. When playing a multichannel source, stereo sound is created by downmixing all channels to the front left/right speakers and the subwoofer.

• Press SURROUND repeatedly until 'Stereo' shows in the display.

Any active Advanced Surround or Front Surround mode is canceled.

**Listening with headphones**

When headphones are connected, only the Stereo (default) and Phones Surround (virtual surround sound for headphones) modes are available.

When you disconnect them it reverts to the previous mode.

• With headphones connected, press ADVANCED or FRONT SURROUND to select 'Phones Surround' or SURROUND to select 'Stereo'.
Enhancing dialogue

• Default setting: Dialog Off

The Dialogue Enhancement feature is designed to make the dialog stand out from other background sounds in a TV or movie soundtrack.

• Press DIALOGUE (SHIFT + SURROUND) to select the amount dialog enhancement. Press repeatedly to select from:
  - Dialog Off – No dialog enhancement
  - Dialog Mid – Moderate dialog enhancement
  - Dialog Max – Strong dialog enhancement

Listening with a virtual surround back speaker

• Default setting: Vir. SB Off

The Virtual Surround Back feature can be used when listening in surround sound (using the 5-spot setup described in Placing the speakers on page 13) to simulate an added surround back channel. In a real theater the surround back speaker would be directly behind you, creating more cohesive and realistic surround sound.

• Press VIR. SB (SHIFT + ADVANCED) repeatedly to switch between ‘Vir. SB On’ and ‘Vir. SB Off’.

Note

• You can’t use Virtual Surround Back when using the Stereo listening mode (or Auto with stereo sources).
  • If you are using the The Front surround 3-spot setup (see Placing the speakers on page 13), switch the Virtual Surround Back feature off.
  • If there is no surround channel, Virtual Surround Back has no effect.
  • You can’t use Virtual Surround Back when you’ve selected the W.Surr wireless mode (the current wireless listening mode flashes in the display).

Using Quiet and Midnight listening modes

• Default setting: Off

The Quiet listening feature reduces excessive bass or treble in a sound source. You can use this feature if the music is a little bit harsh and you would like a smoother sound.

The Midnight listening feature allows you to hear effective surround sound of movies at low volume levels. The effect automatically adjusts according to the volume at which you’re listening.

• Press QUIET/MIDNIGHT repeatedly to switch between ‘Quiet’, ‘Midnight’ and ‘Off’.
Adjusting the bass and treble
Use the bass and treble controls to adjust the overall tone.

1. Press SOUND MODE.
2. Use the left/right (cursor left/right) buttons to select 'Bass' or 'Treble'.
3. Use the up/down (cursor up/down) buttons to adjust the sound.
   The bass and treble can be adjusted from \(-3\) to \(+3\).
4. Press ENTER to confirm.

- **Note**
  - Bass and treble adjustment is not possible when the Quiet or Midnight modes are active.

Boosting the bass level
There are three bass modes you can use to enhance the bass in a source.

- Press BASS MODE (SHIFT + FRONT SURROUND) repeatedly to choose an option that fits the source you’re listening to.
  - **Music** – Can be used with music to give a deeper bass sound
  - **Cinema** – Good for action movies or movies with lots of sound effects
  - **P. Bass** – Can be used with music sources to bring the beat of the music (or soundtrack) to the forefront
  - **Off** – Switch off the bass boost if it causes excessive bass (i.e. it sounds ‘boomy’) in the source
Chapter 6
Playing discs

Some DVD discs restrict the use of some functions (random or repeat, for example). This is not a malfunction.
When playing Video CDs, some of the functions are not available during PBC playback. If you want to use them, start the disc playing using a number button to select a track.
Many features are not available when using unfinalized CD-R/RW discs.

Playing only CDs, SACDs and MP3 discs (CD mode)
Using this feature you can play only the CDs, SACDs and MP3 discs loaded in the disc tray—automatically skipping over any DVDs and Video CDs loaded. This may be useful if you have a mixture of discs loaded but only want to play music: you don't have to keep track of what kind of disc is where in the disc tray.

1. Press CD MODE (SHIFT + DISC SKIP) to switch CD mode on.
   - The indicator on the front panel lights when CD mode is on.
2. Press ► (play) to start playback.
   - The first CD loaded automatically starts to play.
   - Once all the CD/SACD/MP3 discs loaded have played, playback automatically stops.

Scanning discs
You can fast-scan discs forward or backward at various different speeds.

1. During playback, press ◀ or ▶ to start scanning.
   - There is no sound while scanning DVDs and Video CDs, and no subtitles while scanning DVDs.
2. Press repeatedly to increase the scanning speed.
   - The scanning speed is shown on-screen.
3. To resume playback, press ► (play).
   - When scanning a Video CD or a /MP3 track, playback automatically resumes at the end or beginning of the track.
   - Depending on the disc, normal playback may automatically resume when a new chapter is reached on a DVD disc.

Playing in slow motion
You can play DVDs and Video CDs at four different forward slow motion speeds. DVD discs can also be played at two reverse speeds.
Playing discs

1. During playback, press \( \text{II} \) (pause).
2. Press and hold \( \text{II} \) or \( \text{II} \) until slow motion playback starts.
   - The slow motion speed is shown on-screen.
   - There is no sound during slow motion playback.
3. Press repeatedly to change the slow motion speed.
4. To resume normal playback, press \( \text{►} \) (play).
   - Depending on the disc, normal playback may automatically resume when a new chapter is reached.

Frame advance/frame reverse
You can advance or back up DVD discs frame-by-frame. With Video CDs you can only use frame advance.

1. During playback, press \( \text{II} \) (pause).
2. Press \( \text{II} \) or \( \text{II} \) to reverse or advance a frame at a time.
3. To resume normal playback, press \( \text{►} \) (play).
   - Depending on the disc, normal playback may automatically resume when a new chapter is reached.

Using the Disc Navigator to browse the contents of a disc
Use the Disc Navigator to browse through the contents of a disc to find the part you want to play. You can use the Disc Navigator when a disc is playing or stopped (a disc must be loaded).

1. Press HOME MENU and select ‘Disc Navigator’ from the on-screen display.

With most discs, you can also press DVD MENU to go directly to the Disc Navigator.

2. Select what you want to play.
   Depending on the type of disc you have loaded, the Disc Navigator looks slightly different.
   The screen for DVD discs shows the titles on the left and the chapters on the right. Select a title, or a chapter within a title.

For DVD-Audio discs select a group, or a track within a group.

For SACD discs select a track within the current playback area.

For a VR format DVD-RW disc select between the PlayList and Original areas of the disc, or a title. Press \( \text{►} \) (cursor right) to preview the title.
   - You can’t switch between Original and PlayList during playback.
Playing discs

- Not all VR format DVD-RW discs have a Playlist.

The screen for SACDs, CDs and Video CDs shows a list of tracks.

The screen for MP3 discs shows the folder names on the left and the track names on the right (note that any folder and track names that contain accented or non-roman characters, will show up with generic names – F_033, T_035 etc.).

Select a folder, or a track within a folder.

Playback starts after you press ENTER.

Tip

- Another way to find a particular place on a disc is to use one of the search modes. See Searching a disc on page 56.

For DVD-Audio discs featuring browsable pictures (page 91), press /slowrev//steprev /*slowfwd//stepfwd to view the previous/next picture.

Looping a section of a disc

The A-B Repeat function allows you to specify two points (A and B) within a track (CD and Video CD) or title (DVD) that form a loop which is played over and over.

- You can’t use A-B Repeat with DVD-Audio, SACD or MP3 discs.

1 During playback, press HOME MENU and select ‘Play Mode’.

2 Select ‘A-B Repeat’ from the list of functions on the left.

3 Press ENTER on ‘A(Start Point)’ to set the loop start point.

4 Press ENTER on ‘B(End Point)’ to set the loop end point.

After pressing ENTER, playback jumps back to the start point and plays the loop.

- The minimum loop time is 2 seconds.

5 To resume normal playback, select ‘Off’ from the menu.
Using repeat play
There are various repeat play options, depending on the kind of disc loaded. It’s also possible to use repeat play together with program play to repeat the tracks/chapters in the program list (see Creating and editing a DVD program list on page 53 and Creating and editing a non-DVD program list on page 54).

1. During playback, press HOME MENU and select ‘Play Mode’.
2. Select ‘Repeat’ from the list of functions on the left.
3. Select a repeat play option. If program play is active, select Program Repeat to repeat the program list, or Repeat Off to cancel.
   • For DVD-Video and DVD-RW discs, select Title Repeat or Chapter Repeat (or Repeat Off).
   • For DVD-Audio discs, select Group Repeat or Track Repeat (or Repeat Off).
   • For SACDs, CDs and Video CDs, select All Discs Repeat, Disc Repeat or Track Repeat (or Repeat Off).
   • For MP3 discs, select All Discs Repeat, Disc Repeat, Folder Repeat or Track Repeat (or Repeat Off).

Tip
• You can also use the REPEAT (SHIFT + 2) button on the remote to select a repeat play mode. The repeat mode is indicated in the front panel display and on-screen. The repeat modes available are the same as when choosing from the Play Mode menu.
• If you’ve created a program list, Program Repeat is also available.
• During random playback (see below), Random Repeat is also available.

Using random play
Use the random play function to play titles or chapters (DVD-Video), groups or tracks (DVD-Audio), or tracks (CD, SACD, Video CD and MP3 discs) in a random order.

You can set the random play option when a disc is playing or stopped. However, you can’t use random play together with program play.
• You can’t use random play with VR format DVD-RW discs, or while a DVD disc menu is being displayed.
Playing discs

1 Press HOME MENU and select ‘Play Mode’.

2 Select ‘Random’ from the list of functions on the left.

3 Select a random play option.
   - For DVD-Video discs, select Random Title or Random Chapter (or Random Off).
   - For DVD-Audio discs, select Random Group or Random Track, (or Random Off).
   - For CDs, Video CDs and MP3 discs, select Random All, Random Disc (or Random Off).
   - The Random All function ignores DVDs loaded in the player.

Tip
- Use the following controls during random play:

<table>
<thead>
<tr>
<th>Button</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>■</td>
<td>Stop and cancel random play.</td>
</tr>
<tr>
<td>▶▶</td>
<td>Selects another track/chapter at random from those remaining.</td>
</tr>
<tr>
<td>◀◀</td>
<td>Returns to the beginning of the current track/chapter. You can’t go back further than this.</td>
</tr>
</tbody>
</table>

You can also use the RANDOM (SHIFT + 3) button on the remote to select a random play mode. The random mode is indicated in the front panel display and on-screen. The random modes available are the same as when choosing from the Play Mode menu. Press ENTER to start random play.

- To cancel random playback without stopping playback, press CLEAR. The disc will play to the end, then stop.

Creating and editing a DVD program list

This feature lets you program the play order of titles and chapters on the DVD disc currently in the play position.

If you want to program the play order of CDs, Video CDs or MP3 discs, see Creating and editing a non-DVD program list on page 54.

- You can’t use Program play with VR format DVD-RW discs, or while a DVD disc menu is being displayed.

1 Make sure that the DVD disc you want to make the program list for is in the play position.

Use the DISC select buttons on the remote, or the DIRECT PLAY buttons on the front panel to select the disc.
Playing discs

2 Press HOME MENU and select ‘Play Mode’.
   • Alternatively, press PROGRAM (SHIFT + 1) and skip to step 5.

3 Select ‘Program’ from the list of functions on the left.

4 Select ‘Create/Edit’ from the list of program options.

5 Select a title or chapter for the first/next step in the program list.

6 Press ENTER to add the highlighted item to the program list.
   The program step number automatically moves to the next position.

7 Add further items to the program list in the same way.
   • A program list can contain up to 24 steps.
   • To clear a step in the program list, move to the Program Step column, highlight the step to clear and press CLEAR.
   • To insert a step in the program list, move to the Program Step column and highlight the step where you want a new step to appear. After you select a title/chapter, all the program steps will move down one to make space for the new one.

8 To play the program list, press ➤ (play).
   • Program play remains active until you turn off program play (see below), erase the program list (see below), or switch off the system.

Creating and editing a non-DVD program list

This feature lets you program the play order of folders and tracks on the CDs, Video CDs and MP3 discs loaded.

If you want to program the play order of a DVD disc, see Creating and editing a DVD program list on page 53.
Playing discs

1. Make sure that a non-DVD disc is in the play position. Use the DIRECT PLAY buttons on the front panel to select a disc.

2. Press HOME MENU and select 'Play Mode'.
   - Alternatively, press PROGRAM (SHIFT + 1) and skip to step 5.

3. Select 'Program' from the list of functions on the left.

4. Select 'Create/Edit' from the list of program options.

5. Select a folder or track for the first/next step in the program list.

   When this screen first appears, the first folder or track of the disc in the play position is highlighted. From here you can select something on this disc, or move left to the Disc column and select something from one of the other discs loaded.

   - With MP3 discs, you can select a folder, or an individual track in a folder.
   - With CDs and Video CDs, select a track.
   - Any DVDs loaded are shown grayed out and can’t be selected.

   If the system has not yet determined the type of disc in a tray position, ‘???’ is displayed as the disc type. If you select it, ‘??? 1-999’ is displayed in the middle and right columns. You can add items to the program list from this disc, although what you select must actually exist on the disc for it to play. Also, if the disc is a DVD, program play will be canceled when it comes to that disc in the program list.

   If a tray position is empty, ‘– – –’ is displayed.

6. Press ENTER to add the highlighted item to the program list.

   The program step number automatically moves to the next position.

55. Program Step

   01. Gravity Deluxe
   02. Tesla’s Patent
   03. Border Dispute
   04. Delayed by Rai
   05. Pigeon Post
   06. Outernational
   07. Panic Button
   08. Accident Incide

7. Add further items to the program list in the same way.
   - A program list can contain up to 24 steps.
   - To clear a step in the program list, move to the Program Step column, highlight the step to clear and press CLEAR.
To insert a step in the program list, move to the Program Step column and highlight the step where you want a new step to appear. After you select a folder/track, all the program steps will move down one to make space for the new one.

To play the program list, press ► (play).
- Program play remains active until you turn off program play (see below), erase the program list (see below), or switch off the system.

**Tip**
- Use the following controls during program play:

<table>
<thead>
<tr>
<th>Button</th>
<th>What it does</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOME MENU</td>
<td>Save the program list and exit the program edit screen without starting playback.</td>
</tr>
<tr>
<td>►</td>
<td>Skip to the next step in the program list.</td>
</tr>
<tr>
<td>CLEAR</td>
<td>Switch off program play. Press while stopped to erase the program list.</td>
</tr>
<tr>
<td>RETURN</td>
<td>Exit the program edit screen without saving any changes.</td>
</tr>
</tbody>
</table>

**Note**
- The current playlist is erased if you change the type of disc in the play position (DVD or non-DVD) or select Program Delete from the Play Mode menu.
- DVD playback follows commands recorded on the disc. There may be cases where program play is automatically canceled or may not work. This is not a malfunction.
- With Video CDs that feature PBC playback, make sure that the disc is stopped before you start making the program list.

**Other functions available from the program menu**
There are a number of other options in the program menu in addition to Create/Edit.
- **Playback Start** – Starts playback of a saved program list
- **Playback Stop** – Turns off program play, but does not erase the program list
- **Program Delete** – Erases the program list and turns off program play

**Searching a disc**
You can search DVD-Video discs by title or chapter number, or by time. DVD-Audio discs can be searched by group or track number. SACDs and CDs can be searched by track number, and Video CDs by track number or time. MP3 discs can be searched by folder or track number.

1. Press HOME MENU and select ‘Play Mode’.
2. Select ‘Search Mode’ from the list of functions on the left.
   The search options that appear depend on the kind of disc loaded. The screen below shows the DVD-Video search options.

3. Select a search mode.
   - The disc must be playing in order to use time search.
Playing discs

4 Use the number buttons to enter a title, chapter, folder or track number, or a time.

- For a time search, enter the number of minutes and seconds into the currently playing title (DVD-Video/DVD-RW) or track (Video CD) you want playback to resume from. For example, press 4, 5, 0, 0 to have playback start from 45 minutes into the disc. For 1 hour, 20 minutes and 30 seconds, press 8, 0, 3, 0.
- Some DVD-Audio discs feature pages of browsable pictures. Enter the page number you want.

5 Press ENTER to start playback.

Note
- The disc must be playing in order to use time search.
- You can only use time search with DVD-Video and Video CD discs.
- With disc sets of SACDs, you may find that some discs don’t begin at track 1.

Switching subtitles
Some DVD discs have subtitles in one or more languages; the disc box will usually tell you which subtitle languages are available. You can switch subtitle language during playback.

- Press SUBTITLE repeatedly to select a subtitle option.

Note
- Some discs only allow you to change subtitle language from the disc menu. Press DVD MENU to access.
- To set subtitle preferences, see Language settings on page 70.

Switching DVD audio language
When playing a DVD disc recorded with dialog in two or more languages, you can switch audio language during playback.

- Press AUDIO repeatedly to select an audio language option.

Note
- Some discs only allow you to change audio language from the disc menu. Press DVD MENU to access.
- To set audio language preferences, see Language settings on page 70.

Switching audio channels when playing a Video CD
When playing a Video CD, you can switch between stereo, just the left channel or just the right channel.

- Press AUDIO repeatedly to select an audio channel option.
Playing discs

Zooming the screen

Using the zoom feature you can magnify a part of the screen by a factor of 2 or 4, while watching a DVD-Video, DVD-Audio or Video CD.

1. During playback, use the ZOOM button to select the zoom factor (Normal, 2x or 4x).
   - Since DVD-Video, DVD-Audio and Video CD has a fixed resolution, picture quality will deteriorate, especially at 4x zoom. This is not a malfunction.

2. Use the cursor buttons to change the zoomed area.
   You can change the zoom factor and the zoomed area freely during playback.
   - If the navigation square at the top of the screen disappears, press ZOOM again to display it.

   Note
   - If you are displaying subtitles, these will disappear when the screen is zoomed. They will reappear when you return the screen to normal.

Switching camera angles

Some DVD-Video discs feature scenes shot from two or more angles—check the disc box for details.

When a multi-angle scene is playing, a icon appears on screen and in the front panel display to let you know that other angles are available (this can be switched off if you prefer—see Display settings on page 70).

   • During playback (or when paused), press ANGLE to switch angle.

Displaying disc information

OSD disc information

Various track, chapter and title information can be displayed on-screen while a disc is playing.

   • To show/switch/hide the information displayed, press DISPLAY (SHIFT + 8) repeatedly.
   - When a disc is playing, the information appears at the top of the screen.

Front panel display information

Limited disc information also appears in the front panel display. Press DISPLAY (SHIFT + 8) to change the displayed information.

   • DVD / DVD-RW displays

   | Disc no. | Chapter no. | Elapsed title time |
   | 2 | 2 | 8’49” |

   | Disc no. | Title no. | Remaining title time |
   | 2·T | 1·1 | 0’07”00” |

   | Disc no. | Chapter no. | Remaining chapter time |
   | 2 | 2·0 | 0’42” |

   • SACD, CD and Video CD displays

   | Disc no. | Track no. | Elapsed track time |
   | 1·4 | 1’16” |

   | Disc no. | Track no. | Remaining track time |
   | 1·4 | 3’20” |

   | Disc no. | Remaining disc time |
   | 1·Disc | 53’15” |
Playing discs

• MP3 disc displays

<table>
<thead>
<tr>
<th>Disc no.</th>
<th>Track no.</th>
<th>Elapsed track time</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>2</td>
<td>0:03:50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disc no.</th>
<th>Track name</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>EVERYBODY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disc no.</th>
<th>Folder name</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>BEST_OF</td>
</tr>
</tbody>
</table>

• JPEG disc displays

<table>
<thead>
<tr>
<th>Disc no.</th>
<th>File name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>TIGER_01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disc no.</th>
<th>Folder name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>ZOO_TRIP</td>
</tr>
</tbody>
</table>

• DVD Audio displays

<table>
<thead>
<tr>
<th>Disc no.</th>
<th>Track no.</th>
<th>Elapsed track time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>0:08:49</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disc no.</th>
<th>Track no.</th>
<th>Remaining track time</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>T</td>
<td>0:11:07</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Disc no.</th>
<th>Group no.</th>
<th>Remaining group time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6</td>
<td>0:30:21</td>
</tr>
</tbody>
</table>
Chapter 7

Viewing JPEG discs

Playing a JPEG slideshow
After loading a CD/CD-R/RW containing JPEG pictures, press ► (play) to start a slideshow from the first folder/picture on the disc. The pictures in each folder are displayed in alphabetical order.

Pictures are automatically adjusted so that they fill as much of the screen as possible (if the aspect ratio of the picture is different to your TV screen you may notice black bars at the sides, or at the top and bottom of the screen). While the slideshow is running:

Button | What it does
---|---
/ | Pauses the slideshow; press again to restart.
\ | Displays the previous picture. Use with SHIFT to jump to the first file in the previous folder.
►► | Displays the next picture. Use with SHIFT to jump to the first file in the next folder.
ANGLE | Pauses the slideshow and rotates the currently displayed picture 90° clockwise. Press ► (play) to restart slideshow.
ZOOM | Pauses the slideshow and zooms the screen (see below). Press ► (play) to restart slideshow.
DVD MENU | Displays the Disc Navigator screen (see below).
FOLDER +/- | Skips to the next/previous folder when playing a JPEG disc.

Note
- The / (pause), ANGLE and ZOOM buttons do not work while the display shows LOADING.
- The time it takes for a file to load increases with large file sizes.
- Up to 999 files are viewable on a disc. If there are more files than this on a disc, only the first 999 files are viewable.
- If you want to play the MP3 tracks on a disc that also contains JPEG picture files, you should first set the Photoviewer option to Off. See Options on page 71.

Using the JPEG Disc Navigator and Photo Browser
Use the JPEG Disc Navigator to find a particular folder or picture by filename on the disc in the play position; use the Photo Browser to find a picture within a folder by thumbnail image.

1. Press DVD MENU to display the Disc Navigator screen.

The left column shows the folders on the disc, the right column shows the files in a folder.
Viewing JPEG discs

2 Use the cursor buttons (↑/↓/←/→) to navigate.
When a file is highlighted, a thumbnail image is displayed.
- When a folder is highlighted you can press ENTER to open the Photo Browser screen for that folder. See below for more on using the Photo Browser.

3 To resume the slideshow from the highlighted file, press ENTER.

Using the Photo Browser
The Photo Browser displays nine thumbnail images at a time from the current folder.

1 From the Disc Navigator screen, highlight a folder to display then press ENTER.
The Photo Browser screen opens with the first nine pictures displayed as thumbnails.

2 Use the cursor buttons (↑/↓/←/→) to highlight a thumbnail picture.
- Use the track skip buttons (←/→) to see the previous / next page of thumbnails. Keep the button pressed if you want to skip several pages; release when you reach the page you want.
- To return to the Disc Navigator screen, press RETURN.

3 Press ENTER to display the selected thumbnail full size on screen.
The slideshow resumes from the selected picture.

Zooming the screen
Using the zoom feature you can magnify a part of the screen by a factor of 2 or 4, while viewing pictures from a JPEG disc.

1 During slideshow playback, use the ZOOM button to select the zoom factor.
- Normal
- 2x
- 4x

2 Use the cursor buttons (↑/↓/←/→) to change the zoomed area.
You can change the zoom factor and the zoomed area freely.

3 To resume the slideshow, press (play).
Chapter 8
Using the timer

Setting the wake-up timer
Use the wake-up timer to set the system to switch on at any time and start playing whatever source you want.

Important
• The clock must be set to the correct time for the wake-up timer to work properly (see Setting the clock on page 31).

1 Select the source you want played. For example, press TUNER (TUNER FM/AM/ST. on the front panel) to select the radio as your source.

2 Prepare the source. For example, tune in the radio station you want to wake up to.

3 Set the volume.

4 Press TIMER (SHIFT + 6) twice to reach the timer menu.

5 Use the ←/→ (cursor left/right) buttons to select ‘Wake-Up?’ then press ENTER.

6 Use the ←/→ (cursor left/right) buttons to select ‘Timer Edit?’ then press ENTER.

7 Set the switch-on time.
Use the ↑/↓ (cursor up/down) buttons to set the hour, then press ENTER. Set the minute in the same way, pressing ENTER when you’re done.

8 Set the switch-off time.
Use the ↑/↓ (cursor up/down) buttons to set the hour, then press ENTER. Set the minute in the same way, pressing ENTER when you’re done.

After pressing ENTER this last time, the wake-up indicator lights, and the switch-on, switch-off times, the function (DVD/CD, etc.) and volume are confirmed in the display.

9 Switch the system into standby mode. The wake-up timer will not work if the system is left on!
**Using the timer**

**Tip**
- You can check the timer settings in standby by pressing **TIMER (SHIFT + 6)** twice. (Press **TIMER (SHIFT + 6)** once to display the current time.)

**Turning the wake-up timer on/off**
If the wake-up timer is on, it will switch on the system everyday at the time you have set.

1. Press **TIMER (SHIFT + 6)** twice to reach the timer menu.
2. Use the ←/→ (cursor left/right) buttons to select 'Wake-Up?' then press ENTER.
3. Use the ←/→ (cursor left/right) buttons to select 'Timer On?' or 'Timer Off?'.
   - You must have the timer set (see above) to select On. The wake-up timer switches on and off according to your previous settings.
4. Press ENTER.

**Setting the sleep timer**
The sleep timer switches off the system after a specified time so you can fall asleep without worrying about it.

**Important**
- If you set the sleep timer while the wake-up timer is active, the earlier switch off time takes priority.

1. Press **TIMER (SHIFT + 6)** twice to reach the timer menu.
2. Use the ←/→ (cursor left/right) buttons to select 'Sleep?' then press ENTER.
3. Use the ↑/↓ (cursor up/down) buttons to select a switch-off time then press ENTER.

Choose between the following options:
- **Sleep Auto** – Available only in CD mode; the system switches off automatically after the currently playing disc has finished (not possible during repeat play).
- **Sleep 90** – System switches off after 90 minutes
- **Sleep 60** – System switches off after an hour
- **Sleep 30** – System switches off after 30 minutes
- **Off** – cancels the sleep timer
4. To check how much time is left, repeat steps 1 and 2.
The remaining time is displayed momentarily.
- The front panel display dims when the sleep timer is active.
Chapter 9
Surround sound and other settings

Using the System Setup menu
All the available settings in the setup menu are listed in Surround and sound setup options and SR+ control options for Pioneer plasma displays below. See the notes in each section for additional information about the settings. Follow the steps below to customize the settings in the System Setup menu.

1 Press SYSTEM SETUP (SHIFT + HOME MENU).
2 Use the (cursor left/right) buttons to choose the setting you want to adjust. The current setting is shown for each option as you cycle through the display. See below for a full list and description of each.
3 Use the (cursor up/down) buttons to adjust the setting.
4 Repeat steps 2 and 3 to make other settings.
5 When you’re done, press ENTER to leave the System Setup menu.

Note
• The System Setup menu is exited automatically after 5 minutes of inactivity.
• You can’t make these settings with the Recording Mode (page 81) switched on.

Surround and sound setup options
The Room Setup feature (page 31) is designed to give you a basic surround sound setup, however you can make more detailed settings that may improve the surround sound in your listening room. Note that the first setting in each section is the default.

Front speakers distance setting
Specifies the distance from your listening position to the front speakers:
- Distance can be set in increments of 1 ft. The default is 10 ft.

Center speaker distance setting
Specifies the distance from your listening position to the center speaker:
- Distance can be set in increments of 1 ft. The default is 10 ft.

Surround speakers distance setting
Specifies the distance from your listening position to the surround speakers:
- Distance can be set in increments of 1 ft. The default is 10 ft.
Surround sound and other settings

Dynamic Range Control
Specifies the amount of dynamic range adjustment to Dolby Digital or DTS soundtracks:

- DRC Off – No dynamic range adjustment (use when listening at higher volume)
- DRC Mid. – Mid setting
- DRC High – Dynamic range is reduced (loud sounds are reduced in volume while quieter sounds are increased)

Note
- This setting works only with Dolby Digital and some DTS soundtracks. For other sources you can create a similar effect using the Midnight mode (see Using Quiet and Midnight listening modes on page 47).

Dual mono setting
Specifies how dual mono encoded Dolby Digital or DTS soundtracks should be played. You can also use this setting to switch the audio channel on DVD-RW discs recorded with two separate soundtracks.

- L-Ch1 R-Ch2 – Both channels are played through the front speakers
- Ch1 Mono – Only channel 1 is played
- Ch2 Mono – Only channel 2 is played

Note
- On the Ch1 Mono and Ch2 Mono settings the sound comes only from the center speaker (or from the front speakers if listening in STEREO mode).
- This setting works only with dual mono encoded Dolby Digital or DTS soundtracks. See the disc packaging for channel information.

LFE attenuator setting
Dolby Digital and DTS audio sources include ultra-low bass tones. Set the LFE attenuator as needed to prevent the ultra-low bass from distorting the sound.

- LFE ATT 0 – The LFE channel is played with no attenuation
- LFE ATT 10 – LFE channel is attenuated by 10dB
- LFE Off – LFE channel is not played

SR+ control options for Pioneer plasma displays
Make the following settings if you have connected a Pioneer plasma display to this unit using an SR+ cable (not supplied).

Note that in the function settings below, the number of video inputs may change depending on your display. See also Using this unit with a Pioneer plasma display on page 18.

Control mode setting

- SR+ Off – Switches SR+ off (this unit and the plasma display work independently)
- SR+ On – Switches SR+ on (this unit sends control signals to the plasma display)

The following settings are only available if the Control mode setting (above) is switched on.

Volume control setting

- Vol C.Off – This unit does not control the volume of the plasma display
- Vol C.On – When this unit is switched to an input that used the plasma display (DVD, for example), the volume on the plasma display is muted so only sound from this unit is heard.
Function setting for DVD input
- DVD -> OFF/PDP1–5/PDPTV – Matches the DVD function of this unit with a numbered video input on the plasma display. For example, DVD -> PDP2 matches the DVD input with video input 2 on the plasma display.

Function setting for TV input
- TV -> OFF/PDP1–5/PDPTV – Matches the TV function of this unit with a numbered video input on the plasma display. For example, TV -> PDP1 matches the TV input with video input 1 on the plasma display.

Function setting for L1 input
- LINE1 -> OFF/PDP1–5/PDPTV – Matches the LINE (L1) function of this unit with a numbered video input on the plasma display. For example, LINE1 -> PDP3 matches the LINE1 input with video input 3 on the plasma display.

Function setting for L2 input
- LINE2 -> OFF/PDP1–5/PDPTV – Matches the LINE (L2) function of this unit with a numbered video input on the plasma display. For example, LINE2 -> PDP3 matches the LINE2 input with video input 3 on the plasma display.

Setting the channel levels
You can set the relative channel levels from your main listening position for all of the listening modes independently. However, the SURROUND modes are divided into two independent groups: multichannel listening modes and stereo listening modes only.

If you used the Room Setup feature (page 31), the channel levels for each listening mode will already be set. However, you can still fine-tune the levels here if you need to.

1. Select a listening mode.
   Press SURROUND ADVANCED or FRONT SURROUND repeatedly to select the listening mode you want.

2. Press TEST TONE (SHIFT + 4) to hear the test tone.
   The test tone is output in the following order (from the speakers active in the current listening mode):
   - L – Front left speaker
   - C – Center speaker
   - R – Front right speaker
**Surround sound and other settings**

- **RS** – Right surround speaker
- **LS** – Left surround speaker
- **SW** – Subwoofer

3. **Use the VOLUME +/- button to adjust the volume to an appropriate level.**
   Turn down the volume to 40 or less to ensure you have adequate headroom.

4. **Use the ↑/↓ (cursor up/down) buttons to adjust the speaker levels in turn.**
   You should hear the test tone at the same volume from each speaker when seated in the main listening position. The channel level range is ± 10 dB.

5. **When you’re done, press ENTER to exit test tone setup.**

**Tip**
- The speaker volume can be adjusted while listening to any sound source you want by pressing CH LEVEL (SHIFT + 5) and then using the ↑/↓ (cursor up/down) buttons to adjust the channel levels. After you’re finished with one channel, use the ←/→ (cursor left/right) buttons to move to the next.

**Note**
- When the Auto listening mode is selected, using the test tone method will adjust levels for multichannel sources only. Use CH LEVEL (SHIFT + 5) and the ↑/↓ (cursor up/down) buttons (see tip above) to set levels for the Auto listening mode with two channel sources.
- Since the subwoofer produces ultra-low frequencies its sound may seem quieter than it actually is.
Chapter 10

Video Adjust menu

Video Adjust

• Default setting: Standard

From the Video Adjust screen you can select
the standard video presentation or define
presets of your own.

1 Press HOME MENU and select 'Video
Adjust' from the on-screen display.

2 Use the ◄/▐ (cursor left/right) buttons
to select a preset.

• Standard
• Memory1–2 – Use for saving your own
  presets (see below)

3 Press ENTER to make the setting and
exit the Video Adjust screen.

Note

• Depending on the disc and the TV/monitor,
you may not see the effect clearly.

Creating your own presets

You can create up to two presets of your own.

1 Select one of the Memory presets (see
above).

2 Press ◄ (cursor down) to select
'Detailed Settings' then press ENTER.

3 Adjust the picture quality settings.

• Use the ↑/↓ (cursor up/down) buttons to
  select a setting.
• Use the ◄/▐ (cursor left/right) buttons to
  adjust the current setting.
• Press DISPLAY (SHIFT + 8) to switch
  between full and single view.
• You can switch between preset numbers in
  the Recall Settings menu item.

You can adjust any or all of the following
picture quality settings:

• Contrast – Adjusts the contrast between
  light and dark.
• Brightness – Adjusts the overall
  brightness.
• Chroma Level – Adjusts how saturated
  colors appear.

4 Press ENTER to save the preset and exit
the Video Adjust screen.
Chapter 11
Initial Settings menu

Using the Initial Settings menu
The Initial Settings menu gives you complete control in setting up your DVD system, including video output settings and parental lock settings, among others. If an option is grayed out it means that it cannot be changed at the current time. This is usually because a disc is playing. Stop the disc, then change the setting.

1 Press HOME MENU and select ‘Initial Settings’ from the on-screen display.

2 Use the cursor buttons and ENTER to select the setting and option you want to set.
All the settings and options are explained on the following pages.

Note
- In the table below, the default setting is shown in bold; other settings are shown in italics.
- Some settings, such as TV Screen, Audio Language, Subtitle Language and Auto Disc Menu may be overridden by the DVD disc. Often these settings can also be made from the DVD disc menu.

Video Output settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Option</th>
<th>What it means</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV Screen</td>
<td>4:3 (Letter Box)</td>
<td>Set if you have a conventional 4:3 TV. Widescreen movies are shown with black bars top and bottom.</td>
</tr>
<tr>
<td></td>
<td>4:3 (Pan &amp; Scan)</td>
<td>Set if you have a conventional 4:3 TV. Widescreen movies are shown with the sides cropped so that the image fills the screen.</td>
</tr>
<tr>
<td></td>
<td>16:9 (Wide)</td>
<td>Set if you have a widescreen TV.</td>
</tr>
<tr>
<td>Component Out</td>
<td>Interlace</td>
<td>Set if your TV is not compatible with progressive scan video.</td>
</tr>
<tr>
<td></td>
<td>Progressive</td>
<td>Set if your TV is compatible with progressive scan video (see your TV's instruction manual for details). Press ENTER once more to confirm (or RETURN to cancel). Note that progressive scan video is only output from the component video jacks and that there is no output from the composite and S-video jacks when this setting is selected.</td>
</tr>
</tbody>
</table>
## Initial Settings menu

<table>
<thead>
<tr>
<th>Setting</th>
<th>Option</th>
<th>What it means</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-Video Out</td>
<td>S2</td>
<td>Standard setting.</td>
</tr>
<tr>
<td></td>
<td>S1</td>
<td>If you find that the picture is stretched or distorted on the default S2 setting, try changing it to this setting.</td>
</tr>
<tr>
<td>Language settings</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Audio Language</strong></td>
<td>English</td>
<td>If there is an English soundtrack on the disc then it will be played.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Languages as displayed: If there is the language selected on the disc, then it will be played.</td>
</tr>
<tr>
<td></td>
<td>Other Language</td>
<td>Select to choose a language other than the ones displayed (see Selecting languages using the language code list on page 88).</td>
</tr>
<tr>
<td><strong>Subtitle Language</strong></td>
<td>English</td>
<td>If there is an English subtitle on the disc then it will be displayed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Languages as displayed: If there is the subtitle language selected on the disc, then it will be displayed.</td>
</tr>
<tr>
<td></td>
<td>Other Language</td>
<td>Select to choose a language other than the ones displayed (see Selecting languages using the language code list on page 88).</td>
</tr>
<tr>
<td><strong>DVD Menu Language</strong></td>
<td>w/Subtitle Lang.</td>
<td>DVD disc menus will be displayed in the same language as your selected subtitle language, if possible.</td>
</tr>
<tr>
<td></td>
<td>Languages as displayed</td>
<td>DVD disc menus will be displayed in the selected language, if possible.</td>
</tr>
<tr>
<td></td>
<td>Other Language</td>
<td>Select to choose a language other than the ones displayed (see Selecting languages using the language code list on page 88).</td>
</tr>
<tr>
<td><strong>Subtitle Display</strong></td>
<td>On</td>
<td>Subtitles are displayed according to your selected subtitle language (see above).</td>
</tr>
<tr>
<td></td>
<td>Off</td>
<td>Subtitles are always off by default when you play a DVD disc (note that some discs override this setting).</td>
</tr>
</tbody>
</table>

## Display settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Option</th>
<th>What it means</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OSD Language</strong></td>
<td>English</td>
<td>On-screen displays of the player are in English.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Languages as displayed: On-screen displays are shown in the language selected.</td>
</tr>
</tbody>
</table>
# Initial Settings menu

<table>
<thead>
<tr>
<th>Setting</th>
<th>Option</th>
<th>What it means</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>On Screen Display</strong></td>
<td><strong>On</strong></td>
<td>Operation displays (Play, Resume, Scan, and so on) are shown on-screen.</td>
</tr>
<tr>
<td></td>
<td><strong>Off</strong></td>
<td>Operation displays are not shown.</td>
</tr>
<tr>
<td><strong>Angle Indicator</strong></td>
<td><strong>On</strong></td>
<td>A camera icon is displayed on-screen during multi-angle scenes on a DVD disc.</td>
</tr>
<tr>
<td></td>
<td><strong>Off</strong></td>
<td>No multi-angle indication is shown.</td>
</tr>
</tbody>
</table>

## Options

<table>
<thead>
<tr>
<th>Setting</th>
<th>Option</th>
<th>What it means</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Parental Lock</strong></td>
<td>See below</td>
<td>See Parental Lock below.</td>
</tr>
<tr>
<td><strong>Bonus Group</strong></td>
<td>See below</td>
<td>See Bonus Group below.</td>
</tr>
<tr>
<td><strong>Auto Disc Menu</strong></td>
<td><strong>On</strong></td>
<td>The disc menu (Top menu) is automatically displayed after loading.</td>
</tr>
<tr>
<td></td>
<td><strong>Off</strong></td>
<td>The disc menu (Top menu) is not displayed after loading.</td>
</tr>
<tr>
<td><strong>Group Playback</strong> (For DVD-Audio discs separated into groups)</td>
<td><strong>Single</strong></td>
<td>Playback stops after the selected group is finished playing (track skip / / and scan buttons / can’t be used). See Searching a disc on page 56 to select a group.</td>
</tr>
<tr>
<td></td>
<td><strong>All</strong></td>
<td>Plays all groups on a DVD-Audio disc consecutively (if no group is selected).</td>
</tr>
<tr>
<td><strong>DVD Playback Mode</strong></td>
<td>DVD-Audio</td>
<td>Normal audio playback of DVD-Audio discs.</td>
</tr>
<tr>
<td></td>
<td>DVD-Video</td>
<td>Only DVD-Video content (if available) on DVD-Audio discs will be played.</td>
</tr>
<tr>
<td><strong>SACD Playback</strong> (If you select an area that isn’t on the disc, a different area will play.)</td>
<td><strong>Multi-ch Area</strong></td>
<td>The multichannel audio area of SACDs will be played.</td>
</tr>
<tr>
<td></td>
<td>2-ch Area</td>
<td>The stereo audio area of SACDs will be played.</td>
</tr>
<tr>
<td></td>
<td>CD Area</td>
<td>The standard CD area of hybrid SACDs will be played.</td>
</tr>
<tr>
<td><strong>Photo Viewer</strong></td>
<td><strong>On</strong></td>
<td>Only the JPEG files are shown on discs that contains both MP3 audio files and JPEG picture files.</td>
</tr>
<tr>
<td></td>
<td><strong>Off</strong></td>
<td>MP3 audio file playback is possible.</td>
</tr>
</tbody>
</table>
Parental Lock
- Default level: Off; Default password: none; Default Country code: us (2119)

To give you some control over what your children watch on your DVD player, some DVD-Video discs feature a Parental Lock level. If your player is set to a lower level than the disc, the disc won’t play.

Some discs also support the Country Code feature. The player does not play certain scenes on these discs, depending on the Country Code you set.

Note
- Not all discs use Parental Lock, and will play without requiring the password first.
- If you forget your password, you’ll need to reset the player to register a new password. (see Resetting the system on page 75)

Registering a new password
You must register a password before you can change the Parental Lock level or enter a Country code.

1 Select ‘Password’.

2 Use the number buttons to enter a 4-digit password.
The numbers you enter show up as asterisks (*) on-screen.

3 Press ENTER to register the password.
You will return to the Options menu screen.

Changing your password
To change your password, confirm your existing password then enter a new one.

1 Select ‘Password Change’.

2 Use the number buttons to enter your existing password, then press ENTER.

3 Enter a new password and press ENTER.
This registers the new password and you will return to the Options menu screen.

Setting/changing the Parental Lock
1 Select ‘Level Change’.

2 Use number buttons to enter your password, then press ENTER.

3 Select a new level and press ENTER.
Press (cursor left) repeatedly to lock more levels (more discs will require the password); press (cursor right) to unlock levels. You can’t lock level 1.
This sets the new level and you will return to the Options menu screen.

Setting/changing the Country code
You can find the Country code list on page 89.

1 Select ‘Country Code’.

2 Use number buttons to enter your password, then press ENTER.

3 Select a Country code and press ENTER.
There are two ways you can do this:
- Select by code letter: Use (cursor up/down) to change the Country code.
- Select by code number: Press (cursor right) then use the number buttons to enter the 4-digit Country code.
The new Country code is set and you will return to the Options menu screen. Note that the new Country code doesn’t take effect until the next disc is loaded (or the current disc is reloaded).
Some DVD-Audio discs have an extra ‘bonus’ group that requires a 4-digit key number to access. See the disc packaging for details and the key number.

When you play a DVD-Audio disc that has a bonus group, the key number input screen appears automatically. Select Bonus Group to access the same screen.

Note
• If you eject the disc, change the input function, switch the power off, or unplug the system, you will need to re-enter the key number.
Chapter 12
Additional information

Optional system settings
These settings are accessed by using the System Setup menu while in standby.

1. Switch the system into standby.
2. Press SYSTEM SETUP (SHIFT + HOME MENU).
3. Use the ←/→ (cursor left/right) buttons to choose the setting you want to adjust then press ENTER.
   The current setting is shown for each option as you cycle through the display. See below for a full list and description of each.
4. Use the ↑/↓ (cursor up/down) buttons to adjust the setting.
5. Repeat steps 2 and 3 to make other settings.
6. Press ENTER to confirm.

System Setup menu options in standby
Below are all the available settings in the setup menu. The first setting in each section is the default. See also the notes in each section for additional information about the settings.

Wireless speaker setting
See Using the wireless speaker system on page 41.

Child lock setting
The Child Lock feature is useful when you’ve set the wake-up timer and don’t want the system switched on before it activates.
- **Lock On** – Makes the front panel buttons and controls inoperative.
- **Lock Off** – Restores regular use of the front panel buttons and controls.

Clock format setting
Specifies how the clock is displayed:
- **12-Hour** – Sets the clock to show in 12-hour format in the display.
- **24-Hour** – Sets the clock to show in 24-hour format in the display.

TV attenuator setting
If the source connected to the TV analog input is producing distortion through the speakers, the attenuator will reduce the signal level.
- **ATT 6dB** – Reduces the signal level by 6dB.
- **ATT 10dB** – Reduces the signal level by 10dB.
- **ATT Off** – No attenuation
**Additional information**

**Line attenuator setting**
If the source connected to the LINE analog input is distorting, the attenuator can reduce the signal level.
- **ATT 6dB** – Reduces the signal level by 6dB.
- **ATT 10dB** – Reduces the signal level by 10dB.
- **ATT Off** – No attenuation

**Frequency step setting**
If you find that you can’t tune into stations successfully, the frequency step may not be suitable for your country/region.
- **FM 50. AM 9**
- **FM 100. AM 10**

**System demo setting**
Switches the automatic demo feature on or off (this starts when the system is plugged in for the first time):
- **Demo On** – Switches the demo feature on.
- **Demo Off** – Switches the demo feature off.

**Note**
- After setting the clock, the demo mode switches off automatically. However, if you unplug the system from the wall outlet, the demo mode will revert to **Demo On** (and the clock will be reset).

**Resetting the system**
Use this procedure to reset all system settings to the factory default.

1. Switch the system into standby.
2. Press and hold the front panel ■ (stop) button for about 8 seconds until the display shows ‘Mem.Clr.?’.  
3. Press the front panel ▶/II button.
   All the system’s settings are now reset, and you should see the ‘Let’s Get Started’ screen.

**Using and taking care of discs**

**Titles, chapters and tracks**
DVD-Video discs are generally divided into one or more titles. Titles may be further subdivided into chapters.

**DVD-Audio discs are divided into one or more groups that can each contain a number of tracks.**

**CDs, SACDs and Video CDs are divided into tracks.**

**CD-ROMs contain folders and files. MP3 files are referred to as tracks. Folders may contain further folders.**
**Additional information**

**DVD Video regions**
All DVD Video discs carry a region mark on the case somewhere that indicates which region(s) of the world the disc is compatible with. Your DVD system also has a region mark, which you can find on the rear panel. Discs from incompatible regions will not play in this system. Discs marked ALL will play in any system.

The diagram below shows the various DVD regions of the world.

**Handling discs**
When holding discs of any type, take care not to leave fingerprints, dirt or scratches on the disc surface. Hold the disc by its edge or by the center hole and edge.

Damaged or dirty discs can affect playback performance. Take care also not to scratch the label side of the disc. Although not as fragile as the recorded side, scratches can still result in a disc becoming unusable.

Should a disc become marked with fingerprints, dust, etc., clean using a soft, dry cloth, wiping the disc lightly from the center to the outside edge as shown in the diagram below.

**Storing discs**
Although CDs and DVD discs are more durable than vinyl records, you should still take care to handle and store discs correctly. When you’re not using a disc, return it to its case and store upright. Avoid leaving discs in excessively cold, humid, or hot environments (including under direct sunlight).

Don’t glue paper or put stickers onto the disc, or use a pencil, ball-point pen or other sharp-tipped writing instrument. These could all damage the disc.

For more detailed care information see the instructions that come with discs.

Do not load more than one disc into the player at a time.
Discs to avoid

Discs spin at high speed inside the player. If you can see that a disc is cracked, chipped, warped, or otherwise damaged, don’t risk using it—you could end up damaging the player.

This system is designed for use with conventional, fully circular discs only. Use of shaped discs is not recommended for this product. Pioneer disclaims all liability arising in connection with the use of shaped discs.

Proper installation and maintenance of this system

Hints on installation

We want you to enjoy using this system for years to come, so please bear in mind the following points when choosing a suitable location for it:

Do...
✓ Use in a well-ventilated room.
✓ Place on a solid, flat, level surface, such as a table, shelf or stereo rack.

Don’t...
✗ Use in a place exposed to high temperatures or humidity, including near radiators and other heat-generating appliances.
✗ Place on a window sill or other place where the system will be exposed to direct sunlight.
✗ Use in an excessively dusty or damp environment.

Cleaning the pickup lens

The DVD player’s lens should not become dirty in normal use, but if for some reason it should malfunction due to dust or dirt, consult your nearest Pioneer authorized service center. Although lens cleaners are commercially available, we do not recommend using them since some may damage the lens.

Problems with condensation

Condensation may form inside the system unit if it is brought into a warm room from outside, or if the temperature of the room rises quickly. Although the condensation won’t damage the system, it may temporarily impair its performance. For this reason you should leave it to adjust to the warmer temperature for about an hour before switching on and using.

Moving the system unit

If you need to move the main unit, first remove all discs, then press STANDBY/ON on the front panel to turn the system off. Wait for Good Bye to disappear from the display, then unplug the power cord. Never lift or move the system during playback—discs rotate at a high speed and may be damaged.
Unplugging the system before Good Bye disappears from the display may cause the system to return to the factory settings.

Power cord caution
Handle the power cord by the plug part. Do not pull out the plug by tugging the cord, and never touch the power cord when your hands are wet, as this could cause a short circuit or electric shock. Do not place the system unit, a piece of furniture, or other object on the power cord or pinch the cord in any other way. Never make a knot in the cord or tie it with other cords. The power cord should be routed so that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electric shock. Check the power cord once in a while. If you find it damaged, ask your nearest Pioneer authorized service center or your dealer for a replacement.

Wireless speaker system maintenance and precautions

Important
- Even when not in use, the fan in the wireless speaker will continue to operate. Switching off the wireless speaker when not in use will increase product life.

Cleaning the exterior
Use a polishing cloth or dry cloth to wipe off dust and dirt. If the surfaces are very dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water and wrung out well, then wipe again with a dry cloth.

Do not use furniture wax or cleaners. Never use thinners, benzine or insecticide sprays or other chemicals on or near this unit since they will corrode the surface.

AC adapter and power cord caution
- Do not leave the power cord near heating equipment. The coating of the cord may melt, which could lead to fire and/or electrocution.
- Make sure to grasp the body of the AC adaptor when removing it from the power outlet. Do not pull the power cord, it may become damaged which could lead to fire and/or electrocution.
- Do not attempt to plug in or remove the AC adaptor with wet hands. This may result in electrocution.
- Insert the prongs of the AC adaptor all the way into the power outlet. If the connection is incomplete, heat may be generated which could lead to fire. Furthermore, contact with the connected prongs of the adaptor may result in electrocution.
- Do not insert the AC adaptor into a power outlet where the connection remains loose despite inserting the prongs all the way into the outlet. Heat may be generated which could lead to fire. Consult with the retailer or an electrician regarding replacement of the power outlet.

Moving the wireless speaker
If you need to move the wireless speaker, first press POWER on the top panel to turn the unit off, then unplug the power cord.
Radio wave reflections
The radio waves received by the receiver include the radio wave coming directly from the transmitter (direct wave) and waves coming from various directions due to reflections by walls, furniture and building (reflected waves). The reflected waves (due to obstacles and reflecting objects) further produce a variety of reflected waves as well as variation in reception condition depending on locations. If the audio cannot be received properly due to this phenomenon, try moving the location of the wireless speaker a little. Also note that audio may be interrupted due to the reflected waves when a person crosses or approaches the space between the transmitter and wireless speaker.

Radio wave caution
This wireless speaker system uses a 2.4GHz radio wave frequency, which is a band used by other wireless systems (see list below). To prevent noise or interrupted communication, do not use this system nearby such devices, or make sure these devices are switched off during use. You can also try switching the channel on the transmitter (see Transmitter on page 16) for better reception.

- Cordless phones
- Wireless broadband routers
- Wireless AV equipment
- Microwave-based health aids
- Microwave ovens
- Wireless controllers for game systems
- Bluetooth equipment
- Some baby monitors

Other, less common, equipment that may operate on the same frequency:
- Anti-theft systems
- Warehouse logistic management systems
- Amateur radio stations (HAM)

Note
- If there is something obstructing the path between the transmitter and the wireless speaker (such as a metal door, concrete wall, or insulation containing tinfoil), you may need to change the location of your system to prevent signal noise and interruptions.
- If the transmitter is used near A/V equipment with an antenna input terminal, such as a TV, VCR, BS tuner or CS tuner, you may experience noise interference on a TV near the transmitter. In such cases, place the transmitter at a larger distance from the antenna input terminal of the A/V equipment.

Scope of operation
Use of this equipment is limited to home use. (Transmission distances may be reduced depending on communication environments.) In the following locations, poor condition or inability to receive radio waves may cause the audio to be interrupted or stopped:
- In reinforced concrete buildings or homes made of metallic structural members.
- Near large metallic furniture.
- In a crowd of people or near a building or obstacle.
- If you live in a heavily populated residential area (apartment, townhouse, etc.) and if your neighbor’s microwave is placed near your system, you may experience radio wave interference or no sound from the speaker. If this occurs, move your unit to a different place. When the microwave is not in use, there will be no radio wave interference.
For safety in operation
Do not use the system in the proximity of electronic equipment that requires high-accuracy control or handling of very low-level signals, such as:
- Hearing aids, cardiac pacemakers, other electrical medical equipment, fire alarms, automatic doors, and other automated control equipment.
The system may affect the electronic equipment, causing malfunction or accident.
- If you use a pacemaker or other electrical medical equipment, consult the manufacturer or dealer to check the effects of radio waves on it.
Do not use the system in places where its use is prohibited, for example near aircraft equipment and in hospitals.
The system may affect electronic equipment or electrical medical equipment, causing an accident. Follow the instructions given by the aircraft company or medical institution.

Important
- We do not assume any liability for the damages incurred due to improper use of the product by the user or third party, malfunction during use, other troubles or use of the product, unless indemnity for damages is admitted by the law.

Static electricity
Static electricity or other external influence may cause malfunctioning of this unit. In this case, unplugging the power cord and then re-plugging it in will usually reset the unit for proper operation. If this does not correct the problem, please consult your nearest Pioneer service center.

Connecting external antennas
External AM antenna
Use 5–6 meters (15–18 feet) of vinyl-insulated wire and set up either indoors or outdoors. Leave the AM loop antenna connected.

External FM antenna
Use 75Ω coaxial cable to hook up an external FM antenna.
Connecting auxiliary components

This system has both stereo analog inputs and outputs, as well as a coaxial digital input. Use these to connect external components, such as your VCR, MD or CD-R recorder.

- Connect the LINE 1 (IN) jacks to the analog outputs of an external playback component. These include components such as a VCR or cassette deck. Connect using RCA pin-plug stereo cables.
- Connect the LINE 1 (OUT) jacks to the analog inputs of an external recording component. These include components such as a cassette deck, VCR, MD or another recorder with analog inputs. Connect using RCA pin-plug stereo cables.
- Connect the COAX IN (LINE 2) jack on the rear panel to the coaxial digital output of an external playback component. These include digital components such as an MD player, digital satellite, or a game system. Connect using a coaxial digital cable (not supplied).

Tip

- If you find that the LINE 1 audio is distorting when played through this system, you can set the input attenuator to reduce the input signal level. See Optional system settings on page 74 to do this.

Recording mode

The Recording mode allows you to make surround-compatible analog recordings from the LINE 1 (OUT) jacks. Dolby multichannel sources will be downmixed to stereo for improved playback with systems that can provide matrix-decoding (like Dolby Pro Logic).

1 Press SOUND MODE.
2 Use the Use the ←/→ (cursor left/right) buttons to select ‘Rec Mode?’.
3 Press ENTER.
4 Use the ↑/↓ (cursor up/down) buttons to select ‘R.Mode On’ or ‘R.Mode Off’.
   - **R.Mode On** – A surround-compatible downmix (left-total/right-total, or Lt/Rt) of Dolby multichannel sources is output, (suitable for Dolby Surround Pro Logic or other matrix decoding).
   - **R.Mode Off** – A simple stereo downmix (left-only/right-only, or Lo/Lo) is output (suitable for playback on a two-channel stereo system or on headphones).
When Recording mode is on, most surround sound-related functions cannot be used. The display will briefly blink RecMode On if you try and use a prohibited function while Recording mode is on.

When Recording mode is off, the audio from the analog output may be interrupted, depending on the operation.

The Recording mode automatically switches off if you change the input function (DVD/CD, TUNER, etc.) or switch the power off.

When Recording mode is on, a stereo downmix of multichannel DVD-Audio and SACD sources is output from both the speakers and the analog audio jacks. However, note that with some multichannel DVD-Audio sources, only the front right and left channels are output from the analog jacks. When switched off, the multichannel source is played through the speakers, but only the front right and left channels are output from the analog audio jacks.

When Recording mode is on, you won’t be able to hear the subwoofer channel with SACD sources.
Troubleshooting
Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest Pioneer authorized service center or your dealer to carry out repair work.

- If the system is not operating normally due to external effects such as static electricity, disconnect the power plug from the outlet and insert again to resume normal operation.
- If you are experiencing problems with the wireless speaker system, make sure to bring both the transmitter and wireless speaker in for repair so that they can be tested properly.

General

<table>
<thead>
<tr>
<th>Problem</th>
<th>Remedy</th>
</tr>
</thead>
</table>
| The power does not turn on. | • Connect the power plug to the wall outlet.  
• Disconnect the power plug from the outlet, and insert again.  
• Make sure there are no loose strands of speaker wire touching the rear panel. This could cause the system to shut off automatically. |
| No sound is output when a function is selected. | • If you’re using the line input, make sure the component is connected correctly (see Connecting auxiliary components on page 81).  
• Press MUTE on the remote control to turn muting off.  
• Adjust the VOLUME. |
| No image is output when playing discs. | • Make sure the TV is connected correctly (see Connecting to your TV on page 16).  
• Reset the video output to interlace (see Watching progressive scan video from the component video outputs on page 17). |
| No sound from surround or center speakers. | • Refer to Setting the channel levels on page 66 to check speaker levels.  
• Check that you haven’t selected the STEREO sound mode (see Listening in stereo on page 46).  
• Make sure the speakers are connected properly (see Connecting the speakers and wireless speaker system on page 11). |
| Can’t operate the remote control. | • Replace the batteries (see Putting the batteries in the remote control on page 9).  
• Operate within 23 ft. / 7 m, 30° of the remote sensor on the front panel (see Using the remote control on page 9).  
• Remove any obstacles or operate from another position.  
• Avoid exposing the remote sensor on the front panel to direct light.  
• You won’t be able to use the remote sensor of this unit with the CONTROL IN jack of this unit connected to the CONTROL OUT jack of your plasma display. You can use the remote sensor of the plasma display (even in standby) as long as the power isn’t switched off. |
### Additional information

#### Problem | Remedy
---|---
**Sound Demo** shows in the display and the unit can't be controlled. | • Press and hold (stop) on the front panel for about five seconds. The disc tray ejects automatically to indicate the Sound Demo mode is disabled.
**Timer indicator is blinking and the system will not switch on.** | • Unplug the system, then plug back in. Wait for one minute then switch on.
• Make sure the fan at the rear of the system unit is not being blocked.
• Check that the speakers are connected correctly.
• Make sure the voltage of the mains power source is correct for the model.
• If the problem persists, take it to your nearest Pioneer authorized service center or your dealer for servicing.

#### DVD/CD/Video CD player

<table>
<thead>
<tr>
<th>Problem</th>
<th>Remedy</th>
</tr>
</thead>
</table>
**The disc is ejected automatically after loading.** | • Clean the disc.
• Align the disc properly in the disc guide.
• If the region number on a DVD-video disc does not match the number on the system unit, the disc cannot be used (see *DVD Video regions* on page 76).
• The system Parental Lock level is set to a level lower than the disc you are trying to play. See *Parental Lock* on page 72 to change it.
• Allow time for any condensation inside the system unit to evaporate. Avoid using the system near an air-conditioning unit. |
**Playback is not possible.** | • If the disc is loaded upside down, reload the disc with the label side face up. |
**Picture playback stops and the operation buttons cannot be used.** | • Press (stop), then (play) to start playback again.
• Switch the power off once, then on again using the front panel button. |
**Settings are canceled.** | • When the power is cut due to power failure or by unplugging the power cord, settings will be canceled. |
**No picture/No color.** | • Check that connections are correct and that plugs are inserted fully.
• Check the instruction manual of the TV/monitor to make sure the TV/monitor settings are incorrect. |
**Screen is stretched or aspect does not change.** | • The *TV Screen* setting is incorrect. Set the TV Screen option to match the TV/monitor you're using (see *Video Output settings* on page 69). |
**CD won't play.** | • Set the PhotoViewer menu option in the Initial Settings menu to Off to be able to play some copy-protected CDs. See *Options* on page 71. |
### Additional information

<table>
<thead>
<tr>
<th>Problem</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>When recorded on a VCR or passed through an AV selector, there is disturbance in the playback picture.</td>
<td>This system uses copy-protection technology which may prevent recording or cause picture problems when connected through a VCR or AV selector. This is not a malfunction.</td>
</tr>
</tbody>
</table>
| Picture disturbance during playback or dark. | This system is compatible with Macro-Vision System copy guard. Some discs include a copy prevention signal, and when this type of disc is played back, stripes etc., may appear on some sections of the picture depending on the TV. This is not a malfunction.  
• Discs respond differently to particular system functions. This may result in the screen becoming black for a brief instant or shaking slightly when the function is executed. These problems are largely due to differences between discs and disc content and are not malfunctions of this system. |
| DVD-Audio playback stops | The disc may have been illegally copied. |
| Noticeable difference in DVD and CD volume. | DVDs and CDs use different recording methods. This is not a malfunction. |

### MP3/JPEG discs

<table>
<thead>
<tr>
<th>Problem</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>CD-ROM disc is not recognized by the system.</td>
<td>Make sure that the CD-ROM was recorded using the ISO 9660 disc format. See Disc / content format playback compatibility on page 9 for other disc compatibility information.</td>
</tr>
<tr>
<td>Files don’t show up in the Disc Navigator/Photo Browser.</td>
<td>The files on the disc must be named with the correct file extension: .mp3 for MP3 files; .jpg for JPEG files (upper or lower-case is OK). See Disc / content format playback compatibility on page 9 for other disc compatibility information.</td>
</tr>
<tr>
<td>Can play JPEG files, but not MP3 files on the same disc. (or vice versa).</td>
<td>Set the PhotoViewer menu option in the Initial Settings menu to Off to be able to access the MP3 files. Set to On to be able to play the JPEG files. See Options on page 71.</td>
</tr>
</tbody>
</table>

### Tuner

<table>
<thead>
<tr>
<th>Problem</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto tuning does not pick up some stations.</td>
<td>The radio signal is weak. Auto tuning will only detect radio stations with a good signal. For more sensitive tuning, connect an outdoor antenna.</td>
</tr>
<tr>
<td>Sound is mono only.</td>
<td>The tuner may be set to FM mono (see Improving poor FM reception on page 39).</td>
</tr>
</tbody>
</table>
### Wireless speaker system

<table>
<thead>
<tr>
<th>Problem</th>
<th>Remedy</th>
</tr>
</thead>
</table>
| Audio cannot be received.                    | • The radio wave reception is variable depending on locations due to the effects of obstacles and reflecting objects. Try changing the location of the wireless speaker system a little.  
• The transmitter and wireless speaker are designed and sold as a pair, and they identify each other in communication. This means that communication is not available between a separately purchased transmitter and wireless speaker. |
| Audio is interrupted.                        | • This system uses high frequency radio waves that have properties similar to light, such as linearity, reflection, refraction, diffraction, and interference. Therefore, placement of the system can result in weak radio waves and/or interruption.  
• The distance between the transmitter and wireless speaker may be too large. Use the wireless speaker within the reach of the radio waves (within 10m) from the transmitter.  
• The system is being used in a location with radio wave interference or electrical noise. If so, the unit may need to be relocated. |
| Audio is suddenly interrupted.               | • There may be radio communication equipment using the same frequency band (2.4 GHz) as this system, such as a Bluetooth device, radio LAN device or microwave oven, operating nearby. |
| No sound from the wireless speaker.          | • If you selected **W.Stereo**, the volume on the wireless speaker may be turned down too low.  
• If you selected **W.Stereo**, the volume on the wireless speaker may be turned down too low. |
### Error Messages

<table>
<thead>
<tr>
<th>Message</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Child Lock</td>
<td>This message appears when the front panel buttons are pressed when the child lock feature is active. See Child lock setting on page 74 for more on switching on/off the child lock.</td>
</tr>
<tr>
<td>Rec Mode On</td>
<td>Blinks rapidly for 2 seconds when an operation is prohibited because the Recording Mode is on (see Recording mode on page 81).</td>
</tr>
<tr>
<td>Phones In</td>
<td>Blinks rapidly for 2 seconds when an operation is prohibited because headphones are connected.</td>
</tr>
<tr>
<td>DVD-AUDIO</td>
<td>Blinks rapidly for 2 seconds when an operation is prohibited because the source is DVD-Audio.</td>
</tr>
<tr>
<td>SACD</td>
<td>Blinks rapidly for 2 seconds when an operation is prohibited because the source is a Super Audio CD.</td>
</tr>
<tr>
<td>96k Stereo</td>
<td>Blinks rapidly for 2 seconds when an operation is prohibited because the source is digital 88.2 or 96kHz PCM.</td>
</tr>
<tr>
<td>No Surr. SP</td>
<td>Blinks rapidly for 2 seconds when an operation is prohibited because there is no surround speaker output.</td>
</tr>
<tr>
<td>Normal / Wide / Left Side / Right Side / W. Stereo</td>
<td>Blinks rapidly for 2 seconds when an operation is prohibited due to the wireless speaker setting.</td>
</tr>
<tr>
<td>Muting</td>
<td>Blinks rapidly for 2 seconds when an operation is prohibited because the sound is muted (press the MUTE button to turn the sound on).</td>
</tr>
<tr>
<td>Exit</td>
<td>Appears briefly when a menu is automatically exited after a set period of inactivity.</td>
</tr>
<tr>
<td>SR+ Error</td>
<td>Appears when there is a communication problem between the unit and the plasma display. Check all connections and retry.</td>
</tr>
</tbody>
</table>
Screen sizes and disc formats

DVD-Video discs come in several different screen aspects, ranging from TV programs, which are generally 4:3, to CinemaScope widescreen movies, with an aspect ratio of up to about 7:3.

Televisions also come in different aspect ratios; 'standard' 4:3 and widescreen 16:9.

Widescreen TV users

If you have a widescreen TV, the TV Screen setting (page 69) of this system should be set to 16:9 (Wide).

When you watch discs recorded in 4:3 format, you can use the TV controls to select how the picture is presented. Your TV may offer various zoom and stretch options; see the instructions that came with your TV for details.

Please note that some movie aspect ratios are wider than 16:9, so even though you have a widescreen TV, these discs will still play in a 'letterbox' style with black bars at the top and bottom of the screen.

Standard TV users

If you have a standard TV, the TV Screen setting (page 69) of this system should be set to 4:3 (Letter Box) or 4:3 (Pan&Scan), depending on which you prefer.

Set to 4:3 (Letter Box), widescreen discs are shown with black bars top and bottom.

Selecting languages using the language code list

Some of the language options allow you to set your preferred language from any of the 136 languages listed in the Language code list on page 89.

1. Select 'Other Language'.
2. Use the ←/→ (cursor left/right) buttons to select either a code letter or a code number.
3. Use the ↑/↓ (cursor up/down) buttons to select a code letter or a code number.

See Language code list on page 89 for a complete list of languages and codes.
### Language code list

**Language (Language code letter), Language code**

<table>
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**Country code list**

**Country, Country code. Country code letter**

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**Additional information**

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<tr>
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</tbody>
</table>
Preset code list

Please note that there are cases where only certain functions may be controllable after assigning the proper preset code, or the codes for the manufacturer in the list will not work for the model that you are using.

ACURA 644
ADMIRAL 631
AIWA 689
AKAI 630, 635, 642
AKURA 641
ALBA 670, 630, 641, 644
AMSTRAD 640, 644, 647
ANTIKTECH 644
ASA 646
ASUKA 641
AUDIODONIC 607, 636
BASELINE 641, 644
BAUR 631, 607, 642
BEKO 638
BEON 607
BLAUPUNKT 631
BLUE SKY 641
BLUE STAR 618
BPL 618
BRANDT 636
BTC 641
BUSH 607, 641, 642, 644, 647, 656
CASCADE 644
CATHAY 607
CENTURION 607
CGB 642
CIMUNE 644
CLARIVOX 607
CLATRONIC 638
CONDOR 638
CONTEC 644
CROSLEY 632
CROWN 638, 644
CRYSTAL 642
CYBERTRON 641
DAEWOO 607, 644, 656
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ELIN 601
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EMERSON 642
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FERGUSON 607, 636, 651
FINLANDIA 635, 643, 655
FINLUX 632, 607, 645, 648, 653, 654, 655
FIRSTLINE 640, 644
FISHER 602, 635, 638, 645
FORMENTI 602, 607, 642
FRONTECH 601, 642, 646
FRONTECH/PROTECH 632
FUJITSU 648, 629
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### Glossary

**Analog audio**  
Direct representation of sound by an electrical signal. See also Digital audio.

**Aspect ratio**  
The width of a TV screen relative to its height. Conventional TVs are 4:3; widescreen models are 16:9.

**Bonus Group**  
(DVD-Audio only) An 'extra' group on some DVD-Audio discs that requires a key number to access.

**Browsable pictures**  
(DVD-Audio only) A feature of some DVD-Audio discs in which the user can browse still pictures on the disc as the audio is played.

**Digital audio**  
Indirect representation of sound using numbers. See also Sampling frequency and Analog audio.

**Dolby Digital**  
A multichannel audio encoding system developed by Dolby Laboratories that enables far more audio to be stored on a disc than PCM encoding. See also PCM (Pulse Code Modulation).

**DRM copy protection**  
DRM (digital rights management) copy protection is a technology designed to prevent unauthorized copying by restricting playback, etc., of material on devices other than the PC used to record it. For detailed information, please see the instruction manuals or help files that came with your PC and/or software.

**DTS**  
A multichannel audio encoding system developed by Digital Theater Systems that enables far more audio to be stored on a disc than PCM encoding. See also PCM (Pulse Code Modulation).

**Dynamic range**  
The difference between the quietest and loudest sounds possible in an audio signal.

**EXIF**  
(Exchangeable Image File) A file format developed by Fuji Photo Film for digital still cameras. Digital cameras from various manufacturers use this compressed file format which carries date, time and thumbnail information, as well as the picture data.

**File extension**  
A tag added to the end of a filename to indicate the type of file. For example, "mp3" indicates an MP3 file.

**ISO 9660 format**  
International standard for the volume and file structure of CD-ROM discs.

**JPEG**  
A standard file format used for still images. JPEG files are identified by the file extension ".jpg".

**MP3**  
MP3 (MPEG1 audio layer 3) is a compressed stereo audio file format. Files are recognized by file extension ".mp3".

**MPEG audio**  
An audio format used on Video CDs and some DVD discs.

**MPEG video**  
A video format used on Video CDs and some DVD discs.

**PBC (Playback Control)**  
A system of navigating a Video CD through on-screen menus recorded onto the disc.

**PCM (Pulse Code Modulation)**  
Digital audio encoding system found on CDs. Good quality, but requires a lot of data compared to Dolby Digital, DTS and MPEG encoded audio. See also Digital audio.

**Progressive scan video**  
All the lines that make up a video picture are updated in one pass (compared to interlace which takes two passes to update the whole picture).

**Regions**  
These associate DVD-Video discs and players with particular areas of the world. See DVD Video regions on page 76 for more information.

**Sampling frequency**  
The rate at which sound is measured to be turned into digital audio data. The higher the rate, the better the sound quality. CD is 44.1 kHz; DVD can be up to 96 kHz. See also Digital audio.

**Super Audio CD (SACD)**  
A high quality audio disc format that can accommodate high sampling rate stereo and multichannel audio, as well as conventional CD audio all on the same disc.

Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic” and the double-D symbol are trademarks of Dolby Laboratories. “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc.
Specifications

**Amplifier section**
Continuous Power Output (RMS):
- Front, center, surround: 100 W per channel (1 kHz, 10% T.H.D., 6 Ω)
- Subwoofer: 100 W (100 Hz, 10% T.H.D., 6 Ω)

**FM tuner section**
- Frequency range: 87.5 – 108 MHz
- Antenna: 75 Ω, unbalanced

**AM tuner section**
- Frequency range:
  - With 9 kHz step: 531 kHz to 1,602 kHz
  - With 10 kHz step: 530 kHz to 1,700 kHz
- Antenna: Loop antenna

**Miscellaneous**
- Power requirements: AC 120 V, 60 Hz
- Power consumption: 180 W
- Power consumption in standby: 0.5 W
- Dimensions: 420 (W) x 126 (H) x 445 (D) mm / 16 9/16 (W) x 4 15/16 (H) x 17 1/2 (D) in.
- Weight: 9.8 kg / 21 lb 10 oz

**Accessories (DVD/CD receiver)**
- Remote control: 1
- AA/R6P dry cell batteries: 2
- Video cable (yellow plugs): 1
- AM loop antenna: 1
- FM antenna: 1
- Power cord: 1
- These operating instructions: 1
- Warranty Card: 1

**Speaker System (S-HTD540)**
(front speakers x2, surround speakers x2, center speaker x1, subwoofer x1)

**Front speakers**
- Enclosure: Closed-box bookshelf type (magnetically shielded)
- System: 2-way system
- Nominal impedance: 6 Ω
- Frequency range: 50 Hz to 20 kHz
- Maximum Input Power: 100 W
- Dimensions: 155 (W) x 364 (H) x 190 (D) mm / 6 1/8 (W) x 4 15/16 (H) x 7 1/2 (D) in.
- Weight: 2.6 kg / 5 lb 12 oz

**Center speaker**
- Enclosure: Closed-box bookshelf type (magnetically shielded)
- System: 8.7 cm 1-way system
- Speakers: 8.7 cm cone type
- Nominal impedance: 6 Ω
- Frequency range: 65 Hz to 20 kHz
- Maximum Input Power: 100 W
- Dimensions: 350 (W) x 120 (H) x 75 (D) mm / 13 3/4 (W) x 4 3/4 (H) x 3 (D) in.
- Weight: 1 kg / 2 lb 3 oz

**Surround speakers**
- Enclosure: Closed-box bookshelf type (magnetically shielded)
- System: 8.7 cm 1-way system
- Speakers: 8.7 cm cone type
- Nominal impedance: 6 Ω
- Frequency range: 95 Hz to 20 kHz
- Maximum Input Power: 100 W
- Dimensions: 155 (W) x 110 (H) x 110 (D) mm / 6 1/8 (W) x 4 5/16 (H) x 4 5/16 (D) in.
- Weight: 0.8 kg / 1 lb 13 oz

**Subwoofer**
- Enclosure: Bass-reflex floor type
- System: 16 cm 1-way system
- Speaker: 16 cm cone type
- Nominal impedance: 6 Ω
- Frequency range: 35 Hz to 20 kHz
- Maximum Input Power: 100 W
- Dimensions: 190 (W) x 360 (H) x 327 (D) mm / 7 1/2 (W) x 4 3/4 (H) x 12 1/8 (D) in.
- Weight: 5.0 kg / 11 lb 0 oz

Speakers:
- Woofers: 10 cm cone type
- Tweeters: 5.2 cm cone type
- Nominal impedances: 6 Ω
- Frequency ranges: 50 Hz to 20 kHz
- Maximum Input Powers: 100 W
- Dimensions: 155 (W) x 364 (H) x 190 (D) mm / 6 1/8 (W) x 4 15/16 (H) x 7 1/2 (D) in.
- Weights: 2.6 kg / 5 lb 12 oz

**Center speaker**
- Enclosure: Closed-box bookshelf type (magnetically shielded)
- System: 8.7 cm 1-way system
- Speakers: 8.7 cm cone type
- Nominal impedances: 6 Ω
- Frequency ranges: 65 Hz to 20 kHz
- Maximum Input Powers: 100 W
- Dimensions: 350 (W) x 120 (H) x 75 (D) mm / 13 3/4 (W) x 4 3/4 (H) x 3 (D) in.
- Weights: 1 kg / 2 lb 3 oz

**Surround speakers**
- Enclosure: Closed-box bookshelf type (magnetically shielded)
- System: 8.7 cm 1-way system
- Speakers: 8.7 cm cone type
- Nominal impedances: 6 Ω
- Frequency ranges: 95 Hz to 20 kHz
- Maximum Input Powers: 100 W
- Dimensions: 155 (W) x 110 (H) x 110 (D) mm / 6 1/8 (W) x 4 5/16 (H) x 4 5/16 (D) in.
- Weights: 0.8 kg / 1 lb 13 oz

**Subwoofer**
- Enclosure: Bass-reflex floor type
- System: 16 cm 1-way system
- Speaker: 16 cm cone type
- Nominal impedances: 6 Ω
- Frequency ranges: 35 Hz to 20 kHz
- Maximum Input Powers: 100 W
- Dimensions: 190 (W) x 360 (H) x 327 (D) mm / 7 1/2 (W) x 4 3/4 (H) x 12 1/8 (D) in.
- Weights: 5.0 kg / 11 lb 0 oz
Additional information

Accessories (S-HTD540)
Speaker cables .................. 6
Non-skid pads .................. 2 sheets

Digital Wireless Speaker System (XW-HTD640)

General
Digital Wireless Speaker System (Transmitter / Wireless speaker)

Transmitter
AC adapter:
Power requirements ................ AC120V, 60 Hz
Power consumption ............... 8W
Rated output ....................... 12V/300mA
Power consumption (without AC adapter) 2W
Input .................. RCA jack
Weight .................. 0.3 kg / 11 oz
Dimensions ........... 166 (W) x 56 (H) x 112 (D) mm

Wireless speaker
Power requirements ................ AC120V, 60 Hz
Power consumption ............... 57W
Amplifier characteristics
Maximum power output ............ 25W/ch RMS(1kHz, THD 10%, 4Ω)
Speaker unit ............... 7 cm cone type x2
Weight .................. 4.0 kg / 8 lb 14oz
Dimensions (without antenna) ....... 430 (W) x 180(H) x 138 (D) mm
16 15/16 (W) x 7 7/8 (H) x 5 11/16(D) in.

Accessories (XW-HTD640)
AC adapter .................. 1
RCA stereo cord .................. 1
Warranty card .................. 1
Power cable .................. 1

Speaker System (S-HTD630)
(Front speakers x2, center speaker x1, subwoofer x1)

Front speakers
Enclosure .................. Closed-box bookshelf type (magnetically shielded)
System .................. 2-way system
Speakers
Woofers .................. 10 cm cone type
Tweeter .................. 5.2 cm cone type
Nominal impedance ................ 6 Ω
Frequency range .............. 60 Hz to 20 kHz
Maximum Input Power .......... 100 W
Dimensions ........... 165 (W) x 235 (H) x 204 (D) mm
5 11/16 (W) x 9 1/4 (H) x 8 1/16 (D) in.
Weight .................. 2 kg / 4 lb 7 oz

Center speaker
Enclosure .................. Closed-box bookshelf type (magnetically shielded)
System .................. 8.7 cm 1-way system
Speakers .................. 8.7 cm cone type
Nominal impedance ................ 6 Ω
Frequency range .............. 70 Hz to 20 kHz
Maximum Input Power .......... 100 W
Dimensions ........... 310 (W) x 110 (H) x 85 (D) mm
12 3/8 (W) x 4 7/16 (H) x 3 3/8 (D) in.
Weight .................. 1 kg / 2 lb 3 oz

Subwoofer
Enclosure .................. Bass-reflex floor type
System .................. 16 cm 1-way system
Speakers .................. 16 cm cone type
Nominal impedance ................ 6 Ω
Frequency range .............. 35 Hz to 2 kHz
Maximum Input Power .......... 100 W
Dimensions ........... 190 (W) x 360 (H) x 327 (D) mm
7 1/2 (W) x 14 3/16 (H) x 12 7/8 (D) in.
Weight .................. 5.0 kg / 11 lb 0 oz

Accessories (S-HTD630)
Speaker cables .................. 4
Non-skid pads .................. 1 sheet
Digital Wireless Rear Speaker System (XW-HTD630)

General
Digital Wireless Rear Speaker System (Transmitter/Wireless speaker)

Transmitter
AC adaptor:
- Power requirements: AC120V, 60 Hz
- Power consumption: 8W
- Rated output: 12V/300mA
- Power consumption (without AC adaptor): 2W
- Input: RCA jack
- Weight: 0.3 kg / 11 oz
- Dimensions: 166 (W) x 56 (H) x 112 (D) mm, 6 9/16 (W) x 2 3/16 (H) x 4 7/16 (D) in.

Wireless speaker
- Power requirements: AC120V, 60 Hz
- Power consumption: 57W
- Amplifier characteristics
  - Maximum power output: 25W/ch RMS(1kHz, THD 10%, 4Ω)
  - Speaker unit: 7 cm cone type x2
  - Weight: 4.2 kg / 9lb 4oz
  - Dimensions: 420 (W) x 178 (H) x 138 (D) mm, 16 5/16 (W) x 7 (H) x 5 7/16 (D) in.

Accessories (XW-HTD630)
- AC adaptor: 1
- RCA stereo cord: 1
- Operating Instructions: 1
- Warranty card: 1

Note
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Specifications and design subject to possible modification without notice, due to improvements.
Dear Customer:

Selecting fine audio equipment such as the unit you’ve just purchased is only the start of your musical enjoyment. Now it’s time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association’s Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing “comfort level” adapts to higher volumes of sound. So what sounds “normal” can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:
● Start your volume control at a low setting.
● Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:
● Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

We Want You Listening For A Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association’s Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

Decibel Level | Example
---|---
30 | Quiet library, soft whispers
40 | Living room, refrigerator, bedroom away from traffic
50 | Light traffic, normal conversation, quiet office
60 | Air conditioner at 20 feet, sewing machine
70 | Vacuum cleaner, hair dryer, noisy restaurant
80 | Average city traffic, garbage disposals, alarm clock at two feet.

THE FOLLOWING NOISES CAN BE DANGEROUS UNDER CONSTANT EXPOSURE

90 | Subway, motorcycle, truck traffic, lawn mower
100 | Garbage truck, chain saw, pneumatic drill
120 | Rock band concert in front of speakers, thunderclap
140 | Gunshot blast, jet plane
180 | Rocket launching pad

Information courtesy of the Deafness Research Foundation.