XD123_63-A0U_ENG_SL_0133 6/26/08 2:41 PM Page 1 XD123_63_ENG_SL_MFL41600133



Model: XD123 (XD123-A/D/X0U, XDS123V, XDS123W) XD63 (XD63-A/D/X0U, XDS63V)





P/NO : MFL41600133

Safety Precaution



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.

This 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 product.

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

WARNING: Do not install this equipment in a confined space such as a book case or similar unit.

CAUTION: Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over heating. The openings should be never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction has been adhered to.



CAUTION: This product employs a Laser System.

To ensure proper use of this product, please read this owner's manual carefully and retain it for future reference. Should the unit require maintenance, contact an authorized service center.

Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure. Visible laser radiation when open. DO NOT STARE INTO BEAM.

CAUTION: The apparatus should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.

CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit; That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service center.

Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

Types of Playable Discs

Туре	Logo
DVD-VIDEO: Discs such as movies that can be purchased or rented.	
DVD-R: Video mode and finalized only	
DVD-RW: Video mode and finalized only	
DVD+R: Video mode only Supports the double layer disc also	RW
DVD+RW: Video mode only	RW DVD+ReWriteble
Audio CD:	

In addition, this unit can play a DVD±R/RW and CD-R or CD-RW that contains audio titles, MP3, WMA, JPEG files.

Depending on the conditions of the recording equipment or the CD-R/RW (or DVD \pm R/RW) disc itself, some CD-R/RW (or DVD \pm R/RW) discs may not be played on the unit due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software. The disc will not play if it has not been correctly finalized. Player does not support these kinds of discs.

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

About the **W** Symbol Display

" **W** " may appear on your TV display during operation and indicates that the function explained in this owner's manual is not available on that specific DVD video disc.

Regional code

This unit has a regional code printed on the rear of the unit. This unit can play only DVD discs labeled same as the rear of the unit or "ALL".

- Most DVD discs have a globe with one or more numbers in it clearly visible on the cover. This number must match your unit's regional code or the disc cannot play.
- If you try to play a DVD with a different regional code from your player, the message "Check Regional Code" appears on the TV screen.

Copyrights

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public, or rent copyrighted material without permission. This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When recording and playing the pictures of these discs picture noise will appear. 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.

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

DVD Micro Hi-Fi System I USER GUIDE

Welcome to your new DVD Micro Hi-Fi System

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player

Power Save Mode

You can set up the unit into an economic power save mode. In power-on status, press and hold $(\underline{0})/I$ (POWER) button for about 3 seconds.

- Nothing is displayed in the display window when the unit is turned off. To cancel, press || / | (POWER), CLOCK, TIMER or USBRec./DEMO.

4

Setting up

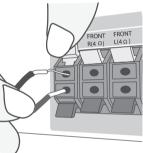
Attaching the speakers to the unit

Connect the wires to the unit.

Match each wire's coloured band to the same coloured connection terminal on the reverse of the unit.

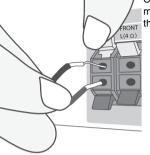
To connect the cable to the unit, press each plastic finger pad to open the connection terminal. Insert the wire and release the finger pad The connector will open ready to receive a cable.

XD123 MODEL



Connect the red end of each wire to the terminals marked +(plus) and the black end to the terminals marked - (minus).

XD63 MODEL



/ Connect the red end of each wire to the terminals marked +(plus) and the black end to the terminals marked - (minus).

COLOUR	SPEAKER	POSITION
Red	Front	In front of you, to the right of the screen
White	Front	In front of you, to the left of the screen

COLOUR	SPEAKER	POSITION	
Orange	Sub Woofer	Behind you and to your right	
Red	Front	In front of you, to the right of the screen.	
White	Front	In front of you, to the left of the screen.	

Be careful of the following

• Be careful to make sure children not to put their hands or any objects into the speaker duct.

• Speaker duct : A hall for plentiful bass sound on speaker cabinet (enclosure).

Remote control Operation

Point the Remote Control at the remote sensor and press the buttons.

Remote control Battery Installation

Detach the battery cover on the rear of the remote control, and insert two R03 (size AAA) batteries with \oplus and \ominus aligned correctly. Do not mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.).

DVD Micro Hi-Fi System USER GUIDE

Main unit

POWER

You can set up the unit into an economic power save mode. In the power-on status, press and hold \bigcirc/I (POWER) for about 3 seconds. To cancel power save mode, press \bigcirc/I (POWER).

FUNC. To select the Functions press FUNC.. (DVD/CD \rightarrow USB \rightarrow TV-- AUDIO (Optional) \rightarrow PORTABLE \rightarrow TAPE \rightarrow FM \rightarrow AM)

USB Rec. /DEMO

USB Record (Page 20)/TAPE Record (Page18) Press **DEMO** in power off state to demonstrate the function on display window. To cancel it, press **(b)** or **USB Rec./ DEMO** again.

USB connector

Connect a remote USB compatible player here.

MIC1/MIC2 Connect the microphone - Optional (Ø3.5 mm)

PUSH EJECT- TAPE



Display window

• TIMER

• CLOCK

• SET confirms the time you have selected when setting the clock.

CDII CD PAUSE

- RDS (OPTIONAL) shows information about radio stations. (see listening to the radio)

- CD SYNC. CD to Tape Synchronized Recording

- **REVERSE MODE** Scroll through a selection of cassette playing options.

▲ OPEN/CLOSE

VOLUME Adjustment

Moves the volume control knob with your finger to right or left . • **TUN.(-/+)** - AUTO TUNING -TUNER/ REWIND or FAST FORWARD (I≪ or ▷►)) -TAPE/ SKIP or

SCAN (I← or ►►I) buttons -CD FORWARD / REVERSE PLAY (►) -TAPE ► PLAY or X1.5 play- CD (Page 14)

- STOP button
- STOP button

XDSS Plus (MP3 Optimizer)

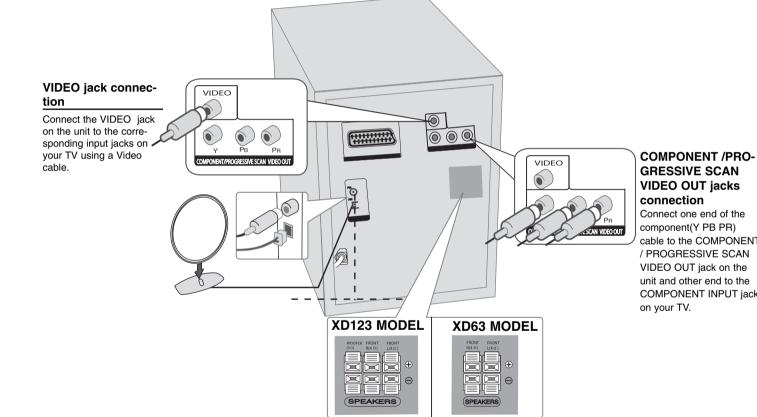
Reinforce the treble, bass and surround effect,XDSS ON will show in the display,press again for NORMAL (Page 13)

PORT. IN .For connecting a portable device and playing it through the system's speaker

Headphone jack

Connect a headphone plug (\emptyset 3.5 mm) into the jack to listen to the sound through headphones (not supplied).

Hooking up the unit - I VIDEO OUT / COMPONENT /PROGRESSIVE SCAN VIDEO OUT

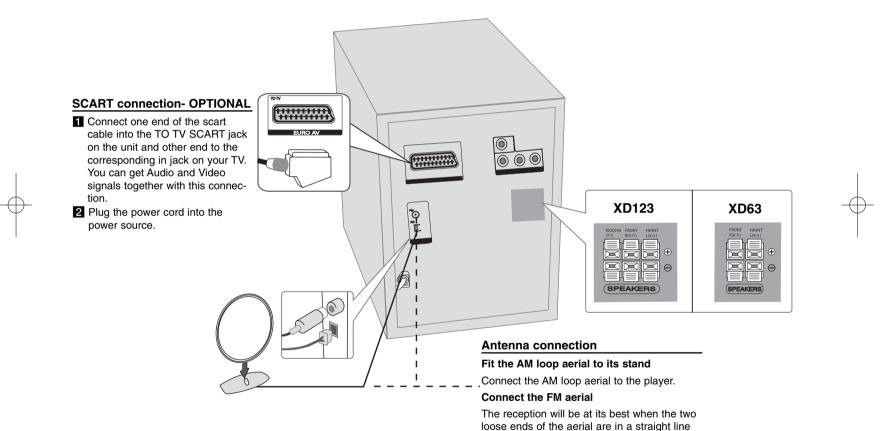


cable to the COMPONENT / PROGRESSIVE SCAN

unit and other end to the COMPONENT INPUT jack

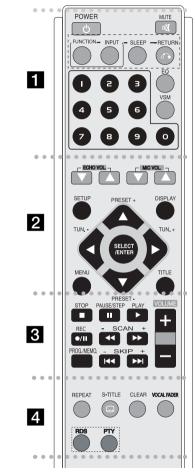
DVD Micro Hi-Fi System USER GUIDE

Hooking up the unit -II (Optional)



and horizontal.

Remote control



••••••

POWER: Switches the unit ON or OFF. **MUTE :** Press MUTE to mute your unit. You can mute your

unit in order, for example, to answer the telephone. **FUNCTION** : (DVD/CD \rightarrow TAPE \rightarrow FM \rightarrow AM)

INPUT : Changes the input source (USB, TV-- AUDIO (optional). PORTABLE)

SLEEP: You can set the unit to turn off automatically at a specified time.

- **DIMMER** Dims the LED (Light-emitting diode) of front panel by half in power-on status.

RETURN (5): Press to move back wards in the menu.

EQ (EQUALIZER Effect) : You can choose 7 fixed sound impressions.(page 13)

VSM : Press VSM to set the VIRTUAL sound.(page 13) 0-9 numerical buttons: Selects numbered options in a menu.

MIC VOL. (∇ / Δ) - optional : Adjusts microphone volume.

SETUP : Accesses or removes setup menu

MENU : Accesses the menu on a DVD disc.

DISPLAY: Accesses On-Screen Display.

TITLE : If the current DVD title has a menu, the title menu appears on the screen. Otherwise, the disc menu may appear.

 $\dot{\bullet}$ / \bullet / \bullet (left/right/up/down):Used to navigate onscreen displays.

SELECT/ENTER : Acknowledges menu selection. PRESET (-/+) (▼/▲) : Selects programme of Radio. TUN.(-/+) (◀/►): Tunes in the desired radio station.

PLAY (►): Starts playback.

- Tape reverse playback press (>>) once again.

- 1.5 speed playback

The 1.5 speed allows you to watch the pictures and listen to the sound quicker than playing at a normal speed on the disc. (page 14)

- MONO/STEREO FM mode state,selects MONO or STEREO by pressing PLAY (►) button.

STOP (■): Stops playback or recording.

PAUSE/STEP(II): Pause playback or recording temporarily. REC (●/II): USB DIRECT RECORDING /TAPE RECORD You can record one desired file or all of the music files in AUDIO CD to USB -(page 20).or Records from a CD or radio to cassette.- (page 18)

- SCAN (-/+) (<) : Search backward or forward.

- SKIP (-/+) (I > / >>>): Go to next or previous chapter/ track/Title.

PROG./MEMO.: Accesses or removes Program menu. **VOLUME (+/-)**: Adjusts speaker volume.

. 🛛

REPEAT : Repeats a Chapter/ Track/ Title all. **S-TITLE:** During playback,S - TITLE repeatedly to select a desired subtitle language .

CLEAR: Removes a track number on the Program List.

VOCAL FADER: You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. MP3/WMA/CD/DD etc. except for Karaoke mode. (Page13)

RDS:(optional) Radio display mode

PTY: (optional) Views the various displays of the RDS.

DVD Micro Hi-Fi System USER GUIDE

OSD Initial language settings (Optional)

After factory setting ,this beginning menu language will only be displayed at DVD or USB mode if you turn on the power at the first time .

	ON PLAYER	ON REMOTE
1. Turn the power on:	୦/୮	ு POWER
Appear the language list display win- dow		
2. Select the language :		▲▼⋖►
3. Press :		SELECT/ENTER
4.To confirm press :		SELECT/ENTER

Initial Setting the Area Code (Optional)

After factory setting ,To set the Area code you have to as below.

		ON REMOTE
1.	Display setup menu:	SETUP
2.	Select LOCK menu on the first level:	▲▼
3.	Move to second level: Appears the activated Area code on the second level.	►
4.	Move to third level:	▶
5.	Enter the new pass word and then, press	Numerical button of 0~ 9 then, SELECT/ENTER
6.	Recheck entered new pass word and then, press	Numerical button of 0~ 9 then, SELECT/ENTER
7.	Select a code for a geographic area: After select,Rating and Password will be activated.(page21)	AV<>

Adjust the settings

	ON REMOTE
1. Display setup menu:	SETUP
2. Select a desired option on the first level:	▲▼
3. Move to second level:	•
4. Select a desired option on the second level:	AV
5. Move to third level:	•
6.Change the setting:	▲ ▼ and SELECT/ENTER

Adjust the settings - more you can do

Adjust the language settings

OSD– Select a language for the Setup menu and on-screen display.

 $\mbox{Disc Audio/Subtitle/Disc Menu}$ – Select a language for the Menu/Audio/Subtitle.

[Original]: Refers to the original language in which the disc was recorded. [Others]: To select another language, press number buttons then SELECT/ENTER to enter the corresponding 4-digit number according to the language code list in the reference chapter.

If you make a mistake while entering number, press CLEAR to delete numbers then correct it.

[OFF] (for Disc Subtitle): Turn off Subtitle.

Adjust the display settings

TV Aspect – Select which screen aspect to use based on the shape of your TV screen.

[4:3]: Select when a standard 4:3 TV is connected.

[16:9]: Select when a 16:9 wide TV is connected.

Display Mode – If you selected 4:3, you'll need to define how you would like widescreen programs and films to be displayed on your TV screen.

[Letterbox]: This displays a widescreen picture with black bands at the top and bottom of the screen.

[Panscan]: This fills the entire 4:3 screen, cropping the picture as necessary.

TV Output Select (Optional)– Select an option according to the TV connection type. [YPbPr]: When your TV is connected with the COMPONENT/PROGRES-SIVE SCAN jacks on the unit.

[RGB]: When your TV is connected with the SCART jack. - When connected by RGB, COMPONENT OUT not operate.

Progressive Scan-

Progressive Scan Video provides the high quality pictures with less flickering. If you are using the Component Video jacks for connection to a TV or monitor that is compatible with a progressive scan signal, set [Progressive Scan] to [On]. Press SELECT/ENTER to comfirm your selection

- If you not press ENTER within 10 seconds it will be [OFF].

Adjust the audio settings

DRC (Dynamic Range Control) – Make the sound clear when the volume is turned down (Dolby Digital only). Set to [On] for this effect.

Vocal – Select [On] to mix karaoke channels into normal stereo. This function is effective for multi-channel karaoke DVDs only.

Adjust the lock settings

To access the lock options, you must enter the 4-digit password. If you have not yet entered a password you are prompted to do so. Enter a 4-digit password. Enter it again to verify. If you make a mistake while entering number, press CLEAR to delete numbers then correct it.

If you forget your password you can reset it. Press SETUP and Input '210499'. The password has now been cleared.

Rating – Select a rating level. The lower the level, the stricter the rating. Select [UNLOCK] to deactivate the rating.

Password - Sets or changes the password for lock settings.

[New]: Enter a new 4-digits password using the numerical buttons then press SELECT/ENTER. Enter the password again to confirm.

[Change]: Enter the new password twice after entering the current password.

Area code – Select a code for a geographic area as the playback rating level. This determines which area's standards are used to rate DVDs controlled by the parental lock. See the Area Codes on page 21.

Adjust the others settings

PBC (Playback Control) – Playback control provides special navigation features that are available on some disc. Select [On] to use this feature.

DivX (R) Registration - We provide you with the DivX® VOD (Video On Demand) registration code that allows you to rent and purchase videos using the DivX® VOD service.

For more information, visit www.divx.com/vod.

Press SELECT/ENTER when [Select] icon is highlighted and you can view the registration code of the unit.

Semi Karaoke (Optional)- When a chapter/ title / track is fully finished, this function shows the score in the screen with a fanfare sound.

• Semi Karaoke on : Turn the "Semi Karaoke" function on.

When you finished singing a score will appear on the screen.

• Semi Karaoke off : Turn the "Semi Karaoke" function off. Fanfare and score do not appears on the screen

Available discs for the Semi Karaoke function:

- DVD, DVD Karaoke, discs with more than 2 tracks
- This function operate on the DVD/CD mode.
- The Semi Karaoke function is available only when a microphone is connected.

- When you watching movies, "off " the Semi Karaoke at the SETUP menu and enjoy it without connecting the MIC if the fanfare or score appears during changing a chapter.

Bit Rate - Select Bit Rate signal speed 96kbps or 128kbps (Rec. Bit rate)

DVD Micro Hi-Fi System USER GUIDE

Displaying Disc Information

	ON REMOTE
1. Press :	DISPLAY
2. Select a item :	AV
3. Adjust the Display menu settings :	▲ ►
4. To return the exit :	DISPLAY

Displaying Disc Information - more you can do

You can select an item by pressing $\blacktriangle \nabla$ and change or select the setting by pressing $\blacktriangleleft \triangleright$.



Current title (or track) number/total number of titles (or tracks) Current chapter number/total number of chapters Elapsed playing time Selected audio language or channel Selected subtitle

Selected angle/total number of angles

ALL

DVD

DivX

Selected Sound mode

Symbol Used in this Manual

All discs and file listed below DVD and finalized DVD±R/RW DivX files

MP3 files	MP3
WMA files	WMA
Audio CDs	ACD

Setting the Clock

	ON PLAYER	ON REMOTE
1. Turn the power on:	୦/୮	ပ် POWER
2. Press for at least 2 seconds:	CLOCK	
3. Choose from either: AM 12:00 (for an am and pm display) or 0:00 (for a 24 hour display)	Heen PPI	
4. Confirm your selection:	SET	
5. Select the hours:	Hellor Del	
6. Press:	SET	
7. Select the minutes:	Hellor 🗪	
8. Press:	SET	

Use your player as an alarm clock

Press and hold **TIMER** for two seconds. Each function, DVD/CD,USB TAPE,TUNER flashes for two seconds. Press **SET** when the function you want to be woken by is showing.

If you choose TUNER, "PLAY" and "REC" flashes in the display window alternately. Choose one of them by pressing the **SET** and then, select the preset using **I** or **I** and press **SET**.

If you choose DVD/CD,USB or TAPE you will be shown below.

You will be shown the "ON TIME" display. This is where you set the time you want the alarm to go off. Use I≪or ►► to change the hours and minutes and SET to save. You will then be shown the "OFF TIME" display. This is where you set the time you want the function to stop. Use I≪or ►► to change the hours and minutes and press SET to save.

Next you will be shown the volume (VOL) you want to be woken by. Use I≪or ►► to change the volume and SET to save. Switch the system off. The clock icon"^(C)" shows that the alarm is set.

When the system is turned off you can check the time the alarm is set for by pressing **TIMER**. You can also turn the alarm on and off by pressing **TIMER**. To set the alarm to go off at a different time, switch the system on and reprogramme following the same steps as initially.

Fall asleep while listening to your player

You can set the unit to turn off automatically at a specified time. Each time you press SLEEP the setting changes in the following order. (DIMMER ON) \rightarrow SLEEP 180 \rightarrow 150 \rightarrow 120 \rightarrow 90 \rightarrow 80 \rightarrow 70 \rightarrow 60 \rightarrow 50 \rightarrow 40 \rightarrow 30 \rightarrow 20 \rightarrow 10 \rightarrow (DIMMER OFF)

DIMMER

Press SLEEP once. The LED (Light-emitting diode) of front panel is turned off and the display window will be darken by half. To cancel it, press SLEEP repeatly until dim off.

Setting the sound mode

XDSS Plus (Extreme Dynamic Sound System)

Press **XDSS Plus** to reinforce treble, bass and the surround effect. The "XDSS ON" or "NORMAL" indicator lights.

This function optimizes for compressed MP3 files

DVD DivX (ACD) : XDSS ON ↔ NORMAL

(WMA) (MP3) : XDSS ON \rightarrow MP3 -- OPT ON \rightarrow NORMAL \rightarrow XDSS ON .

EQ (EQUALIZER Effect)

You can choose 7 fixed sound impressions.

Each time you press the button the setting changes in the display window as shown below. (AUTO EQ operates only in the MP3/ WMA files which include the Tag information.)

 $\begin{array}{l} \mathsf{NATURAL} \rightarrow (\mathsf{AUTO} \ \mathsf{EQ} \) \rightarrow \mathsf{POP} \rightarrow \mathsf{CLASSIC} \rightarrow \\ \mathsf{ROCK} \ \rightarrow \ \mathsf{JAZZ} \rightarrow \mathsf{NORMAL}. \end{array}$

Note

- When you connect a headphone to set with one of the EQ modes chosen, the EQ button does not work.
- When you connect a headphone with 'regional EQ' chosen, the mode changes into 'NORMAL'. It returns to regional EQ when you disconnect the headphone.

VSM (VIRTUAL SOUND MATRIX)

Press **VSM** to set the virtual sound or to change sound mode repeatly. - When you press the Rec button during VSM, appointed sound mode return to BYPASS.

• 2.1Ch source : 3D STEREO

Realtime 3D positioned sound rendering technology with stereo sources, optimized for stereo speakers. Listeners may experience amazing virtual surround effects with their own multimedia players.

BYPASS \rightarrow VIRTUAL \rightarrow ON STAGE

Note

When you connect a headphone with 'VSM' chosen, the mode changes into 'BYPASS'. It returns to VSM when you disconnect the headphone.

• 5.1Ch source : Virtual surround

A patent pending downmix technology converts 5.1 channel to 2 channel sound having directional information of audio.

VOCAL FADER

You can enjoy the function as karaoke, by reducing singer vocal of music in the various source. (MP3/WMA/CD/ DTS/DD etc.) except for Karaoke mode.

- This function available to use only when a microphone is connected. Press VOCAL FADER button then you can see "FADE ON"or "FADE OFF" on the front display.
- This function supports for 2 channel or more.

Using Microphone

You can sing to a music source by connecting a microphone to the unit. Connect your microphone to the MIC1/ MIC 2 Jacks.

- " 🖋 " will be shown in the display window.
- Play the music you want.

Sing along with the accompaniment.

Adjust the microphone volume by pressing MIC volume button. (MIN,1 - 14, MAX steps)

Note:

- When not using the microphone, set the MIC VOL. volume button to minimum or turn off the MICs and remove the microphone from the MIC Jacks.
- If the microphone is set too near the speaker, a howling sound may be produced. In this case, move the microphone away from the speaker or decrease the sound level by using the MIC VOL. volume button.
- If sound through the microphone is extremely loud, it may be distorted. In this case, press the MIC VOL. volume button toward minimum.

DVD Micro Hi-Fi System USER GUIDE

Plaving a Disc

	ON PLAYER	ON REMOTE	
1. Open the disc tray:			
2. Insert a disc:			
3. Close the disc tray:	▲		
4. To Start playback:	▶	•	
5. To stop playback:		STOP	

Playing a Disc - more you can do

Playing a DVD that has a menu **DVD**

Most DVD now have menus which load first before the film begins to play. You can navigate these menus using $A \nabla \blacktriangleleft b$ to highlight an option. Press **SELECT/ENTER** to select.

Skip to the next/previous chapter/track

Press SKIP (►►I) to move to the next chapter/track. Press SKIP (I◄◄) to return to the beginning of the current chapter/track. Press SKIP (I◄◄) twice briefly to step back to the previous chapter/track.

Pause a playback

Press **PAUSE/STEP (II)** to pause playback. Press **PLAY (**) to continue playback.

Frame-by-Frame playback **DVD DivX**

Press PAUSE/STEP (II) repeatedly to play Frame-by-Frame playback.

Playing repeatedly

Press **REPEAT** repeatedly to select an item to be repeated. The current title, chapter or track will be played back repeatedly. To return to normal playback, press **REPEAT** repeatedly to select [Off].

DivX : Track \rightarrow All \rightarrow Off

- **ACD WMA MP3** :TRACK \rightarrow ALL \rightarrow [OFF No display]
- **DVD** :Chapter \rightarrow Title \rightarrow Off

Selecting a subtitle language **DVD DivX**

During playback, press S-TITLE () repeatedly to select a desired subtitle language.

Fast forward or fast reverseDVDDivXACDWMAMP3

Press SCAN (◀◀ or ►►) to play fast forward or fast reverse during playback. You can change the various playback speed by pressing SCAN (◀◀ or ►►) repeatedly. Press PLAY (►) to continue play at normal speed.

Watch and listen 1.5 times faster **DVD ACD WMA MP3**

Press PLAY when a disc is already playing to watch and listen to a DVD 1.5 times faster than normal playback speed. \blacktriangleright x1.5 will appear on the screen. Press PLAY again to return to normal playback speed.

Slow down the playing speed **DVD**

While playback is paused, press **SCAN** (►►) to slow down forward playback. You can change the various playback speed by pressing **SCAN** (►►) repeatedly. Press **PLAY** (►) to continue play at normal speed. DVD disc can operate Slow down Forward/ Reverse playback only.

Viewing the title menu **DVD**

Press TITLE to display the disc's title menu, if available.

Viewing the DVD menu OVD

Press **MENU** to display the disc menu, if available.

Starting play from selected time **DVD DivX**

Searches for the starting point of entered time code. Press **DISPLAY** then select clock icon. Enter a time then press **SELECT/ENTER**. For example, to find a scene at 1 hours, 10 minutes, and 20 seconds, enter "11020" and press **SELECT/ENTER**. If you enter the wrong number, press **CLEAR** to enter again.

Last Scene Memory DVD

This unit memorizes last scene from the last disc that is viewed. The last scene remains in memory even if you remove the disc from the player or switch off the unit. If you load a disc that has the scene memorized, the scene is automatically recalled.

Screen Saver

The screen saver appears when you leave the unit in Stop mode for about five minutes.

System Select

You must select the appropriate system mode for your TV system. Remove any disc that might be in the unit, press and hold **PAUSE/STEP (II)** for more than five seconds to be able to select a system (PAL, NTSC, AUTO).

Mixed disc or USB Flash Drive - DivX, MP3/WMA and JPEG

When playing a disc or USB Flash Drive contained with DivX, MP3/WMA and JPEG files together, you can select which menu of files you would like to play by pressing **TITLE**.

Playing a DivX movie file - more you can do

Changing the character set to clisplay DivX[®] subtitle correctly

If the subtitle dose not display properly, press and hold S-TITLE button about 3seconds to display the language code menu and then, press S-TITLE button repeatly to change the language code until the subtitle is displayed properly.

DivX disc compatibility with this player is limited as follows:

• Available resolution size of the DivX file is under 800x600 (W x H) pixel.

- The file name of the DivX subtitle is available by 45 characters.
- If there is impossible code to express in the DivX file, it may be displayed as
 " _ " mark on the display.
- If the number of the screen frame is over 30 per 1 second, this unit may not operate normally.
- If the video and audio structure of recorded files are not interleaved, either video or audio is outputted.

Playable DivX file : ".avi ", ".mpg ", ".mpeg ", ".divx"

Playable Subtitle format : SubRip(*.srt/*.txt) ,SAMI(*.srni), SubStation Alpha(*.ssa/*.txt) MicroDVD(*.sub/*.txt) SubViewer 2.0(*.sub/*.txt) VobSub(*.sub)

Playable Codec format : "DIVX3.xx ", "DIVX4.xx ", "DIVX5.xx ", "MP43 ", "3IVX ".

Playable Audio format: "AC3 ", "PCM ", "MP3 ", "WMA ".

- Sampling frequency: within 32 48 kHz (MP3), within 32 48kHz (WMA)
- Bit rate: within 32 320kbps (MP3), 40 192kbps (WMA)

Playing a DivX movie file

	ON PLAYER	ON REMOTE
1. Open the disc tray:		
2. Insert a Disc:	-	
3. Close the disc tray:		
4. Select a movie file from the menu:		▲ ▼
5. To Start playback:	►	SELECT/ENTER
6. To stop playback:		STOP

Listening to Audio CD, MP3 or WMAfiles

	ON PLAYER	ON REMOTE
1. Open the disc tray:		
2. Insert a Disc:	-	
3. Close the disc tray:	▲	
4. Select a music file from the menu:	୲⋖⋖⋗⋗୲	A V
5. To Start playback:	►	► PLAY
6. To stop playback:		STOP

DVD Micro Hi-Fi System USER GUIDE

Listening to Audio CD, MP3 or WMA files - more you can do

Creating your own program

You can play the contents of a disc in the order you want by arranging the order of the musics on the disc. The program is cleared when the disc is removed. Select a desired music then press PROG./MEMO. or select " μ +" and then press SELECT/ENTER to add the music to the program list. To add all music in the disc, select " μ +" and then press SELECT/ENTER. Select a music from the program list then press SELECT/ENTER to start programmed playback. To clear a music from the program list, select the music you want to clear then press CLEAR or select " μ *" icon and then press SELECT/ENTER. To clear all music from the program list, select " μ *" it hen press SELECT/ENTER. To clear all music from the program list, select the music select/ENTER. To clear all music from the program list, select " μ *" if then press SELECT/ENTER.

Displaying file information (ID3 TAG)

While playing a MP3 file containing file information, you can display the information by pressing DISPLAY repeatedly.

MP3 / WMA disc compatibility with this player is limited as follows:

- Sampling frequency: within 32 48 kHz (MP3), within 24 48kHz (WMA)
- Bit rate: within 32 320kbps (MP3), 40 192kbps (WMA)
- The unit cannot read an MP3/WMA file that has a file extension other than ".mp3" / ".wma".
- CD-R physical format should be ISO 9660
- If you record MP3 / WMA files using software that cannot create a file system (eg. Direct-CD) it is impossible to playback MP3 / WMA files.We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.
- File names should have a maximum of 8 letters and must incorporate an .mp3 or .wma extension.
- They should not contain special letters such as /? *: " <> I etc.
- The total number of files on the disc should be less than 999.

This unit requires discs and recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 or WMA files) and these require certain pre-existing conditions (see above) to ensure compatible playback.

Customers should note that permission is required in order to download MP3 / WMA files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.

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Viewing photo files

	ON PLAYER	ON REMOTE
1. Open the disc tray:	▲	
2. Insert a Disc:	-	
3. Close the disc tray:		
 Select a photo file on the menu: 		▲ ▼
5. Display the selected file in full screen:	►	SELECT/ENTER
6. To stop playback:		STOP

Viewing photo files - more you can do Viewing photo files as a slide show

Use $\blacktriangle \blacktriangledown \dashv \flat$ to highlight (\blacksquare) icon then press SELECT/ENTER to start slide show.

You can change slide show speed using $\blacktriangleleft \triangleright$ when (\blacksquare) icon is highlighted.

Skip to the next/previous photo

Press SKIP (I or ►►I) to view the previous/next photo.

Rotate a photo

Use $\blacktriangle \lor \blacklozenge \lor$ to rotate the photo in full screen.

Pause a slide show

Press PAUSE/STEP (II) to pause a slide show. Press PLAY to continue the slide show.

JPEG disc compatibility with this player is limited as follows:

- Depending upon the size and the number of JPEG files, it could take a long time for the this unit. to read the disc's contents. If you don't see an onscreen display after several minutes, some of the files may be too large reduce the resolution of the JPEG files to less than 2M pixels as 2760 x 2048 pixels and burn another disc.
- The total number of files and folders on the disc should be less than 999.
- Some discs may not operate due to a different recording format or the condition of disc.
- Ensure that all the selected files have the ".jpg" extensions when copying into the CD layout.
- If the files have ".jpe" or ".jpeg" extensions, please rename them as ".jpg" file.
- File names without ".jpg" extension will not be able to be read by this unit. Even though the files are shown as JPEG image files in Windows Explorer.

Listening to the rad		
	ON PLAYER	ON REMOTE
1. Select FM/ AM:	FUNC.	FUNCTION
2. Select the radio station:	TUN.(- / +)	TUN / TUN.+
3. To 'save' a radio station: A preset number will show in the display		PROG./MEMO.
4. To select a 'saved' station:		PRESET(+/-)
5. To confirm press: Up to 50 radio stations can be saved		PROG./MEMO.

Listening to the radio - more you can do

Look for radio stations automatically

Press **TUNING - /TUNING +** on the front panel (or press **TUN.- /TUN.+** on the remote control) for more than 0.5 second. The tuner will scan automatically and stop when it finds a radio station.

Delete all the saved stations

Press and hold **PROG./MEMO.** for two seconds. "ERASE ALL" shows. Press **PROG./MEMO.** to erase all the saved stations.

Choose a 'preset number' for a radio station

Select a station you want by pressing **TUNING -** /**TUNING +** on the front panel or **TUN.-** /**TUN.+** on the remote control. Press **PROG./MEMO.**, the station flashes. Press **PRESET (+/-)**on the remote control to select the preset number you want. Press **PROG./MEMO.** to save it.

Improve poor FM reception

Press **PLAY** ► on the remote control This will change the tuner from stereo to mono and usually improve the reception.

See information about your radio stations - OPTIONAL

The FM tuner is supplied with the Radio Data System (RDS) facility. This shows the letters RDS on the display, plus information about the radio station being listened to. Press **RDS** on the remote control several times to view the information.

PTY - Programme Type, such as News, Sport, Jazz.

RT - Radio Text, the name of the radio station.

CT - Time Control, the time at the location of the radio station.

PS - Programme Service name, the name of channel.

You can search the radio stations by programme type by pressing **RDS**. The display will show the last PTY in use. Press **PTY** one or more times to select your preferred programme type. Press and hold **I44>>1**. The tuner will search automatically. When a station is found the search will stop

Listening to cassette tapes

	ON PLAYER	ON REMOTE
1. Open the tape door:	≜ PUSH EJECT	
2. Insert the tape:		
3. Close the tape door:		
4. Select the TAPE function:	FUNC.	FUNCTION
5. Start the tape playing:	•	▶ or ▶ one more
6. To stop a tape playing:		STOP

Listen to cassette tapes - more you can do

Play Fast backward or Forward

After pressing $\bowtie \circ \rightarrow i$ ($\blacktriangleleft \circ \rightarrow i$ on the remote control) during playback, or stop, press $\triangleright \circ r \triangleright$ again on the remote at a point you want.

Auto Stop Deck :

After playing one side of the tape, the unit stop automatically.

Auto Reverse Deck :

You can select direction of the cassette you want by pressing the **REVERSE MODE** button repeatly.

Press **FUNC.** to select Tape .You can set the tape to play one side \rightleftharpoons , both sides \rightleftharpoons), or both sides six times (\rightleftharpoons), by pressing **REVERSE MODE** one or more times.

Tape Recording

Recording from Audio CD to cassette

	ON PLAYER	ON REMOTE		
1. Open the tape door:	PUSH EJECT			
2. Insert a blank tape:				
3. Close the tape door:				
4. Selects the (DVD/CD) mode	FUNC.	FUNCTION		
5 Press: Appears "USB REC"or "TAPE REC" on the display window	USB Rec.	●/II		
6. Selects "TAPE REC"	USBRec.	●/II		
7. To stop a Recording:		STOP		

Recording from other source to cassette

	ON PLAYER	ON REMOTE
1. Open the tape door:	PUSH EJECT	
2. Insert a blank tape:		
3. Selects the function (TUNER/PORTABLE/TV-AUDIO (Optional) /USB etc) :	FUNC.	FUNCTION or INPUT
 Press: "REC" will blink on the display window. 	USB Rec.	●/II
5. To Start the Recording:	USB Rec.	●/II
6. To pause a Recording:	USB Rec.	●/II
To stop a Recording:		STOP

CD Synchronized Recording							
	ON REMOTE						
1. Open the tape door:	PUSH EJECT						
2. Insert a blank tape:							
3. Select the DVD/CD function:	FUNCTION						
4. Start the Recording in the stop mode : The synchronized recording is started automatically after about 7 seconds.	CD SYNC						
5. To stop a Recording:		STOP					

			4. start selected file:
Listening to music fr portable player	om your		 5. Before disconnecting the portable USB player, change any other function by press 6. Remove : the USB player
	The player can b the music from m portable player.		Compatible USB Devices • Devices which require addition ed it to a computer, are not s • MP3 Player : Flash type MP3 The MP3 player requiring ins • USB Flash Drive : Devices the USB device requirement
1000	ON PLAYER	ON REMOTE	 Do not extract the USB dev A back up demands to preve
1. Connect the portable player by plugging the unit into PORT. IN on the side of the player:			 If you use a USB extension of recognized. A device using NTFS file system is supported.)
2. Turn the power on:	ሆ/	் POWER	The USB function of this unit
3. Select the PORTABLE function:	FUNC.	INPUT	 Digital camera and mobile pl This unit is not supported wh
4. Turn the portable player on and start it playing:			 If the drive of USB device is screen. If you want to move press RETURN.

Connecting your portable USB player

The advantage of connecting your portable USB player through the system's USB port is that the portable device can be controlled from the system. Connect the portable player to the system using a USB cable (not supplied).

	ON PLAYER	ON REMOTE
1. Select the USB function:	FUNC.	INPUT
 The display will show "SEARCHING", followed by the number of files displayed: 		
3. Select a Title MENU :		TITLE
4. start selected file:	▶	SELECT/ENTER
 Before disconnecting the portable USB player, change to any other function by pressing: 	FUNC.	FUNCTION or INPUT
6. Remove : the USB player		

- tional program installation when you have connectsupported.
- P3 player.
- nstallation of a driver is not supported.
- that support USB2.0 or USB1.1.

- evice in operating.
- vent a data damage.
- cable or USB hub, the USB device might not be
- stem is not supported. (Only FAT (16/32) file sys-
- nit does not support all USB devices.
- phone are not supported.
- when the total number of files is 1000 or more.
- s two or more, a drive folder is displayed on the to the previous menu after you select a folder,

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USB DIRECT RECORDING

Record AUDIO CD source to USB

This function enable you to record music to a connected USB storage device from Audio CD

	ON PLAYER	ON REMOTE
1. Select the DVD/CD mode:	FUNC.	FUNCTION
2. Select the track (file) :		
3. Press Appears "USB REC" or "TAPE REC" on the display win- dow.	USB Rec.	●/II
4. Selects "USB REC" :	USB Rec.	●/II
5. To stop a Recording:		STOP

USB Direct Recording - more you can do

Record AUDIO CD source to USB

One track recording : If the usb recording is played during playback of the cd, the only track would be recording into the USB

All track recording: If the usb REC button is pressed at the CD stop, all track would be recording.

Program list recording: USB Records after selecting the tracks pressing the PROG./MEMO. button if you want to record the track you want.

NOTES :

- When you start the USB direct recording ,you can check the Recording percentage rate for the USB record on the display window during the recording.
- During the recording is no sound and not operate for volume .
- When you stop recording during playback ,the file that has been recorded at that time will be stored
- If you disconnect the USB without STOP button while recording ,the file can not delete in the PC.
- It is impossible to record from " MIC IN"
- Playable USB REC. Bit rate : 96/128kbps (Refer to the SET UP page)
- During USB record can not operate Pause key for Audio CD only.
- Multicard reader device can not be use for USB record.
- USB port of the unit can not be connected to PC. The unit can not be used as a storage device.
- If the USB can not record appears "NO USB"."ERROR", "USB FULL" , "NO REC" on the display window.
- File will be stored to CD_REC folder in a format "TRK_001.mp3".
- In the state CD-G ,USB direct Recording is not operated.
- If you record more 999 files on CD_REC folder appears "ERROR" on the display.
- New files are numbered in numeric sequence. if the total number of the files are more than 999, delete some or store some in PC.
- External HDD,Card reader, Locked device and MP3 player is not supported.

The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes. Be responsible Respect copyrights

Language Codes

Use this list to input your desired language for the following initial settings: Disc Audio, Disc Subtitle, Disc Menu.

				• •							
Language	Code	Language	Code	Language	Code	Language	Code	Language	Code	Language	Code
Afar	6565	Croatian	7282	Hausa	7265	Lingala	7678	Quechua	8185	Tajik	8471
Afrikaans	6570	Czech	6783	Hebrew	7387	Lithuanian	7684	Rhaeto-Romance	8277	Tamil	8465
Albanian	8381	Danish	6865	Hindi	7273	Macedonian	7775	Rumanian	8279	Telugu	8469
Ameharic	6577	Dutch	7876	Hungarian	7285	Malagasy	7771	Russian	8285	Thai	8472
Arabic	6582	English	6978	Icelandic	7383	Malay	7783	Samoan	8377	Tonga	8479
Armenian	7289	Esperanto	6979	Indonesian	7378	Malayalam	7776	Sanskrit	8365	Turkish	8482
Assamese	6583	Estonian	6984	Interlingua	7365	Maori	7773	Scots Gaelic	7168	Turkmen	8475
Aymara	6588	Faroese	7079	Irish	7165	Marathi	7782	Serbian	8382	Twi	8487
Azerbaijani	6590	Fiji	7074	Italian	7384	Moldavian	7779	Serbo-Croatian	8372	Ukrainian	8575
Bashkir	6665	Finnish	7073	Javanese	7487	Mongolian	7778	Shona	8378	Urdu	8582
Basque	6985	French	7082	Kannada	7578	Nauru	7865	Sindhi	8368	Uzbek	8590
Bengali, Bangla	6678	Frisian	7089	Kashmiri	7583	Nepali	7869	Singhalese	8373	Vietnamese	8673
Bhutani	6890	Galician	7176	Kazakh	7575	Norwegian	7879	Slovak	8375	Volapük	8679
Bihari	6672	Georgian	7565	Kirghiz	7589	Oriya	7982	Slovenian	8376	Welsh	6789
Breton	6682	German	6869	Korean	7579	Panjabi	8065	Spanish	6983	Wolof	8779
Bulgarian	6671	Greek	6976	Kurdish	7585	Pashto, Pushto	8083	Sudanese	8385	Xhosa	8872
Burmese	7789	Greenlandic	7576	Laothian	7679	Persian	7065	Swahili	8387	Yiddish	7473
Byelorussian	6669	Guarani	7178	Latin	7665	Polish	8076	Swedish	8386	Yoruba	8979
Chinese	9072	Gujarati	7185	Latvian, Lettish	7686	Portuguese	8084	Tagalog	8476	Zulu	9085

Area Codes

Area	Code	Area	Code	Area	Code	Area	Code	Area	Code	Area	Code
Afghanistan	AF	Costa Rica	CR	Greenland	GL	Maldives	MV	Paraguay	PY	Sri Lanka	LK
Argentina	AR	Croatia	HR	Hong Kong	HK	Mexico	MX	Philippines	PH	Sweden	SE
Australia	AU	Czech Republic	CZ	Hungary	HU	Monaco	MC	Poland	PL	Switzerland	CH
Austria	AT	Denmark	DK	India	IN	Mongolia	MN	Portugal	PT	Taiwan	TW
Belgium	BE	Ecuador	EC	Indonesia	ID	Morocco	MA	Romania	RO	Thailand	TH
Bhutan	BT	Egypt	EG	Israel	IL	Nepal	NP	Russian Federation	RU	Turkey	TR
Bolivia	BO	El Salvador	SV	Italy	IT	Netherlands	NL	Saudi Arabia	SA	Uganda	UG
Brazil	BR	Ethiopia	ET	Jamaica	JM	Netherlands Antilles	AN	Senegal	SN	Ukraine	UA
Cambodia	KH	Fiji	FJ	Japan	JP	New Zealand	NZ	Singapore	SG	United States	US
Canada	CA	Finland	FI	Kenya	KE	Nigeria	NG	Slovak Republic	SK	Uruguay	UY
Chile	CL	France	FR	Kuwait	KW	Norway	NO	Slovenia	SI	Uzbekistan	UZ
China	CN	Germany	DE	Libya	LY	Oman	OM	South Africa	ZA	Vietnam	VN
Colombia	CO	Great Britain	GB	Luxembourg	LU	Pakistan	PK	South Korea	KR	Zimbabwe	ZW
Congo	CG	Greece	GR	Malaysia	MY	Panama	PA	Spain	ES		

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Symptom	Cause	Correction	
POWER			
No power	The power cord is not plugged in.	Plug in the power cord.	
RADIO			
No sound	The function switch is not set to the Radio mode.	Set the switch to the Radio mode.	
Some noise occurs.	There are electronic devices near the player.	Set the player far from the devices.	
	The antenna is positioned or connected poorly	Check the anntena connection and adjust its position.	
DVD/CD			
The unit does not start play-	An unplayable disc is inserted.	Insert a playable disc.	
back	The disc is placed upside down.	Place the disc with the playback side down.	
No picture	The disc is not placed within the guide.	Place the disc on the disc tray correctly inside the guide Clean the disc.	
	The TV is not set to receive the video signal	Select the apporate video input model on the TV so the picture from the unit appears on the TV.	
REMOTE CONTROL			
The remote control does not work properly.	The remote control is not pointed at the remote sensor of the unit directly.	Point the remote control the remote sensor directly of the unit.	
	The batteries in the remote control are exhausted.	Replace the batteries with new ones.	
ТАРЕ	1		
Unable to record	Record protect tabs are removed.	Cover holes on back edge of tape with tap.	

Specifications

General

General)
Power supply Power consumption Net Weight External dimensions (W x H Operating conditions Operating humidity	F 3 x D) 1 7	Refer to main label. Refer to main label. 3.2 kg 170 x 240 x 260 mm Temperature: 5°C to 35°C, 5% to 85%	, Operation status: Horizo	ontal	
Tuner					
AM Tuning Range	87.5 - 108.0 MHz or 65.0 10.7 MHz 522 - 1,620 kHz or 450 kHz	0 - 74.0 MHz, 87.5 - 108.0 MHz 520 - 1,720 kHz			
Amplifier					
OUTPUT POWER	Front*:30 W + 30W (Subwoofer*: 60W (30	4Ω, THD 10 %) 2 at 30 Hz, THD 10 %)			
			1		
DVD/CD player			Cassette tape player		
Frequency response (audio)		40 - 20000 Hz	F.F/REW Time	120 sec (C-60)	
Signal-to-noise ratio (audio)		More than 75 dB (1 kHz)	Frequency Response	250 - 8000 Hz	
Signal-to-noise ratio (video)		More than 55 dB (1 kHz)	Signal to Noise Ratio	43 dB	
Dynamic range (audio)	-	More than 80 dB	Channel Separation	45 dB (P/B)/45 dB (R/P)	
Video output Component Video output		1.0 V (p-p), 75 Ω	Erase Ratio	50 dB (MTT-5511)	
		(Y) 1.0 V (p-p), 75 Ω (Pb)/(Pr) 0.7 V (p-p), 75 Ω			
Speakers			-		
	XDS123V XDS63V Front Speaker	XDS123W Passive Subwoofer			
Туре	2 Way 2 Speaker	1 Way 1 Speaker			
Impedance	4Ω	3Ω			
Rated Input Power	30 W	60 W			
Max. Input Power Net Dimensions (W x H x D) Net Weight	60W 170 x 240 x 225 mm 2.4 kg	120 W n 170 x 240x 320 mm 3.24kg			
ivet weight	2.4 Kg	3.24Kg			J

Designs and specifications are subject to change without pior notice.