Contents

IMPORTANT SAFETY INSTRUCTIONS

WARNING

RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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

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

SAFETY

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10) Only use attachments/accessories specified by the manufacturer.
11) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
12) Unplug this apparatus during lightning storms or when unused for long periods of time.

13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power- supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14) Battery usage CAUTION - To prevent battery leakage which may result in bodily injury, property damage, or damage to the apparatus:
    - Install all batteries correctly, + and - as marked on the apparatus.
    - Do not mix batteries (old and new or carbon and alkaline, etc.).
    - Remove batteries when the unit is not used for a long time.
15) The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
16) Do not expose the apparatus to any dripping or splashing and make sure no object filled with liquids, such as vases, etc., are placed on them.
17) Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).
18) This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations.

WARNING

- Before operating this system, check the voltage of this system to see if it is identical with the voltage of your local power supply.
- The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table-cloths, curtains etc. Make sure there is at least 20 cm of space above and at least 5 cm of space on each side of the unit.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- To prevent fire or shock hazard, do not expose this equipment to hot places, rain, moisture or dust.
- Don't get close to the water source when using this unit, such as near bathtub, bath slot, ish-washing slot, washing machine to use it; also don't use this unit on damp plinth or nearby swimming pool or similar close to the water source.
- Do not place this unit close to strong magnetic field.
- Do not place the unit on the amplifier or receiver.
- Don't place this unit close to the damper, or the moisture will affect the life of the laser head.

- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the player. Should this occur, the system will notoperate properly. Remove the disc and leave the system turned on for about an hour until the moisture evaporates.
- To keep the laser pickup clean, do not touch it, and always close the disc tray.
- Do not attempt to clean the unit with chemical solvents as this might damage the finish. Use a clean, dry or slightly damp cloth.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank on the cord.
- Depending on the electromagnetic waves used by a television broadcast, if a TV is turned on near this unit while it is also on, lines might appear on the TV screen. Neither this unit nor the TV are malfunctioning. If you see such lines, keep this unit well away from the TV set.
- The mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

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

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

Hearing safety

Listen at a moderate volume.
- Using headphones at a high volume can, impair your hearing. This product can produce sounds in decibel ranges that may cause hearing loss for a normal person, even for exposure less than a minute. The higher decibel ranges are offered for those that may have already experienced some hearing loss.
- Sound can be deceiving. Over time your hearing 'comfort level' adapts to higher volumes of sound. So after prolonged listening, what sounds 'normal' can actually be loud and harmful to your hearing. To guard against this, set your volume to a safe level before your hearing adapts and leave it there.

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

Listen for reasonable periods of time:
- Prolonged exposure to sound, even at normally 'safe' levels, can also cause hearing loss.
- Be sure to use your equipment reasonably and take appropriate breaks.

Be sure to observe the following guidelines when using your headphones.
- Listen at reasonable volumes for reasonable periods of time.
- Be careful not to adjust the volume as your hearing adapts.
- Do not turn up the volume so high that you can't hear what's around you.
- You should use caution or temporarily discontinue use in potentially hazardous situations. Do not use headphones while operating a motorized vehicle, cycling, skateboarding, etc.; it may create a traffic hazard and is illegal in many areas.

Keep the children away from top "PUSH" panel operation to avoid his finger being stuck in the panel gap.
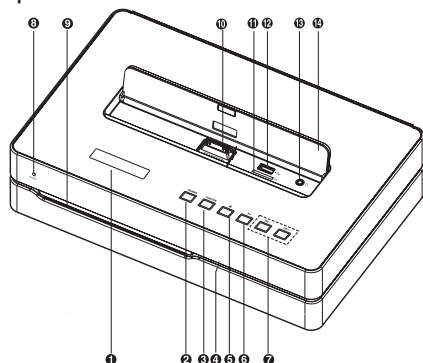
This apparatus includes this label:

CLASS 1
LASER PRODUCT

DOLBY
DIGITAL

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Identifying the Parts

Main Unit

Top view

1 Display Panel

Show the current status.

2 ⏻

Turn on this product or switch to Eco Power standby mode.

3 FUNCTION

Select a source.

4 iR

Remote control sensor

5 ⏏

Open or Close disc compartment.

6 ►❚❚

Start or pause play.

7 VOLUME + / VOLUME -

Adjust volume level

8 Power Light

Indicate mode of power

9 Disk Compartment

10 Dock for iPad/iPhone/iPod

Load an iPad/iPhone/iPod.

11 SD card Socket

Connect to SD card

12 ⟷

USB Socket.

13 🎧

Headphone Socket

14 Cover of iPad/iPhone/iPod Dock

Back view
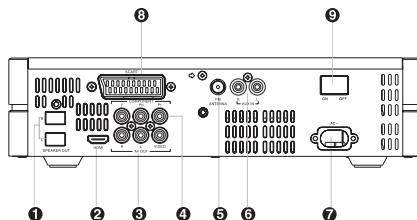
1 SPEAKER Sockets

Connect to speakers

2 HDMI Socket

Connect to a TV

3 AV OUT Terminal

Connect to a TV

4 COMPONENT Socket

Connect to a TV

5 FM Antenna Socket

Connect to a FM Antenna.

6 AUX IN Terminals

Connect to an external audio device

7 AC~

Connect to power cord

8 SCART OUT Socket

Connect to a TV

9 Power ON/OFF Switch

Remote Control
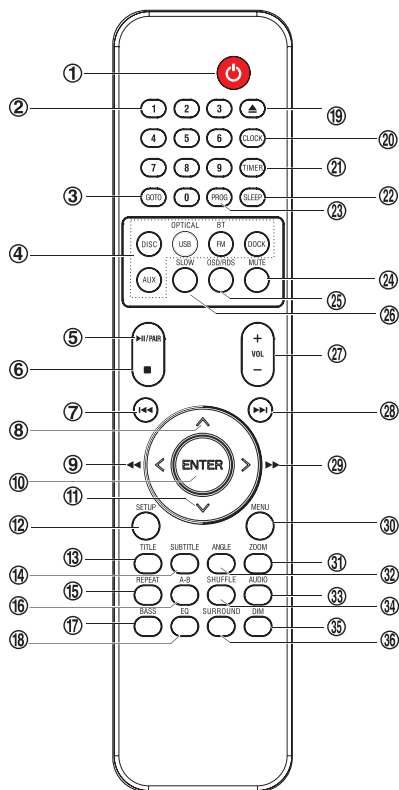
1 ⏻
Press this button to turn on or switch to the Eco Power standby mode.

2 Numeric keypad (0~9)
- Select a title/chapter/track
- Select a preset radio station.

3 GOTO
Access quick menu for title/chapter/track time/ DISC time selection.

4 FUNCTION buttons
Select a source.

5 ►ΙΙ/Pair
- Start or pause playback.
- Pair the bluetooth-enabled device.

6 ■
Press this button to stop playback.

7 Ι◄◄
- Skip to previous title/chapter/track
- Select previous radio station.

8 ▲
- Navigate up through menus.
- Tune to a radio station.
- Rotate a picture.

9 ◄◄,◄
- Navigate left through menus
- Search backward within a track/disc.
- Tune to a radio station by searching backward.

10 ENTER
Confirm a selection.

11 ▼
- Navigate down through menus.
- Tune to a radio station.
- Rotate a picture.

12 SETUP
Press this button to enter the setup menu where you can setup the parameters of the unit.

13 TITLE
Access the title menu.

14 SUBTITLE
Select a subtitle language during video play.

15 REPEAT
Select repeat play modes.

16 A-B
Repeat a specific section within a track/chapter.

17 BASS
Enable and adjust bass level.

18 EQ
Select a preset sound effect:
FLAT, Pop, Classic, Rock, Jazz.

19 ▲
Open or close disc compartment.

20 CLOCK
- In standby mode hold and press to activate clock setup.
- Display current clock

21 TIMER
Set the alarm timer.

22 SLEEP
Set the sleep timer.

23 PROG
- Program titles/chapters for DVD playback
- Program tracks for VCD playback
- Program radio stations

24 MUTE
Mute or resume sound.

25 RDS/OSD
In DISC or USB mode:
Press this button to display information about the currently playing disc.
In TUNER mode:
Press this button to view the RDS information.

26 SLOW

During playback, press this button repeatedly to select slow play forword/backward.

27 VOL+/- (Volume)

Adjust volume level.

28 ▶▶I

- Skip to next title/chapter/track.
- Select next preset radio station.

29 ▶,▶▶

- Navigate right through menus
- Search forward within a track/disc.
- Tune to a radio station by searching forward.

30 MENU

- Switch between the folder list and the file list for iPhone/iPod.
- Return to the upper-level menu.
- Back to the DVD root menu.
- Enable/disable the PBC menu for VCD.

31 ZOOM

Zoom in image on screen.

32 ANGLE

Select a camera angle to view video play.

33 AUDIO

Select an audio channel during video play.

34 SHUFFLE

Select shuffle play mode.

35 DIM

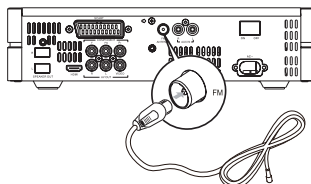Adjust brightness level of display panel.

36 SURROUND

Press this button to turn on or turn off surround sound.

Connections

Connect to FM Antenna

Connect the supplied FM wire antenna to the FM Antenna socket on the unit.

If reception is poor, connect the outside antenna.
Note:
Before attaching a 75 ohm coaxial lead (the kind with a round wire going to an outside antenna), disconnect the supplied FM wire antenna.
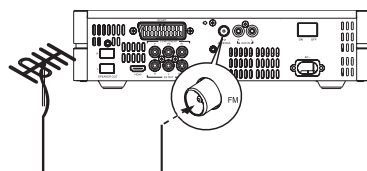
Caution:
To avoid noise, keep antennas away from the system, the connecting cord and the AC power cord.

Connect to TV

IMPORTANT!
- You only need to make one video connection from the following options, depending on the capabilities of your TV.

Note:
- Connect the DVD system directly to the TV.

DVD Player Output

TV Input

1 Using COMPONENT Socket
- Connect a progressive scan TV through component video for higher quality video.
- Connect component video cables (red/blue/green not supplied) to:
• the VIDEO OUT (Y Pb Pr)sockets on this unit.
• the component video input sockets on the TV.
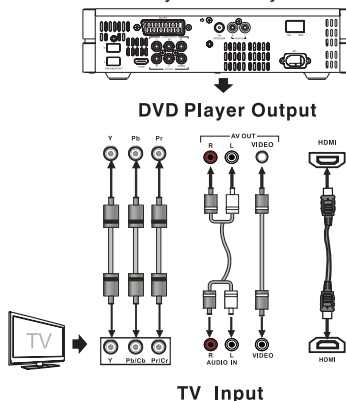
Note:
- The progressive scan video quality is only available when a progressive scan TV is connected.
- If your TV does not support progressive scan, you cannot view the picture.
- For how to activate progressive scan on your TV, refer to the TV user manual.

The component video input jack on the TV might be labeled as Y Pb Pr or YUV.
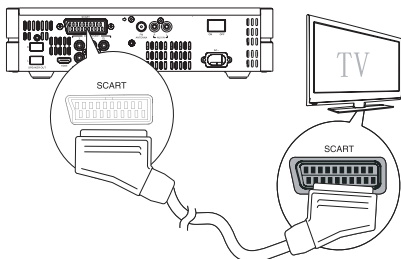
2 Using AV OUT Socket
Connect audio cables to:
- the AV OUT R/L sockets on this unit.
- the audio input sockets on the external audio device.

Connect the composite video cable to:
- the VIDEO socket on this unit.
- the video input socket on the TV.

3 Using SCART Socket

Connect the SCART cable to:
- the SCART socket on this unit.
- the corresponding Scart input jacks on the TV.

4 Using HDMI Socket
Connect HDMI (High Definition Multimedia Interface), DVI (Digital Visual Interface), or HDCP (High-bandwidth Digital Contents Protection)-compliant TVs through HDMI for the best picture quality. This connection transmits both video and audio signals. Through this connection, you can watch DVDs that contain HD (High-Definition) content.
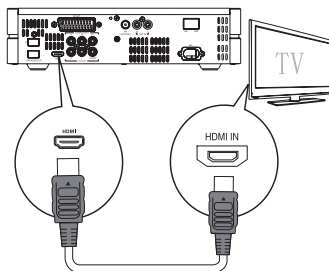
Note:
Some TVs do not support HDMI audio transmission.
Connect an HDMI cable to:
- the HDMI socket on this unit.
- the HDMI socket on the TV.
If your TV has only a DVI connection, connect through a HDMI/DVI adaptor. An extra audio connection is needed to complete this connection.

Connect to an external device
You can also listen to an external audio device through this unit.
Using AUX IN socket
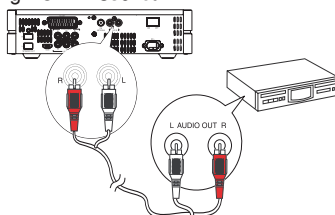
Connect audio cables to:
- the AUX IN sockets on this unit.
- the audio output sockets on the external audio device.

Connect to Speakers
Note:
- For optimal sound, use the supplied speakers only.
- Connect only speakers with impedance that is the same or higher than the supplied speakers.
  Refer to the Specifications section of this manual.

Insert the speaker plugs to SPEAKER OUT(L and R) sockets.
- The plug of right speaker to R.
- The plug of left speaker to L.

Connect to Headphone

Plug a headphone into the ∩ socket.

Connect power

Caution:
- Risk of product damage! Ensure that the power supply voltage corresponds to the voltage printed on the back or the underside.
- Before connecting the AC power cord, ensure you have completed all other connections.

Connect the AC power cord to:
- the AC~ socket on this unit.
- the wall socket.

Install remote control batteries

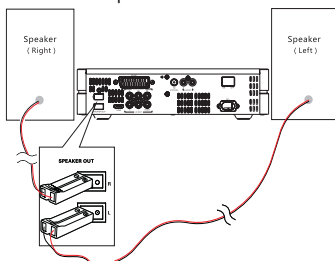The provided Remote Control allows the unit to be operated from a distance.
When operating the Remote Control, point it towards the remote sensor on the front panel of the unit.
- Even if the Remote Control is operated within the effective range (5m), remote control operation may be impossible if there are any obstacles between the unit and the remote control.
- If the Remote Control is operated near other products which generate infrared rays, or if other remote control devices using infrared rays are used near the unit, it may operate incorrectly. Conversely, the other products may operate incorrectly.

Battery Installation

1 Remove the battery compartment cover.
2 Insert two "AAA" (R03 or UM-4) dry batteries. Make sure that the batteries are inserted with their positive "⊕" and negative "⊖" polespositioned correctly.
3 Close the cover.

Precautions concerning batteries

- Be sure to insert the batteries with correct positive "⊕" and negative "⊖" polarities.
- Use batteries of the same type. Never use different types of batteries together.
- Either rechargeable or non-rechargeable batteries can be used. Refer to the precautions on their labels.
- When the Remote Control is not to be used for a long time (more than a month), remove the battery from the Remote Control to prevent it from leaking.
- If the batteries leak, wipe away the leakage inside the battery compartment and replace the batteries with new ones.
- Do not use any batteries other than those specified. Do not mix new batteries with old ones.
- Do not heat or disassemble batteries. Never throw them in fire or water.
- Do not carry or store batteries with other metallic objects. Doing so could cause batteries to short circuit, leak or explode.
- Never recharge a battery unless it is confirmed to be a rechargeable type.

Basic Operation

Power On/Off

You can use all the functions on the panel of the unit or the remote control after connecting to power supply (called Standby Mode).

Turning the System On

Press the ⏻ button to turn the system on from standby mode.

Note:

When turning the system on, the system will continue in the mode it was in when it was turned off last time.

Turning the System Off

Press the ⏻ button again to turn the system off and go to standby mode.

Note:

Be sure to unplug the power cord from the outlet when the system is not in use for an extended period of time.

Select the correct TV system

Change this setting if the video does not appear correctly. By default, this setting matches the most common setting for TV in your country.

1 No disc mode, press the SETUP button.
2 Select [Preference Page].
3 Select [TV Type] and then press the ▶ button.
4 Select a setting and then press the ENTER button.
  - [PAL] -   For TV with PAL color system.
  - [Auto] -   For TV that is compatible with both NTSC and PAL (multi-system).
  - [NTSC] - For TV with NTSC color system.
5 To exit the menu, press the SETUP button.

Change system menu language

1 Press the SETUP button.
2 Select [General Setup Page].
3 Select [OSD language] and then press the ▶ button.
4 Select a setting and then press the ENTER button.
5 To exit the menu, press the SETUP button.

Setting the Clock

The built-in clock shows the correct time in the display.

1 In standby mode, press and hold the CLOCK button to activate the clock setting mode, hour indicator will blink.
2 Set the hour with the ▲ button or ▼ button.
3 Press the ENTER or CLOCK button to confirm, minute indicator will blink.
4 Set the minute with the ▲ button or ▼ button.
5 Press the ENTER or CLOCK button to confirm, the built-in clock starts operating and the seconds start counting from 0.

Note:

* The operating time of every step shouldn't be longer than 15 seconds or it will return to the original display.
* If there is a power failure or the power system is turned off, the clock will lose its setting.
* When you press the CLOCK button, the clock time is displayed. Wait for a few seconds until the display returns to the original display.

Adjust volume level

During play, press the VOL+/- buttons to increase/decrease the volume level.

Select a preset sound effect

During play, press the EQ button repeatedly to select: [FLAT] , [Pop] , [Classic] , [Rock] , [Jazz] , [Vocal]

Super Bass boost

Press the BASS button repeatedly to select the base boost level.

Select Surround sound

Press SURROUND button to get surround sound. Pressthis button again to cancel the effect.

Mute sound

During play, press the MUTE button to mute or restore sound. Press this button again or VOLUME+ button to cancel the effect.

Adjust brightness of display panel

Press the DIM button repeatedly to select different levels of brightness for the display panel.

Play

Play a disc

Caution!

- Never look at the laser beam inside the unit.
- Risk of product damage! Never play discs with accessories such as disc stabilizer rings or disc treatment sheets.
- Never put any objects other than discs into the disc compartment.

1 Press the DISC button to select the DISC source.
2 Use the ⏏ button to open the disc tray.
3 Place a disc onto the disc tray (with the printed side up) and use the ⏏ button to close the disc tray.
4 The unit will read the disc and play it automatically.
  - To stop play, press the ■ button.
  - To pause or resume play, press the ▶❚❚ button.

- To skip to the previous/next title/chapter/track, press the I◄◄/►►I buttons.

If play does not start automatically:
- Select a title/chapter/track and then press the ►II button.

Use the disc menu

When you load a DVD/(S)VCD disc, a menu may be displayed on the TV screen.

● **To access or exit the menu manually:**
  Press the MENU button.
● **For VCD with PlayBack Control (PBC) feature (version 2.0 only):**

With the PBC feature, you can play VCD interactively according to the menu screen. During play, press the MENU button to enable/disable PBC.
- When PBC is enabled, the menu screen is displayed.
- When PBC is disabled, normal play is resumed.

Select an audio language

You can select an audio language on DVDs video.
● During disc play, press the AUDIO button.
  - The language options appear. If the selected audio channels is unavailable, the default disc audio channel is used.

Note:

For some DVDs, the language can only be changed from the disc menu. Press the SETUP button to access the menu.

Select a subtitle language

You can select a subtitle language on DVDs discs.
● During play, press the SUBTITLE button.

Note:

For some DVDs, the language can only be changed from the disc menu. Press the SETUP button to access the menu.

Play iPad/iPhone/iPod

Note:

Keep the children away from top "PUSH" panel operation to avoid his finger being stuck in the panel gap.

1 Press [PUSH] to lift up the dock cover.
2 Press the DOCK button on remote control or ⊟ button on front panel to select the iPad/iPhone/iPod source.
3 Place the iPad/iPhone/iPod in the dock.
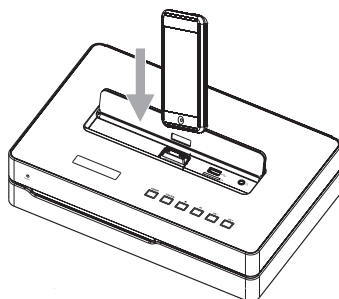
4 Start to play the connected iPad/iPhone/iPod.
  - To pause/resume play, press the ►II button.
  - To skip to previous/next track, press the I◄◄/►►I buttons.
  - To search during play: press and hold I◄◄/►►I buttons, then release to resume normal play.
  - To navigate the menu: press MENU button, then press ▲,▼to select, and press ►II to confirm.
  - To select repeat play options: press the REPEAT button repeatedly to select a repeat mode.
  - To select repeat shuffle options: press the SHUFFLE button repeatedly to select a shuffle mode.

Charge the iPad/iPhone/iPod

The docked iPad/iPhone/iPod begins to charge as soon as the unit is connected to AC power.

Play from USB/SD Card

Note:

Keep the children away from top "PUSH" panel operation to avoid his finger being stuck in the panel gap.

1 Press [PUSH] button to lift up the cover.
2 Insert the USB/SD card device.
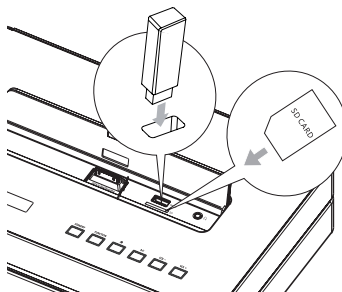
3 Press "DISC/USB/SD" button on RC or function button on front panel to select USB/SD card source.

4 Press the ▲/▼ buttons to select a folder, then press the ENTER button to confirm.
5 Press the ▲/▼ buttons to select a file from the folder.
6 Press the ►II to start play.
   - To stop play, press the ■ button.
   - To pause or resume play, press the ►II button.
   - To skip to the previous/next file, press the I◄◄/►►I buttons.
   - To return to the upper-level menu, press the MENU button, and then press the ENTER button to confirm.

Play MP3/WMA/PICTURE files

You can play MP3/WMA/picture files copied onto a CD-R/RW, recordable DVD or USB device.

1 Insert a disc or connect a USB device.
2 Select a source:
   - For discs, press the DISC button.
   - For USB devices, press the USB button.
3 Press the ▲/▼ buttons to select a folder, then press the ENTER button to confirm.
4 Press the ▲/▼ buttons to select a file from the folder.
5 Press the ►II button to start play.
   - To stop play, press the ■ button.
   - To pause or resume play, press the ►II button.
   - To skip to the previous/next file, press the I◄◄/►►I buttons.
   - To return to the upper-level menu, press the MENU button, and then press the ENTER button to confirm.

Play Control

Select repeat play options
● During play, press the REPEAT button repeatedly to select a repeat option play mode.

Repeat A-B (DVD/VCD/CD/MP3/WMA)
1 During music or video play, press the A-B button at the start point.
2 Press the A-B button at the end point.
   - The selected section starts to play repeatedly.
   - To cancel repeat play, press the A-B button again.
Note:
The section A and B can be setted only within the same track/title.

Search forward/backward
● During play, press the ◄◄/►► buttons repeatedly to select a search speed.
   - To resume play at normal speed, press the ►II button.

Search by time or chapter/track number
During video/audio play, press the GOTO button repeatedly until a time field or chapter/track field is displayed.
   - For the time field, enter the play position in hours, minutes and seconds.
   - For the chapter/track field, enter the chapter/track.
   - Play starts automatically at your selected point.

Resume video play from last stopped point
● In stop mode and when the disc has not been removed, press the ►II button.

To cancel resume mode and stop play completely:
● In stop mode, press the ■ button.
Note:
This feature is only available for DVD/VCD play.

Select shuffle play options
● During play, press the SHUFFLE button to select the shuffle play mode.

Play options

Display play information
● During play, press the OSD button repeatedly to display play information.

Zoom in/out image
During video play, press the ZOOM button repeatedly to zoom in/out the image.
   - When the image is zoomed in, you can press the ▲,▼,◄,► to pan through the image.

Program
● **For video discs/audio CDs:**
1 During play or in stop mode, press the PROG button to access the program menu.
2 Enter the tracks/chapters to add to the program.
3 Repeat step 2 until the program is completed.
4 Select [Start] , then press the ►II button to play the program.
● **For MP3/WMA files:**
1 During play or in stop mode, press the PROG button until the file list is displayed.
2 Select a file, then press the PROG button to add the file to the play list.
3 Repeat steps 2 until the program is complete.
4 Press the ►II button to play the program.
● **To delete a file from the [Program List] :**
1 Press the MENU button until the play list is displayed.
2 Select a file, then press the PROG button to delete the file from the play list.

Change the audio channel
● During play, press the AUDIO button repeatedly to select an audio channel available on the disc:
   - Left Mono
   - Right Mono
   - Stereo
Note: This feature is only available for VCD play.

Display menu

In play mode, press the TITLE button to go back to the title menu during PBC playback.

Select a camera angle

During play, press ANGLE button repeatedly to select a camera angle.

Note:

This feature is only available for DVDs recorded with multiple camera angles.

Picture view options

Preview pictures

1 During play, press the ■ button.
    -   The thumbnails of 12 pictures are displayed.
2 Select one of the following:
    -   a picture
    -   the slide show option
    -   the menu option
    -   the next/previous page (if available)
3 Press the ENTER button to:
    -   play the selected picture
    -   start slide show of all pictures
    -   enter the menu where each remote key function is explained
    -   turn to the next/previous page (if available)

Select a slide show play mode

● During play, press the PROG buttons repeatedly to select a slide-show play mode.

Rotate picture

● During play, press the ▲/▼ buttons to rotate the picture anti-clockwise/clockwise.

Adjust settings

Introduction

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

1 Press the SETUP button.
2 Press the ◄,► buttons to select a setup page .
3 Press the ▲,▼ buttons to select an option and then press the ► button.
4 Press the ▲,▼ buttons to select a setting and then press the ENTER button .
    -   To return to the previous menu, press the ◄ button.
    -   To exit the menu, press the SETUP button.

General Setup Page

TV DISPLAY

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

Note:

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

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

4:3 PANSCAN

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

4:3 LETTERBOX

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

16:9

Use with a 16:9 wide television.

● Some wide-screen discs that do not permit the Pan Scan mode playback are automatically played in Letter Box mode.
● Depending on the DVD, 4:3 Letter Box may be selected automatically instead of 4:3 Pan Scan and vice versa.
● If 16:9 (Wide) is selected and a normal TV is connected, 16:9 content will appear distorted during playback (objects look thin).

OSD (On Screen Display) Language

Select the desired language for on screen menus of the unit.

Screen Saver

On

The screen saver starts up if nothing is played back and no operations are performed for 4 minutes.

Off

The screen saver does not start up.

Last Memory

On

Select this to make last memory function available.

Off

Select this to make last memory function invalid.

Audio Setup Page

Downmix (Analog Audio)

LT/RT

5.1 channel audio is mixed into left channel and right channel and is output via FL and FR speakers respectively.

Stereo

5.1 channel audio is mixed into stereo signal and is output via the FL and FR speakers.

Off

Select this to make this function invalid.

Note:

Only for Dolby AC-3 encoded 5.1- channel discs.

Reverb Mode (3D Processing)

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

Video Setup Page

Notes:

Component setup and quality setup is invalid until HDMI is setted to off.

CVBS

If the component connection is used, select this option.

YUV

Set the video output according to the video connection.

RGB

If the composite connection is used, select this option.

Color Setting

You can adjust some parameters of video picture.

1 Highlight "Color Setting" and press the ▶ button.
2 Use the ◄/► buttons to select the parameter.

Sharpness

This adjusts the sharpness of the picture shown on the monitor.
Select High, Medium or Low using the Cursor buttons, and press the ENTER button.

Brightness

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

Contrast

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

Gamma

This adjusts the gamma value of the picture.
Select High, Medium, Low or None using the Cursor buttons, and press the ENTER button.

Hue

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

Saturation

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

3 Press left button (◄) to return to the Video Setup Page.

HDMI Setup

HDMI

On
Select this to have the signal output when your TV or monitor is connected to the HDMI out terminal.
Off
Select this when you do not use the HDMI out terminal.
No signal is output from the HDMI out terminal.

AUDIO FORMAT

AUTO
Detect and select the best supported audio format automatically

PCM
Multi-channel audio format will be down-mixed to two channel sound.

RESOLUTION
The resolution options include 480p(60Hz), 720p(60Hz), 1080i(60Hz), 1080p(60Hz), 576p(50Hz), 720p(50Hz), 1080i(50Hz) and 1080p(50Hz).

CEC SETUP

HDMI-CEC:
You can use one single remote control to control all HDMI CEC devices that connected via HDMI connection.
On
Enable HDMI-CEC feature
Off
Disable HDMI-CEC feature

One Touch Play:
When you press POWER button on RC to turn on this player, the TV (if the TV supports one-touch play) automatically turns on and switches to the video-in channel. Disc play starts if there is a disc in this player.
On
Enable one touch play feature
Off

Disable one touch play feature

One Touch Standby
When you press and hold POWER button on RC, all the connected HDMI CEC devices (if the device supports one-touch standby) switch to standby mode.
On
Enable one touch standby feature
Off
Disable one touch standby feature

Note:
If no display appears on the TV screen due to unsupported resolution, reconnect any available interlace video output to your display and re-adjust the resolution settings to 480p/576p.

Preference Setup Page
Notes:
You can't set TV type until HDMI is setted to off.

TV Type
Pal
Select this when the unit is connected to a PAL TV.
Auto
Select this when the unit is connected to a Multi TV.
Ntsc
Select this when the unit is connected to an NTSC TV.

PBC
Turn on or off the content menu of VCD/SVCD with PBC (playback control) feature.
On
Display index menu when you load a disc for playback.
Off
Skip the menu and start play from the first title.

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

Parental

Playback of some DVD discs can be limited depending on the age of the users. The parental control system allows the playback limitation level to be set by the parent.
Note:
- The lower the level, the stricter the limitation.
- If the rating of the loaded DVD disc is higher than the level you set, the system will requirea password. Enter your password and press the ENTER button to start playback.
1 Select the desired parental control level from the menu, then press ENTER button.
2 You will be prompted to enter your password. Use the 0-9 buttons to enter 000000 (or your privacy password if already established).
- No need to enter a password if "Password Mode" is set to OFF.

Password
Password Mode
You can temporarily unlock discs for playback according to the level.
To change this setting, select On or Off, enter your password, and press the ENTER button.
On
You need a password to change the level of parental control.

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

You can set a new password for parental control.
The default password is 000000.
1 Select "Change" and press the ENTER button.
2 Enter 000000 (or your privacy password) using the 0-9 buttons.
3 Enter a new password.
4 Enter the same password again to confirm.
5 Press ENTER button.
Note:
you will need your password to change the level of control in the future as well as to temporarily unlock discs for playback.
If you forget your password, use 000000.

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

Listening to the FM Radio

Tuning in a Station

1 Ensure that you have connected and fully extended the FM antenna.
2 Press the TUNER button to select the TUNER source.
3 Press the ◄◄/►► buttons, the frequency changes down or up automatically until a station is found. Or press ▲/▼ buttons repeatedly until you find the station you want.

Note:

- You can press ►❙❙PLAY button on front panel to search stations or press and hold ►❙❙ button on the remote control to change grid.
- The unit will automatically switch the Stereo or MONO channel to receive the FM radio mode, it can get the best effect.

Presetting Stations

You can preset up to 20 FM stations.

● **Program radio stations automatically**

Press and hold the PROG button for 2 seconds to activate automatic programming. All available stations are programmed in the order of waveband reception strength.

- The first programed radio station is played automatically.

● **Program radio stations manually**

1 Tune in the desired station, then press the PROG button.
2 Press the 0~9, ❙◄◄ or ►►❙ buttons to select the preset number.
    - 0~9 Select the preset number directly
    - ❙◄◄ Decreases the preset number by 1
    - ►►❙ Increases the preset number by 1
3 Press the PROG button to store the station.
4 Repeat above steps 1 to 3 for each station you want to store in memory with a preset number.
5 Press and hold the ■ button to erase the memory radio stations.

Note:

If the system is unplugged or if a power failure occurs, the preset stations will not be erased.

Tune to a preset radio station

Press the ❙◄◄ or ►►❙ buttons to select a preset number that you want.

Note:

You can also use the numerical keypad to select a preset station directly.

RDS Timer Sync

When a RDS station is found, time of the unit will get out of sync with the RDS time.

Show RDS information

RDS (Radio Data System) is a service that allows FM stations to show additional information. If you tune to a RDS station, RDS and the station name are displayed.

1 Tune to a RDS station.
2 Press the MENU button repeatedly to scroll through the following information (if available):
    - Station name .
    - Program type such as [NEWS] (news), [SPORT] (sport), [POP M] (pop music)...
    - Frequency
    - RDS Clock

Other features

Set the Clock

In standby mode, press and hold CLOCK button to activate clock setup

- **Hour digits begin to blink**
    Use ▲/▼ button to set hour, then press CLOCK again.
- **Minute digits begin to blink**
    Use ▲/▼ button to set minute then press CLOCK to confirm clock settings.

Note:

You can synchronize this unit's clock with RDS station and iPad/iPhone/iPod.

In standby mode, press and hold SETUP button. "CLOCK SYNC MENU" scrolls on VFD, followed by a sync mode for selection

Use ▲/▼ to select a clock synchronization mode and ENTER to confirm selection

  RDS:
  sync clock with tuned RDS station automatically(if RDS signal include time data)
  iPod:
  sync clock with connected iPad/iPhone/iPhone automatically
  OFF:
  Use default clock setting.

Set the alarm timer

In standby mode, you can use the daily timer setting to turn the unit on automatically at a certain time everyday under standby mode. However the clock must be set correctly for the timer function to work.

1 In standby mode, press and hold the TIMER button, hour indicator will blink.
2 Set the hour with the ▲ button or ▼ button.
3 Press the ENTER or TIMER button, minute indicator will blink.
4 Set the minute with the ▲ button or ▼ button.

5   Press the ENTER or TIMER button or ENTER button, the selected time is set.
6   Set the daily timer to "ON" (daily timer set is in effect) or "OFF" (daily timer set is to cancel) with the ▲ button or ▼ button.

Note:
*   The operating time of every step shouldn't be longer than 15 seconds or it will return to time display.
*   The sound source of the "timer on" mode is the same as the sound source when the unit was turned off by the standby switch.

•   **To confirm the daily time**
    Press the TIMER button in standby mode, the daily time is displayed. Wait for a second until the display returns to the time display.

•   **To cancel the daily timer setting**
    In standby mode, repeatedly press the TIMER button until the "ON" will display, then you can set the daily timer to "OFF" by pressing the ▲ button or ▼ button (the daily timer will be cancelled).
    Turning off the system also cancels the daily timer.

Set the sleep timer

Use the sleep timer to turn the system off after a certain number of minutes when in play mode. By setting the sleep timer, you can fall asleep to music and know that your system will turn off by it self rather than play all night.

1   Play a disc or tune in to the desired station.
2   To set the sleep timer by press the SLEEP button repeatedly, it changes the number of minutes shown on the display in this sequence:

120 ➔ 90 ➔ 60 ➔ 30 ➔ 15 ➔ 10 ➔ 00

After setting the number of minutes for the sleep timer, the display will return to the display as before setting the sleep timer.
The system is now set to turn off after the number of minutes you set.

•   **To confirm the sleep time**
    When the SLEEP button is pressed once, the remaining sleep time is displayed. Wait for a second until the display returns to the original display.

•   **To cancel the sleep timer setting**
    Repeatedly press the SLEEP button until the "00" is displayed.
    Turning off the system also cancels the sleep timer.

Troubleshooting

To keep the warranty valid, never try to repair the system yourself. If you encounter problems when using this unit, check the following points before requesting service.

No power
-   Ensure that the AC cord of the apparatus is connected properly.
-   Ensure that there is power at the AC outlet.
-   Press standby button to turn the unit on.

No disc detected
-   Check if the disc is inserted upside down.
-   Wait until the moisture condensation at the lens has cleared.
-   Replace or clean the disc.
-   Use a finalized CD or correct format disc.

Remote control does not work
-   Before you press any function button, first select the correct source.
-   Reduce the distance between the remote control and the unit.
-   Insert the battery with its polarities (+/-) aligned as indicated.
-   Replace the battery.
-   Aim the remote control directly at the sensor on the front of the unit.

Disc does not play
-   Insert a readable disc and ensure that the label side faces up.
-   Check the disc type, color system and regional code. Check for any scratches or smudges on the disc.
-   Press MENU to exit the system setup menu.
-   Disable the password for parental control or change the rating level.
-   Moisture has condensed inside the system. Remove the disc and leave the system turned on for about an hour. Disconnect and reconnect the AC power plug, and then turn on the system again.

Poor radio reception
-   Increase the distance between the unit and your TV or VCR.
-   Fully extend the FM antenna.
-   Connect an outdoor FM antenna instead.

Audio or subtitle languages cannot be set
-   The disc is not recorded with sound or subtitles in multiple languages.
-   The audio or subtitle language setting is prohibited on the disc.

Cannot display some files in USB device
- The number of folders or files in the USB device has exceeded a certain limit. This phenomenon is not a malfunction.
- The formats of these files are not supported.

USB device not supported
- The USB device is incompatible with the unit. Try another one.

Timer does not work
- Set the clock correctly.
- Switch on the timer.

Clock/timer setting erased
- Power has been interrupted or the power cord has been disconnected.
- Reset the clock/timer.

Can't operate
- This unit contains a microcomputer for signal processing and control functions. In very rare situations, severe interference, noise from an external source, or static electricity may cause it to lockup. In the unlikely even that this should happen, unplug the power cord from the wall outlet, wait at least 5 seconds, and then plug it back in again.

Using iPhone to play music
- While the iPhone is playing the music throught the docking, there may be a chance that the iPhone may not be under a good reception mode to get the incoming call signal.

Specifications

General
Power requirements .... AC 120V~ 60Hz
Power consumption...30W
Output power..50W x 2
Total harmonic distortion ....
...............................2%(Rated power), <1%(1kHz, 1W)
Audio input sensitivity....................................... 500mV
Frequency response................20Hz - 20kHz(+ / -3dB)
Tuning range......................................87.5 - 108.0MHz
USB Output.......................................5.0V ⎓, 500mA
Docking Output...............................5.0V ⎓, 2100mA
Dimensions (W x H x D)
Main unit....................................12"W X 7 3/4"D X 3"H
Speaker ....7"W x 8"D x 10 1/4"H

Speaker
   Impedance...6Ω
   Rated power 50W

Remote Control
   Distance...6m
   Angle...30°

Standard Accessories

FM antenna ....x 1
AC Power cord ....x 1
Batteries ....x 2
Remote Control ....x 1
Video Cable...x 1
Owner's manual ....x 1

- Design and specifications are subject to change without notice.