



DVD VIDEO DIGITAL SURROUND SYSTEM

**DVD HOME
CINEMA
SYSTEM**

LX-3500D

LX-3000D



Let's make things better.



PHILIPS





Important Note

México

NOM-135

Es necesario que lea cuidadosamente su instructivo de manejo.

	PRECAUCIÓN - ADVERTENCIA	
	No abrir, riesgo de choque eléctrico	
	ATENCIÓN	
	Verifique que el voltaje de alimentación sea el requerido para su aparato	
Para evitar el riesgo de choque eléctrico, no quite la tapa. En caso de requerir servicio, diríjase al personal calificado.		

Descripción: **Sistema receptor/reproductor de DVD**
 Modelo : **LX-3000D/21L, LX-3500D/21R**
 Alimentación: **110-127V~; 50 Hz**
 Consumo: **160 W**
 Importador: **Philips Mexicana, S.A. de C.V.**
 Domicilio: **Norte 45, # 669,
Col. Industrial Vallejo**
 Localidad y Tel: **C.P. 02300 México D.F.,
Tel. 5728-4200**
 Exportador: **Philips Electronics HK, Ltd.**
 País de Origen: **China**
 N° de Serie: _____

LEA CUIDADOSAMENTE ESTE INSTRUCTIVO ANTES DE USAR SU APARATO.

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CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Laser	
Type	Semiconductor laser GaAlAs
Wave length	650nm
Output Power	7mW
Beam divergence	60 degree

The region code for this DVD player (versions /21R and /21H) is 3.



The region code for this DVD player (versions /21S, /21L and /30S) is 4.





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Australia - Philips product warranty for Australia only

Warranty conditions valid for Colour Television, Video Cassette Recorders, CD Recordable, DVD Players, Audio Systems, and Portable Audio.

The benefits given to the purchaser by this warranty are in addition to all other rights and remedies which the purchaser has in respect of the product under the Trade Practices Act or other Commonwealth or State Law.

Philips Consumer Electronics warrants its products to the purchaser as follows and subject to the stated conditions.

12 months free service

Conditions of warranty

1. All claims for warranty service should be made to your nearest Philips Authorised Service Centre. Reasonable evidence of date of purchase must be provided.
2. This warranty extends only to defects occurring under normal use of the product when operated in accordance with the instructions.
3. Home service within the normal service area of one of our Authorised Service Centres will be provided for television receivers with screen size 48cm and above. All other products are to be brought or sent to your nearest Authorised Service Centre.
4. This warranty does not cover:
 - a) Mileage or traveling time, pickup or delivery, cost of insurance.
 - b) Service costs arising from failure to correctly adjust the controls of the product or to observe the instructions, or inspections that reveal that the product is in normal working order.
 - c) Product failures caused by misuse, neglect, normal wear and tear, accidental breakage, transit damage, inexpert repairs or modification by unauthorised persons, lightning strikes, vermin infestation or liquid spillage.
 - d) Cleaning of video or audio heads.
 - e) Inadequate receiving antenna.
 - f) Replacement of worn or used batteries, styli or other consumables.

The conditions contained in this warranty replace and override the provision of the World-Wide Guarantee for products sold in Australia.

Philips Authorised Service Centres

To contact your nearest Philips Authorised Service Centre call **1300-36-13-92** from anywhere in Australia.

Sydney

Canberra

Adelaide

Newcastle

Melbourne

Hobart

Perth

Brisbane

Wollongong

Service is provided through 350 accredited service dealers throughout Australia. To find out about your nearest centre, call **1300 36 13 92**.

Please record the following information for your records and keep in a safe place.

Model No:.....

Serial No:.....

Please retain your purchase receipt which is required to claim service under warranty.

Philips Consumer Electronics Australia Limited
ACN 008 445 743, 3 Figtree Drive
Homebush NSW 2140

Version 4, 03/99, FPCP-030



New Zealand - Guarantee and Service for New Zealand

Thank-you for purchasing this quality Philips product. Philips New Zealand Ltd guarantees this product against defective components and faulty workmanship for a period of 12 months. Any defect in materials or workmanship occurring within 12 months from the date of purchase subject to the following conditions will be rectified free of charge by the retailer from whom this product was purchased.

Conditions

1. The product must have been purchased in New Zealand. As proof of purchase, retain the original sales docket indicating the date of purchase.
2. The guarantee applies only to faults caused by defective components, or faulty workmanship on the part of the manufacturer.
3. The guarantee does not cover failures caused by misuse, neglect, normal wear and tear, accidental breakage, use on the incorrect voltage, use contrary to operating instructions, or unauthorised modification to the product or repair by an unauthorised technician.
4. Reasonable evidence (in the form of a sales docket) must be supplied to indicate that the product was purchased no more than 12 months prior to the date of your claim.
5. In the event of a failure, Philips shall be under no liability for any injury, or any loss or damage caused to property or products other than the product under guarantee.

This guarantee does not prejudice your rights under common law and statute, and is in addition to the normal responsibilities of the retailer and Philips.

How to claim

Should your Philips product fail within the guarantee period, please return it to the retailer from whom it was purchased. In most cases the retailer will be able to satisfactorily repair or replace the product.

However, should the retailer not be able to conclude the matter satisfactorily, or if you have other difficulties claiming under this guarantee, please contact

The Guarantee Controller Philips New Zealand Ltd.

✉ P.O. Box 41.021

Auckland

☎ (09) 84 94 160

fax ☎ (09) 84 97 858



POLIZA DE GARANTÍA

ESTA POLIZA ES GRATUITA

Este aparato ha sido cuidadosamente diseñado y se ha fabricado con los mejores materiales bajo un estricto control de calidad, garantizando su buen funcionamiento por los periodos establecidos según el aparato (ver lista en la parte inferior) **a partir de la entrega del aparato al consumidor. Esta póliza incluye la reparación o reposición gratuita de cualquier parte o componente que eventualmente fallase y la mano de obra necesaria para su reparación**, misma que se hará efectiva en cualquiera de nuestros centros de servicio autorizados en el país.

Si su aparato llegase a requerir de nuestro servicio de garantía, acuda al centro de servicio más cercano a su domicilio, de tener alguna duda por favor llame a nuestra CENTRAL DE SERVICIO al tel.: 57 28 42 52, y en el interior del país LADA sin costo al 01 800 506 92 00 en donde con gusto le indicaremos el centro de servicio autorizado más cercano a su domicilio.

PHILIPS MEXICANA S.A. de C.V. a través de sus centros de servicio autorizados **reparará y devolverá a usted su aparato en un plazo no mayor a 20 días hábiles**, contados a partir de la fecha de ingreso, impresa en la orden de servicio de cualquiera de nuestros centros de servicio autorizados.

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- Cuando el aparato sea utilizado en condiciones anormales y los daños o desperfectos que manifestase sean causados por mal trato, descuido o mal uso.
- Cuando el aparato no haya sido operado de acuerdo a su instructivo de uso, en donde se señalan las condiciones normales de operación, los valores nominales y las tolerancias de las tensiones (voltaje), frecuencia (ciclaje) de alimentación eléctrica y las características que deben reunir las instalaciones auxiliares.
- Cuando la causa de la falla o mal funcionamiento sea consecuencia de una reparación inadecuada o alteración producida por personas no autorizadas por PHILIPS MEXICANA S.A. de C.V.
- Cuando los datos de esta póliza hayan sido alterados o modificados.
- Por fenómenos naturales no imputables a la empresa tales como: temblores, inundaciones, incendios, descargas eléctricas, rayos, etc.

PERIODOS DE GARANTÍA

36 MESES. – Monitores para computadora.

12 MESES. – Televisores, videocassetteras, video reproductores DVD, grabador reproductor de disco compacto, video proyectores (excepto la lámpara), cámaras de video, decodificadores de señal (IRD), televisor para hotel, sistemas de observación, televisores de proyección, teléfonos celulares, pagers, equipos modulares, sintonizadores, facsimil, LNB, antena de recepción de satélite, DVD ROM, CDR ROM y CDRW ROM para computadora.

6 MESES. – Radiograbadoras con y sin reproductor de disco compacto, reproductor de cassette portátil, reproductor de disco compacto portátil, radio relojes, radios A.M./F.M., auto esteros y teléfonos inalámbricos.

3 MESES. – Accesorios, controles remotos, bocinas, cinta para fax y para cámara de videoconferencia.



PHILIPS

MC-719-ARCO



Philips Mexicana, S.A. de C.V.

Producto importado por:
Philips Mexicana, S.A. de C.V.
Norte 45 No. 669 Col. Ind. Vallejo,
Del. Atzacapotzalco C.P. 02300
Tels. 57 28 42 00 y 57 29 48 00

Centro de Información al Consumidor:
Norte 45 No. 669 Col. Ind. Vallejo
Del. Atzacapotzalco C.P. 02300
Tel. 53 68 77 88 Lada 01 800 504 62 00

MODELO **LX-3000D, LX-3500D**

Nº DE SERIE _____

La presente garantía contará a partir de: **DIA** _____ **MES** _____ **AÑO** _____

En caso que en su producto se produzca alguna falla, acuda al centro de servicio más cercano a su domicilio (según listado de talleres), de tener alguna duda, por favor llame a nuestra CENTRAL DE SERVICIO, en donde con gusto le atenderemos.

Así mismo, cuando requiera refacciones y partes originales para su producto, acuda a los centros de servicio. Para hacer efectiva la garantía de su producto, es necesario que presente usted esta póliza debidamente requisitada o de lo contrario presentar su factura de compra.

CENTROS DE SERVICIO

Ciudad	EDO	Calle y Nº	Colonia	C. P.	Nombre Comercial	Lada	Telefono	Fax	
Acapulco	GRO	Av. Revolucion Nº 28	M. Aleman	39300	Servicio Electronico Profesional	74	83 32 96	-	S
Cd. Juarez	CHIH.	Rancho el Becerro 3011	Pradera Dorada	32610	Teleservicio Dominguez	16	18 21 28	18 21 28	S
Cd. Reynosa	TAMPS	Tiburcio Garza Nº 401	Rodriguez	88699	Teleservicio Pepe	89	22 59 86	-	S
Chihuahua	CHIH.	Trasviña y Retes Nº 3503-A	San Felipe	31240	Zener Electronica	14	14 01 16	26 50 41	S
Colima	COL	Francisco I. Madero Nº 426	Centro	28000	TV Antenas de Colima	331	403 01	403 01	S
Culiacan	SIN.	Venustiano Carranza Nº 140-A Nte.	Centro	80090	Estereo Voz	67	16 15 10	-	S
Guadalajara	JAL	Av. Vallarta Nº 2250	Ladron de Guevara	44600	Leecom S.A. de C.V.	3	616 18 88 616 01 26	615 72 62	SR
Leon	GTO	Hernandez Alvarez Nº 726	San Juan de Dios	37480	Tecnicos Especializados	47	70 26 99	15 58 64	S
Merida	YUC	Calle 70 Nº 443 X 49 Depto. 8	Centro	97000	Servicentro	99	28 54 28	23 39 97	S
Mexicali	B.C.N.	Calz. Cuauhtemoc Nº 866-2	Cuauhtemoc Nte.	21200	Baja Electronic's	619	67 49 16	67 49 16	S
Mexico	D.F.	Calz. Vallejo Nº 1045-03 Esq Poniente 124	Industrial Nueva Vallejo	2300	Chyr S.A. de C.V.	5	567 22 56 567 96 32	567 96 32	SR
Mexico	D.F.	Calz. Vallejo Nº 904 Loc. 5	Industrial Vallejo	2300	Tecnologia y Servicio S.A. de C. V.	5	587 57 99	587 57 99	S
Mexico	D.F.	Pilares Nº 519 Local C-3	Del Valle	03100	Cocesionario Pilares	5	605 42 15 605 42 76	605 43 46	SR
Monterrey	N.L.	Juan Mendez Nº 825 Nte.	Centro	64000	Monterrey Centro Electronico S.A.	8	375 16 17	374 85 42	SR
Morelia	MICH.	Lago de Patzcuaro Nº 500-A	Ventura Puente	58020	Multiserv. Prof. de Zamora	43	12 03 17	-	S
Oaxaca	OAX	Huzares Nº 207	Centro	68000	El Francistor S. de R.L. de C.V.	951	647 37	-	S
Pachuca	HGO	Pza. de las Americas Lote 28 Nucleo D	Valle de Sn Javier	42086	Frazare Electronica	77	14 15 81	-	S
Puebla	PUE	Av. 10 Poniente Nº 2902-B	San Alejandro	72090	Selcom	22	48 77 64	48 77 64	SR
Queretaro	QRO	Bolivia 32	Lomas de Queretaro	76190	Electronica Zener	421	610 09	-	S
San Luis Potosi	S.L.P.	Fuente De La Glorieta Nº 147	Balcones del Valle	78320	Servicios Electronicos	481	534 07	-	S
Tampico	TAMPS	Laredo Nº 105	Mainero	89060	Concesionario Philips Tampico	12	12 36 04	-	SR
Tijuana	B.C.N.	Calle 1a. Nº 1540-3	Centro	22000	Sistemas Inalambricos de Comunicacion	66	85 95 58	85 95 58	S
Toluca	EDO MEX	Calle Toluca Nº 505	Sanchez	50040	Concesionario Philips Toluca	72	14 83 09	17 03 21	S
Torreón	COAH	Mariano Lopez Ortiz Nº 1126 Nte.	Centro	27000	Electronica Jomar	17	22 00 05	-	S
Tuxtla Gutierrez	CHIS	10 Nte. Ote 153-A	Centro	29000	KC-Video	96	18 19 08	-	S
Veracruz	VER	Guerrero Nº 1877 Entre Cortes y Canal	Centro	91700	Antza Comunicaciones	29	32 78 23 32 44 44	32 78 23	S
Villahermosa	TAB	Sanchez Marmol Nº 206	Centro	86000	Tecnicentro	93	14 31 36	-	S

NOTA: Los Centros que tengan (S) solo proporcionan Servicio y los que tengan (SR) venden refacciones y proporcionan Servicio.



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Introduction and General Information

Features

Your complete 7-piece 200-Watt DVD Digital Home Cinema System creates the same dynamic sound qualities that you find in full-fledged cinemas and incorporates some of the best features in home theatre technology.

Other features include:

Built-in DTS and Dolby® Digital decoder, supporting Dolby® ProLogic and virtual surround

Lets you use the Home Cinema Audio System for a movie-theatre surround sound experience.

Additional Component Connections

Lets you connect other audio and audio/visual components to the DVD system so you can use the system's surround sound speakers.

Night Mode

Lets you compress the dynamic range, reducing the difference in loudness between different sounds in Dolby Digital mode.

Parental Control (Rating Level)

Lets you set a ratings level so that your children cannot watch a DVD that has a rating higher than you set.

Sleep Timer

Enables the system to switch to standby mode automatically at a preset time.

Progressive Scan (for LX3500D model only)

Provides a flicker free image with the highest effect on film based sources. It can double the vertical resolution of the picture to 525 lines every time the picture is refreshed. **To enjoy the full quality potential offered by progressive scan feature, a progressive scan TV is required.**

Discs for playback

Your DVD player is able to play :

- **All pre-recorded audio CDs**
- **All finalised audio CDR and audio CDRW discs**
- **All VCDs, Super VCDs and DVDs**
- **MP3-CDs (CD-ROMs with MP3 tracks)**



Player zone

DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc is the same zone as your player (refer to page 2).

Supplied accessories

- a remote control with two AA batteries
- an MW loop antenna and an FM wire antenna
- an audio and Pr/Cr Pb/Cb Y video cable for connection with the TV
- five satellite speakers, including five speaker cables
- an active subwoofer; including a connection cable and a power cable
- a power cable for connection with the main unit (for versions /21S and /21H)
- this instruction booklet

If any item is damaged or missing, contact your retailer or Philips.

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialised company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

Installation

- Place the player on a flat, hard, and stable surface.
- There must be sufficient room in front of the player for the drawer to open.
- In a cabinet, allows about 10cm (4 inches) of free space all around the player for adequate ventilation.
- Do not expose your player to extreme temperatures or humidity.

Maintenance

- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the centre out, in a straight line.
- Do not expose the player, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight). Always keep the disc tray closed to avoid dust on the lens.
- Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for colour discs.
- The lens may cloud over when the player is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.

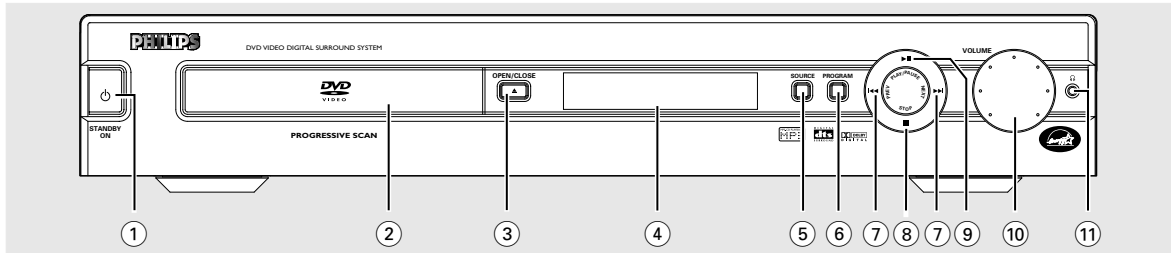




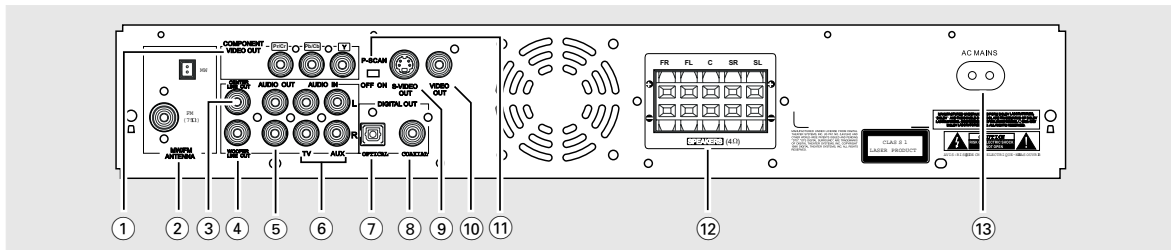
Functional Overview

English

Front and Rear panels



- ① **STANDBY ON**
 - to switch between power on and standby modes.
- ② **Disc Tray**
- ③ **OPEN/CLOSE** (in Disc mode only)
 - to open or close the disc tray.
- ④ **Display screen**
 - to display details for user's information.
- ⑤ **SOURCE**
 - to select the desired source or external input source (TV/AV, DISC, TUNER or AUX).
- ⑥ **PROGRAM**
 - in Disc mode, to programme disc tracks.
 - in Tuner mode, to programme preset radio stations.
- ⑦ **PREV** / **NEXT**
 - in Disc mode, press to skip to the previous/next chapter/track.
 - in Disc mode, hold down to fast reverse/forward the disc.
 - in Tuner mode, to tune to a lower or higher radio frequency.
- ⑧ **STOP** (in Disc mode only)
 - to stop playing the disc.
- ⑨ **PLAY/PAUSE** (in Disc mode only)
 - to start or interrupt disc playback.
- ⑩ **VOLUME**
 - to adjust the master volume.
- ⑪
 - to connect headphones.

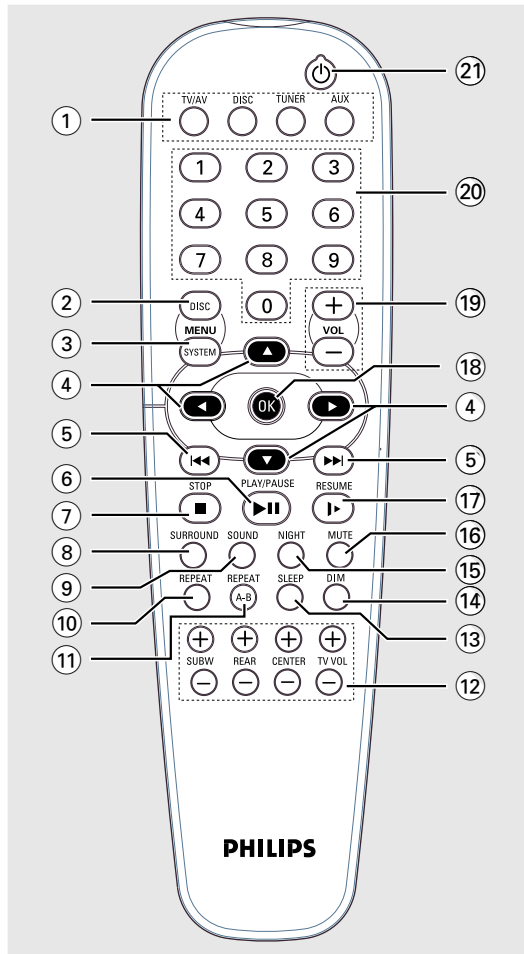


- ① **Pr/Cr Pb/Cb Y** (COMPONENT VIDEO OUT)
 - connect to TV with Pr/Cr Pb/Cb Y inputs.
- ② **MW/FM ANTENNA**
 - connect to the MW loop antenna or FM antenna.
- ③ **CENTER LINE OUT**
 - connect to an additional centre speaker.
- ④ **WOOFER LINE OUT**
 - connect to an active subwoofer.
- ⑤ **AUDIO OUT**
 - connect to the analogue audio inputs of an external recording device or amplifier.
- ⑥ **AUDIO IN (TV / AUX)**
 - connect to the analogue audio outputs of a TV or VCR.
- ⑦ **DIGITAL OUT-OPTICAL**
 - connect to audio equipment with digital-optical audio input.
- ⑧ **DIGITAL OUT-COAXIAL**
 - connect to audio equipment with digital-coaxial audio input.
- ⑨ **S-VIDEO OUT**
 - connect to a TV with S-video input.
- ⑩ **VIDEO OUT**
 - connect to a TV with video input.
- ⑪ **P-SCAN ON/OFF** (for model LX3500D only)
 - switch on or off progressive scan feature.
- ⑫ **SPEAKERS**
 - connect to the front, centre and surround speakers.
- ⑬ **AC Power Cord**
 - connect to a standard AC outlet.

Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.



Remote Control



Notes for remote control:

- First, select the source you wish to control by pressing one of the source select keys on the remote control (DISC or TUNER, for example).
- Then select the desired function (▶, ◀◀, ▶▶ for example).

① SOURCE

- to select the desired source (TV/AV, DISC, TUNER or AUX).

② DISC MENU (disc mode only)

- to enter or exit the disc contents menu.

③ SYSTEM MENU (disc mode only)

- to enter or exit the system menu bar.

④ ▲▼◀▶

- in Tuner mode, to select a preset radio station number (◀ or ▶).
- to select movement direction in disc contents menu / system menu bar.

⑤ ◀◀ / ▶▶

- in disc mode, press to skip to the previous/next chapter/track.
- in disc mode, hold down to fast reverse/forward the disc.
- in Tuner mode, to tune to a lower or higher radio frequency.

⑥ ▶||

- to start or interrupt disc playback.

⑦ ■

- to stop playing the disc.

⑧ SURROUND

- to select multichannel surround (Dolby Digital, DTS or Dolby ProLogic) or stereo sound effect.

⑨ SOUND

- to select the various sound effects : CONCERT, DRAMA, ACTION, SCI-FI, CLASSIC, JAZZ, ROCK or DIGITAL.

⑩ REPEAT

- to repeat chapter, track or disc.

⑪ REPEAT A-B

- to repeat a specific section on a disc.

⑫ SUBW +/−

- to adjust the subwoofer's level.

REAR +/−

- to adjust the rear (surround) speakers' level.

CENTER +/−

- to adjust the centre speaker's level.

TV VOL +/−

- to adjust Philips television's volume level.

⑬ SLEEP

- to set the sleep (auto-off) timer function.

⑭ DIM

- to select different brightness for the display screen.

⑮ NIGHT (DVD mode only)

- to optimise the dynamics of the sound output.

⑯ MUTE

- to interrupt or resume sound reproduction.

⑰ RESUME

- to continue disc playback after an interruption.

⑱ OK

- to exit or confirm the selection.

⑲ VOL +/−

- to adjust the volume level.

⑳ Numeric Keypad (0-9)

- to enter a track/title number of the disc.
- to enter a number of preset radio stations.

㉑ ⏻

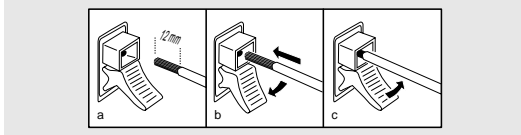
- to switch to standby mode.



Connecting the speakers

Connect the supplied speaker systems using the supplied speaker cables by matching the colours of the jacks and speaker cables.

- 1 Press up (or down) the speaker's jack and fully insert the stripped portion of the speaker cable into the jack, then release.



- 2 Connect the subwoofer's audio input to the **WOOFER LINE OUT** jack and the speakers as follows :

Speakers	⊖	⊕
Front Left (FL)	black	white
Front Right (FR)	black	red
Centre (C)	black	green
Surround Left (SL)	black	blue
Surround Right (SR)	black	grey

Notes:

- Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.
- For optimal sound performance, use the supplied speakers.
- Do not connect more than one speaker to any one pair of + / - speaker jacks.
- Do not connect speakers with an impedance lower than the speakers supplied. Please refer to the SPECIFICATIONS section of this manual.

Connecting a TV and additional components

You must connect a TV to the DVD system in order to use the DVD player. You can connect other audio and audio/visual components to the DVD system in order to use the Home Cinema Audio System's surround sound capabilities.

IMPORTANT!

- There are various ways to connect the system to a TV (as shown in the illustration). You only need to make one of the best connections, depending on the capabilities of your TV system.
- Always refer to the instruction manual of the connected equipment to make an optimal connection.
- Some DVD discs have anti-copying devices, so you will not be able to record the disc through a VCR.

- Use the supplied audio cables to connect **AUDIO IN** jacks to the corresponding AUDIO OUT jacks on the TV, VCR or other audio/visual components.

- Use the supplied Pr/Cr Pb/Cb Y cables to connect **Pr/Cr Pb/Cb Y** jacks to the corresponding video input jacks on a TV.

If your TV is not equipped with Pr/Cr Pb/Cb Y video input jacks, you can select one of the following alternative connections :

Option 1

Connect the **S-VIDEO OUT** jack to the S-Video input jack on the TV using a S-Video cable (not supplied) .

Option 2

Connect the **VIDEO OUT** jack to the video input jack on the TV using a video cable (not supplied).

Use the AUDIO OUT jacks

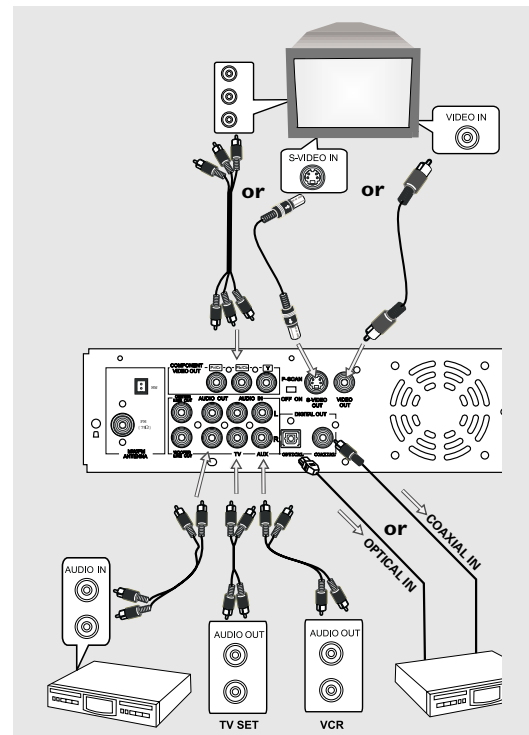
- for connecting to an amplifier, audio system or TV with analogue audio inputs.
- for connecting to a CD or Tape recorder to make an analogue recording.

Use the OPTICAL or COAXIAL jacks

- for connecting to an amplifier with DTS, Dolby Digital decoder or CD recorder.
- You will need to set the DVD system's digital output to "ALL" (refer to "Preparations - System setup (DVD)").

Notes:

- MP3 audio is not available on the digital output.
- Digital recording is only possible on a CD or VCD.

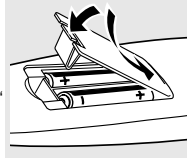




Preparations

Inserting batteries into the remote control

- 1 Open the battery compartment.
- 2 Place the batteries in the compartment with the correct polarity as indicated by "+" and "-" symbols.
- 3 Close the cover.



CAUTION!

- Remove batteries if they are exhausted or will not be used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed off properly.

Switching on the system

- 1 After completing all the connections, connect the AC power cord of the player and subwoofer to the power outlet.
 - 2 Press **STANDBY ON** to switch on the last selected source.
 - 3 Adjust the **SOURCE** button (or press **TV/AV, DISC, TUNER** or **AUX**) to select the input source.
 - The selected source will be displayed.
- For viewing a DVD or VCD disc, a TV set needs to be connected (refer to "Connections - Connecting a TV and additional components"). Switch on the TV and set to the correct video in channel (for example, EXT1, EXT2, AV1, AV2). Refer to your TV instruction manual for details.
 - The default screen appears on the TV.
 - You can connect other external components to the DVD system in order to use the Home Theatre Audio System's surround sound capabilities. For example, connect to a TV and select TV/AV as the input source or connect to a VCR and select AUX as the input source.

Setting up the surround sound system

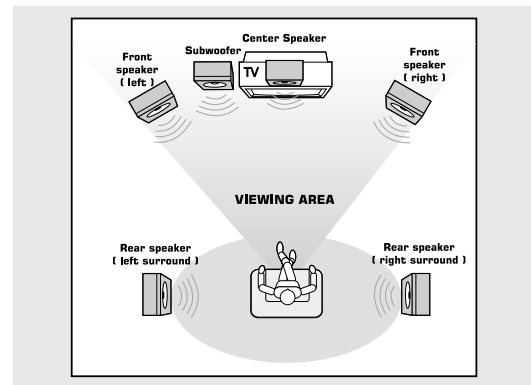
You must connect all the speakers and set up the system properly in order to enjoy the Digital Cinema experience at home (refer to "Connections - Connecting the speakers"). You will have the feeling of being in the middle of the action because sound is coming from everywhere around you. The subwoofer can enhance the bass performance of your system dramatically.

IMPORTANT!

Please sit at your usual listening position in order to set up the speaker balance correctly.

Placing the speakers

To obtain the best surround effect, place the speakers as follows.



- 1 Place the front left and right speakers at equal distances from the TV and at an angle of approximately 45 degrees from the listening position.
- 2 Place the centre speaker above or below the TV so the centre channel's sound is localised.
- 3 Place the surround speakers at normal listening ear level facing each other or mounted on the wall.
- 4 Place the subwoofer on the floor near the TV.

Notes:

- To avoid magnetic interference, do not position the front speakers too close to your TV.
- If the rear surround speakers are installed farther away from the listening position than the front and centre speakers, it will weaken the surround effect.
- All speakers should be securely installed to prevent accidents and improve sound quality.



Changing the volume level

You can change the speakers' sound distribution to suit your surround sound needs.

- Press **CENTER** \pm to adjust the level of the centre speaker:
→ "CENT \pm xx dB" is displayed.
- Press **REAR** \pm to adjust the level of the rear surround speakers.
→ "RE \pm xx dB" is displayed.

Note:

– "xx" denotes the volume level between -15db to 10db.

Setting up the subwoofer

- 1 Use the supplied subwoofer cable to connect the subwoofer's audio input jack to the **WOOFER LINE OUT** of the DVD system.
- 2 Connect the subwoofer's AC power cable to the wall socket and switch on the power:
→ It will automatically switch on when receiving an audio signal input. If there is no audio signal input, it will switch off automatically.
- 3 Select the phase polarity at the rear of the subwoofer at either **0°** or **180°** to determine better bass reproduction effect in certain listening environment.
- 4 Press **SUBW** \pm to adjust the volume level of the subwoofer (-15dB to 10dB).
→ "SUB \pm xx dB" is displayed.

Activating progressive scan mode (for model LX3500 only)

The progressive-scan display presents 60 complete frames per second, rather than the 30 frames per second of interlaced scanning (ordinary normal TV system). With nearly double the numbers of line, progressive scan offers higher picture resolution and eliminates bothersome motion artifacts those jagged edges on moving objects.

To enjoy the full quality potential offered by progressive scan feature, a progressive scan TV is required.

- 1 Press **STANDBY ON** to switch the system off.
- 2 Slip the **P-SCAN** switch (located at back panel) to "ON" position.
- 3 Press **STANDBY ON** again to switch the system on.

Note:

– You need to switch the system off before changing the progressive scan mode.


System Setup (DVD)

The system setup is carried out via the TV, it enabling you to customise the DVD system to suit your particular requirement. If the preferred options selected are not available on a disc, then the disc's own preference will be used.

IMPORTANT !

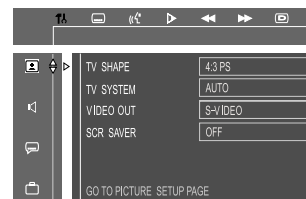
To access the System Setup menu, playback must be stopped.

General operation

- 1 Press **SYSTEM MENU**.
→  icon will be highlighted in the menu bar on the TV screen.
- 2 Press \blacktriangledown to activate the System Setup menu.
- 3 Use \blacktriangleleft \blacktriangleright keys to toggle through the functions and select your preferred option.
- 4 Press **OK** to confirm a highlighted selection.
- 5 To exit the System Setup menu, press **SYSTEM MENU** or **OK**.

The following items are available :

Setting the picture



– TV Shape

Select the aspect ratio of the TV to be connected.

4:3 PS (default setting)

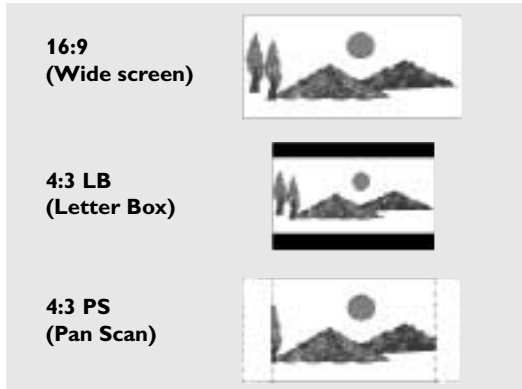
– If you have a conventional TV set and your DVD is not formatted for widescreen viewing, use this setting. A wide picture is displayed on the whole TV screen with a portion automatically cut off.

4:3 LB

– If you have a conventional TV set and your DVD is formatted for widescreen viewing, use this setting. Wide bands will be displayed on the upper and lower portions of the TV screen.

16:9

– If you have a widescreen TV set, use this setting (you must also set your widescreen TV to "full size").

**Note:**

– If your DVD is not encoded to allow you to change the aspect ratio, TV shape cannot be changed.

– TV System

Allows you to select the colour system matching the connected TV set.

AUTO (default setting)

– If the connected TV is multi system, select this mode. The output format will be in accordance with the video signal of the disc.

NTSC

– If the connected TV is NTSC system, select this mode. It will change the video signal of a PAL disc and output in NTSC format.

PAL

– If the connected TV is PAL system, select this mode. It will change the video signal of a NTSC disc and output in PAL format.

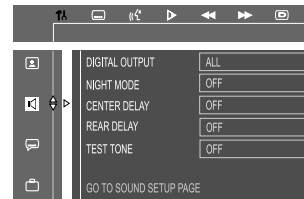
– Video Out

Video out selection enables you to choose the type of video output suitable for your receiver.

- Select **PR PB Y** (default setting), if you have connected the video output to your TV using the Component Video Out (Pr/Cr Pb/Cb Y) jacks.
- **SCART** (this feature is not available for this model)
- Select **S-VIDEO** if you have connected the video output to your TV using S-Video jack.

– Screen Saver

If set to ON, when you leave the system in stop or pause mode for more than one minute, the screen saver will be activated. The default setting is OFF.

Setting the sound**– Digital Output**

Digital output selection enables you to specify the type of digital output suitable for your amplifier or receiver.

- Select **ALL** (default setting), if you have connected the digital output (COAXIAL or OPTICAL) to a multichannel decoder receiver.
- Select **PCM 96K** if the external component is capable of processing digital signal input with sampling rates of 96 kHz.
- Select **PCM 48K** if the external component is incapable of processing 96 kHz digital signal input, then convert to standard signal with sampling rates of 48 kHz.
- Select **OFF** to deactivate the digital output (COAXIAL or OPTICAL).

– Night Mode

Set night mode to on to level out the volume. For example, the disc will play at the same sound level throughout the movie. The default setting is OFF.

Night function can also be accessed via the remote control.

– Center Delay

If the listening position is closer to the centre speaker than the front speakers, you can set the centre delay time to improve the surround sound effect.

Options : 5ms, 3ms, 2ms, 1ms or OFF (default setting).

– Rear Delay

If the listening position is closer to the rear surround speakers than the front speakers, you can set the rear delay time to improve the surround sound effect.

Options : 15ms, 12ms, 9ms, 6ms (default setting), 3ms or OFF.

– Test Tone (disc mode only)

If set to ON, the system will test the speaker settings. The test signal is generated through the left, centre, right, and surround speakers. The default setting is OFF.



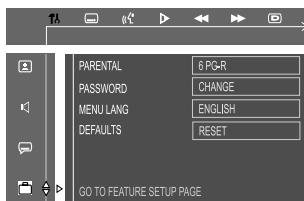
Setting the language



- Audio
- Subtitle
- Disc Menu

- This is to select the audio language, subtitle language and the language used on TV screen menus or DVD menus that will always be used for every disc to be played back. The default setting is English.
- If the language selected is not available on the disc, the original language designated by each disc will be selected.

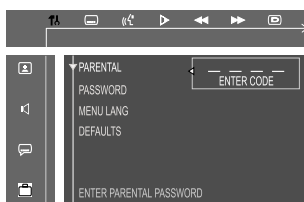
Setting the features



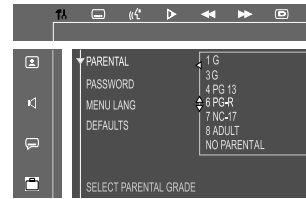
- Parental

Enables setting of playback limitation level. Some DVDs may have a parental level assigned to the complete disc or to certain scenes on the disc. The rating levels are from 1 to 8 and are country dependent. You can prohibit the playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.

- 1 Enter the 4-digit code. If necessary, enter the code a second time.



- 2 Use ▲▼ keys to select a rating level.



- 3 Press **OK** to confirm.

Rating - NO PARENT

If parental control is not activated, it will play all discs.

Rating - 1 to 8

If the player's parental level is set below 8, only discs with a lower or equal level will play. For example, if the player is set to 5, only discs with ratings of 5, 4, 3, 2 and 1 will be played. Higher rated scenes will not be played unless an alternative that has the same rating or lower is available on the disc. For example, consider a disc that generally is suitable for most audiences, and it is rated at level 2 for the most part. However, in the middle, there are also scenes rated at 5 (not suitable for children).

To play a higher rated disc or scene than the level set

- Enter the 4-digit cord before resetting the rating level to a higher number (go to "Password").

If you forget the 4-digit code

- 1 Press **■** four times when prompted for the password and the system will change back to the default password.
- 2 Go to "Password" and enter your new code.

Note:

- Some DVDs are not encoded with a rating though the movie rating is printed on the disc jacket. The rating level feature does not work for such discs.

- Password

To set a new password for the parental control or to change the password. The password supplied as default is 1234.

- Menu Language

Select the language for on-screen display.

- Defaults

If RESET is selected, all the items in the setup menu will be reset to default setting.





Basic Functions

Selecting the surround sound mode

IMPORTANT!

- For proper surround sound, make sure you have followed the “Connections” and “Preparations” procedures fully.
- The centre and surround speakers only operate when the system is set to surround sound mode and the source material being played is recorded or broadcast in Dolby Digital, DTS or Dolby Pro Logic surround sound.
- Stereo broadcasts or recordings will produce some surround channel effects when played in a surround mode. However, mono sources will not produce any sound from the surround speakers.

- Press **SURROUND** to select surround or stereo mode.
 - The availability of the various surround sound modes depend on the number of speakers used and the incoming sound information available on the disc. The available output modes are shown below.

Dolby Digital Surround

Dolby Digital (also known as AC-3 or Dolby 5.1) and MPEG Multichannel delivers a realistic and dynamic sound similar to theatre and cinema. It requires connection of all five speakers (front left/right, centre, surround left/right) and subwoofer for correct Dolby Digital Surround sound reproduction. Each channel plays its own unique role in providing the right sound. Front left, centre and right join two surround speakers to reproduce high, mid and bass frequencies in five full-range channels of surround. Bass rumble, explosions and low frequency effects you feel are delivered through the subwoofer. A large number of DVD discs have been recorded in Dolby Digital Surround.

DTS Surround

The DTS Surround is a cinema surround sound format that offers superior digital audio performance. DTS offers more clarity and definition especially for higher tones. The better sound quality is a result of the limited sound compression (3:1 instead of 11:1 for Dolby Digital) and the 20-bit resolution.

Dolby Pro Logic Surround

The Dolby Pro Logic Surround system is a specially encoded two-channel analogue format that will produce sound through four speaker channels (front left, centre, front right, mono surround) when a Dolby Pro Logic Decoder is used. It is also compatible with stereo systems but the user will only have two-channel (front left & right) of sound.

Matrix

A new surround playback system that delivers amazingly rich and convincing five-channel surround outputs (front left/right, centre, surround left/right).

VSS (Virtual Surround Sound)

The ProLogic MPEG or Dolby Digital surround channel is processed by a 'virtualiser' DSP to add surround effect from just the two front speakers.

Stereo

All sound is reproduced and played through the front left and right speakers. This enables standard stereo reproduction.

Selecting the digital sound effect

The digital sound effects allow you to select from various pre-set modes that control the frequency bands of sound to optimise certain musical styles. It greatly enhances the excitement and enjoyment of your favourite music.

- Press **SOUND** repeatedly to select the available sound effect.

When playing a DVD/VCD, select :

- CONCERT, DRAMA, ACTION or SCI-FI

When playing a CD or in Tuner or Aux mode, select :

- CLASSIC, JAZZ, ROCK or DIGITAL


Volume control

Adjust **VOLUME** button (or press **VOL + / -**) to increase or decrease the volume level.
→ “VOL X X” is displayed. “X X” denotes the volume level.

For Philips TVs only

- Press **TVVOL + / -** on the remote control to adjust the TV's volume level.

To listen through the headphones

- Connect the headphones plug to the  socket at the front of the player.
→ The speakers will be muted.

To switch off the volume temporarily

- Press **MUTE**.
→ Playback will continue without sound and “MUTE” is displayed.
- To restore the volume, press **MUTE** again.

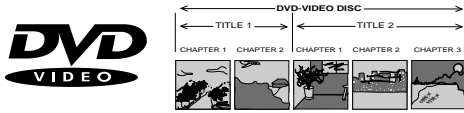
Dimming the display screen

- Press **DIM** repeatedly to select different levels of brightness for the display screen : HIGH, MID or LOW.

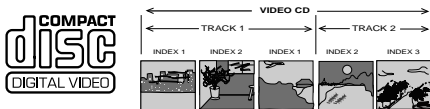


Operations

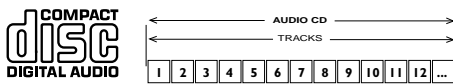
Discs information



- DVD video discs may have one or more Titles, and each Title may have one or more Chapters.
- Playback stops at the end of each Title.



- Video CDs may have one or more Tracks, and each Track may have one or more Indexes.
- To make easy and convenient access, you can move between Tracks and Indexes.
- Some Video CDs have Play Back Control (PBC), which is a predefined playback sequence stored on the disc (refer to "Special VCD/SVCD features").



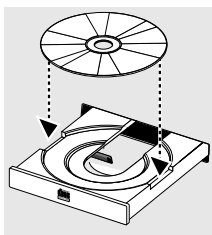
- Audio CDs contain only Tracks.

Basic playback

CAUTION!

- Do not move the disc player during playback, as doing so may damage the DVD system.
- Do not push on the disc tray or put any objects other than disc on the disc tray. Doing so may cause the disc player malfunction.

- 1 Press **STANDBY ON** or **POWER** to switch the system on.
- 2 Press **OPEN/CLOSE** to open the disc tray.
- 3 Load a disc with the label side facing up.
- 4 Press **OPEN/CLOSE** again to close the tray.
 - There will be a short delay while the player identifies the disc and reads the menu from the disc.
- Some discs will start playing automatically, and others will display the Disc Contents Menu on the TV screen. If the menu is presented, use **▲▼◀▶** keys to highlight your selection and press **OK** to confirm. To select a play option, press **numeric keypad (0-9)**.
- 5 Press **▶||** to start playback.



Notes:

- Your player will not play discs that have a region code different from the region code of your player.
- If the inhibit icon appears on the TV screen when a button is pressed, it means the function is not available on the disc you are playing.

To interrupt playback

- Press **▶||**
 - The picture freezes and the sound will be muted.
- To resume playback, press **▶||** again.

To stop playback

- Press **■**.

Skipping to another track/chapter

- Press **◀◀** or **▶▶** repeatedly during playback to skip backward or forward. Each press will take the disc to the beginning of the previous or next track/chapter.

Note:

- If the REPEAT function has been set, pressing **◀◀** or **▶▶** will replay the same track/chapter.

To skip to the beginning of the current track/chapter during playback

- Press **◀◀** once.

To go directly to any track/chapter

- Use the **numeric keypad (0-9)** to enter the number of the desired track/chapter.

Fast Search

- 1 Hold down **◀◀** or **▶▶** about **two seconds** to fast reverse or forward the disc.
- 2 To resume normal play, press **▶||**.

Continue playback from the last stop point

- In stop mode and when a disc has not been ejected, press **RESUME** to resume playback from the point at which it stopped.

To cancel the resume mode

- Press **■** again.

Notes:

- When the player is disconnected from the power supply or the disc tray is opened, the resume option will be cancelled automatically.
- The resume option may not be available on some discs.

Repeat play

You can only select the repeat play mode during playback.

For DVD - Repeat chapter/title/disc

- Press **REPEAT** repeatedly to select the following :
 - "R- I" – repeat chapter.
 - "R- R" – repeat title/disc.

For VCD/CD/MP3-CD - Repeat track/disc

- Press **REPEAT** repeatedly to select the following :
 - "R- I" – repeat the current track.
 - "R- R" – repeat the entire disc.

Notes:

- Repeat play might not work correctly with some DVDs.
- For VCD, repeat play is not possible during PBC playback.

Repeat A-B

You can play a specific section in a chapter/track repeatedly.

- 1 Press **REPEAT A-B** at your chosen starting point.
- 2 Press **REPEAT A-B** again at your chosen end point.
 - The passage will now repeat continuously.
- 3 To resume normal play, press **REPEAT A-B** again.

Note:


- The section A and B can be set only within the same chapter/track.

Programme favourite tracks

You can play the contents of the disc in the order you want by programming the order of the tracks to be played. Up to 99 tracks can be stored.

- 1 While playback is stopped, select or press **PROGRAM** to enter programme mode.
 - "P 00:00" is displayed.
- 2 Use the **numeric keypad (0-9)** to input the track number in the order you want.
 - If you attempt to programme more than 99 tracks, "FULL" is displayed.
- 3 Press **OK** to store the track.
- Repeat **steps 2-3** to store other tracks.
- 4 To start programme play, press **▶II**.
- 5 To stop playback, press **■ once**.
- 6 To cancel the programme, press **■** again.

Programme function can also be accessed via the menu bar

- 1 Press **SYSTEM MENU** and select  from the menu bar.
- 2 Repeat **steps 2-6** listed above to programme your favourite tracks.

Special DVD/VCD features

A number of operations can be carried out directly via the multiple menu bars on the TV screen without interrupting disc playback.



From the left,

SETUP MENU → SUBTITLE → LANGUAGE → SLOW
→ FAST REVERSE → FAST FORWARD → STATUS



From the left,

TITLE SEARCH → CHAPTER SEARCH → TIME
SEARCH → ZOOM → ANGLE → STEP → PBC ON/
OFF



From the left,

PROGRAM


IMPORTANT!

Some operations may be different or restricted, depending on the disc format. Refer to the jacket or case of the disc you are playing.

- 1 Press **SYSTEM MENU**.
 - The menu bar will be displayed across the top of the TV screen.
- 2 Press **◀** or **▶** to move through the menu bar.
- 3 Press **▼** to select the highlighted icon and use **▲▼** keys to select your preferred option.
- 4 Press **OK** to confirm a highlighted selection.
- 5 To exit, press **SYSTEM MENU** or **OK**.

Changing subtitle language


This operation works only on DVDs with multiple subtitle languages.

- Select  from the menu bar and press **▼** key to select the desired language.



Changing sound track language

This operation works only on DVDs with multiple soundtrack language.

- Select  from the menu bar and press **▼** key to select the desired language.

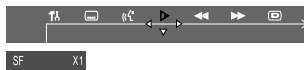
For VCD :


- Press **▼** to select the desired audio channels for sound :
LEFT VOCAL → RIGHT VOCAL → MONO LEFT
→ MONO RIGHT → STEREO → LEFT VOCAL

Note:

– When the desired language is not selected even after pressing the button several times, it means the language is not available on the disc.

Playing in slow motion mode



- 1 Select  from the menu bar and press **▼** key to select the required slow motion speed :
SF x2 → SF x4 → SF x8 → SR x2 → SR x4 → SR x8 → SLOW OFF
(SF) = slow forward
(SR) = slow reverse

For VCD :



- 1 Press **▼** key to select the required slow motion speed :
(forward) : SF x1 → SF x2 → SF x3 → OFF
- 2 To resume normal play, press **▶||**.

Note:

– The sound will be muted during slow-motion play.

Searching for a particular passage



- 1 Select  or  from the menu bar to select fast reverse search or fast forward search respectively.
- 2 Press **▼** key to select the required search speed :
(reverse) : FR x2 → FR x4 → FR x6 → FR x8 → OFF
(forward) : FF x2 → FF x4 → FF x6 → FF x8 → OFF

For VCD :


- 2 Press **▼** key to select the required search speed :
(reverse) : FR x1 → FR x2 → FR x3 → FR x4 → OFF
(forward) : FF x1 → FF x2 → FF x3 → FF x4 → OFF

- 3 To resume normal play, press **▶||**.

Note:

– The sound will be muted during fast reverse or forward search.

Display the disc information during playback

- Select  from the menu bar and press **▼** key to select the following display informations :



Moving to another title/chapter

Some discs may contain more than one title or chapter. If the disc has a title or chapter menu recorded on it, you can start playback from the selected item.

- 1 Select **T** (title) or **C** (chapter) from the menu bar.
- 2 Use **numeric keypad (0-9)** to select a desired title/chapter number and press **OK** to start playback.


Note:

– Selecting a title or chapter might not be possible on certain discs.

Playback from a selected point

This function allows you to start playing at any chosen time on the disc.



- 1 Select  from the menu bar.
- 2 Enter hours, minutes and seconds from left to right in the time edit box using the **numeric keypad (0-9)**.
→ Each time an item has been entered, the next item will be highlighted.
- 3 Press **▶||** to start playback.

Zooming in

This function allows you to enlarge the picture on the TV screen and to pan through the enlarged image.



- 1 Select from the menu bar and press **▼** key repeatedly to select a zoom factor : x1.5 → x2.0 → x4.0 → OFF.
- 2 To pan through the enlarged image, press **OK** to confirm the zoom selection and use **◀▶▲▼** keys to move the zoomed picture left, right, up and down.
- 3 To exit ZOOM mode, select zoom factor to "ZOOM OFF" from the menu bar.

Viewing from another angle

If the disc contains sequences recorded from different camera angles, this allows you to view the picture from different angles. The selections of angle are depending on the disc format.



- Select from the menu bar and press **▲▼** keys to select the desired angle : 1/4, 2/4, 3/4 or 4/4.
→ Playback changes to the selected angle.

Advancing by frames



- 1 Select from the menu bar and press **▼** key to play the disc step by step (one frame each step).
- 2 To resume normal play, press **▶||**.

Checking the contents of DVD

- 1 Press **DISC MENU** on the remote control.
→ If the current title has a menu, the menu will appear on the screen. Otherwise, the disc menu will be displayed.
- 2 Use **◀▶▲▼** keys to select the desired title or chapter, followed by **▶||** or **OK**.
→ The selected title or chapter starts playing.

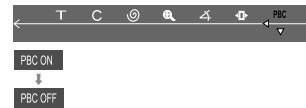
Notes:

- The details of operation might differ depending on the DVD disc.
- Selecting a title or disc might not be possible on certain DVD discs.

Special VCD/SVCD features

Playback Control (PBC)

PBC playback allows you to play Video CDs interactively, following the menu on the display.



- Select in the menu bar and press **▼** key to select PBC ON or PBC OFF.

When playing a disc with PBC function

- If "PBC OFF", the system will start playback automatically.
- If "PBC ON", the PBC menu (if available) will appear on the TV screen for selection. Use the **numeric keypad (0-9)** to enter your choice.

Note:

- If PBC mode is switched on, TIME SEARCH and REPEAT functions are not available.



Special MP3-CD features

- JPEG format
- Max. 12 characters
- Max. nested directory is 7 levels
- The max. album number is 32
- Supported VBR bit-rate
- Supported sampling frequencies for MP3 disc are :
32 kHz, 44.1 kHz, 48 kHz
- Supported Bit-rates of MP3 disc are: 32, 64, 96, 128,
192, 256 (kbps)
- The disc reading time may exceed 30 seconds due to
the large number of songs compiled onto one disc.

MP3-CD menu

- 1 Press **DISC MENU** to switch on the MP3-CD menu.
→ The album menu appears on the TV screen.
 - 2 To select a desired album, press **▲▼◀▶** and followed by **OK** or **▶||** to confirm.
→ The title menu appears on the TV screen.
 - 3 To select a desired title, press **▲▼◀▶** and followed by **OK** or **▶||** to start playback.
- You can also use the **numeric keypad (0-9)** to enter your choice.

If the MP3-CD menu is switched off

- You can only play the existing selected title by pressing **▶||** button. While in playback mode, press **◀◀/▶▶** to select the previous/next title.
→ The title number will be displayed.

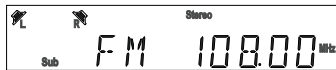
Only the following functions are possible for MP3 disc.

- STOP / PLAY / PAUSE / OK
- REPEAT (TITLE/ALBUM/DISC)

Other Functions

Tuning to radio stations

- 1 Press **STANDBY ON** to switch on the last selected source.
- 2 Adjust **SOURCE** (or press **TUNER**) to select TUNER mode.
- 3 Press **TUNER** again to select the desired band : FM or MW.
- 4 Press and hold **◀◀** or **▶▶** until the frequency indication starts to change, then release.
→ The system automatically tunes to the next strong radio station.



- To tune to a weak station, press **◀◀** or **▶▶** briefly and repeatedly until an optimal reception is found.
- 5 Repeat **step 4** if necessary until you find the desired radio station.

Presetting radio stations

You can preset up to 40 stations regardless of the reception.

- 1 Tune to your desired radio station (refer to "Tuning to radio stations").
- 2 Press **PROGRAM**.
→ "Program" icon appears.



- 3 Use the **numeric keypad (0-9)** to select the desired preset number.



Note:

– If "Program" icon goes off before you select the desired preset number, press **PROGRAM** again.

- 4 Press **PROGRAM** again to store the radio station.
- Repeat **steps 1–4** to store other radio stations.

Notes:

– If you attempt to programme more than 40 preset radio stations, "FULL" is displayed.

– During programming, if no key is pressed within five seconds, the system will exit the programme mode automatically.

Listening to preset radio stations

- In tuner mode, press **◀** or **▶** or use the **numeric keypad (0-9)** to select the desired preset number.
→ The preset number, radio frequency, and waveband are displayed.

Sleep timer setting

The sleep timer enables the system to switch to standby mode automatically at a preset time.

- 1 Press **SLEEP** repeatedly to select a preset time.
→ The selections are as follows (time in minutes):
15 → 30 → 45 → 60 → 90 → 120 → OFF → 15...



- 2 When you reach the desired length of time, stop pressing the **SLEEP** button.
→ "Sleep" icon appears.

To check the remaining length of time after sleep timer is activated

- Press **SLEEP once**.

To change the preset sleep timer

- Press **SLEEP** again while the remaining sleep timer is shown.
→ The display will show the next sleep timer options.

To deactivate the sleep timer

- Press **SLEEP** repeatedly until "OFF" is displayed, or press the **STANDBY ON** button.



Specifications

English

AMPLIFIER SECTION

Output power	
- Stereo mode (DIN)	2 x 25 W
- Surround mode (1 kHz)	15 W RMS/channel
Total Harmonic Distortion	10% at rated power (1 kHz)
Frequency Response	180 Hz – 14 kHz / ±1 dB
Signal-to-Noise Ratio	> 65 dB (CCIR)
Input Sensitivity	400 mV

TUNER SECTION

Tuning Range	FM 87.5 – 108 MHz (50 kHz steps)
	MW 531 – 1602 kHz (9 kHz steps)
	MW 530 – 1700 kHz (10 kHz steps)
26 dB Quieting Sensitivity	FM 20 dB
26 dB Quieting Sensitivity	MW 3162 µV/m
Image Rejection Ratio	FM 25 dB
	MW 28 dB
IF Rejection Ratio	FM 60 dB
	MW 24 dB
Signal-to-Noise Ratio	FM 60 dB
	MW 40 dB
AM Suppression Ratio	FM 30 dB
Harmonic Distortion	FM Mono 3%
	FM Stereo 3%
	MW 5%
Frequency Response	FM 180 Hz – 10 kHz / ±6 dB
Stereo Separation	FM 26 dB (1 kHz)
Stereo Threshold	FM 23.5 dB

DVD SECTION

Laser Type	Semiconductor
Disc Diameter	12cm / 8cm
Video Decoding	MPEG-2
Video DAC	10 Bits
Signal System	PAL / NTSC
Video Format	4:3 / 16:9
Video S/N	56 dB (minimum)
Composite Video Output	1.0Vp-p, 75 Ω
S-Video Output	Y - 1.0Vp-p, 75 Ω
	C - 0.286Vp-p, 75 Ω
Audio DAC	24 Bits / 96 kHz
Frequency Response	4 Hz – 20 kHz (44.1 kHz)
	4 Hz – 22 kHz (48 kHz)
	4 Hz – 44 kHz (96 kHz)
Digital Output	SPDIF Coaxial & Optical

MISCELLANEOUS

Power Supply Rating	
LX3000D/21L, LX3500D/21R	110 – 127 / 60 Hz
LX3000D/21S / 30S, LX3500D/21H	220 – 240 / 50 – 60 Hz
Power Consumption	160 W
Dimensions (w x h x d)	435 mm x 78 mm x 360 mm
Weight	7.1 kg

IR REMOTE CONTROL

Effective Range	> 8 Meter
Number of Keys	45
Battery (1.5V)	AA x 2

SPEAKERS

Front speakers / Centre speaker

System	1-way shielded
Impedance	4 Ω
Speaker drivers	3" full range
Dimensions (w x h x d)	90 mm x 90 mm x 90 mm
Weight	0.45 kg/each

Rear (surround) speaker

System	1-way shielded
Impedance	4 Ω
Speaker drivers	3" full range
Dimensions (w x h x d)	90 mm x 90 mm x 90 mm
Weight	0.45 kg/each

SUBWOOFER

Subwoofer (not magnetically shielded design)	6.5"
Output power	75 W (4 Ω, DIN)
THD	10% at 80 Hz
Reproduction frequency response	30 Hz – 180 Hz
Phase switch	0°, 180°
Input sensitivity (Subwoofer In)	200 mVrms
AC power	
SW3000/06S, SW3500/06S	110 – 127 / 60 Hz
SW3000/00S, SW3500/02S	220 – 240 / 50 – 60 Hz
Power Consumption	53 W (at 1/8 Rated Power)
Dimensions (w x h x d)	135 mm x 338 mm x 375 mm
Weight	7 kg

Specifications subject to change without prior notice



Troubleshooting

WARNING!

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to solve a problem by following these hints, consult your dealer or service centre.

Problem	Solution
No power.	<ul style="list-style-type: none"> – Check if the AC power cord is properly connected.
No picture.	<ul style="list-style-type: none"> – Select the appropriate video input mode on the TV. – Check if the TV is switched on. – Check the video connection.
Distorted or poor picture.	<ul style="list-style-type: none"> – Sometimes a small amount of picture distortion may appear. This is not a malfunction. – Clean the disc. – Connect the system to TV's S-video input.
The aspect ratio of the screen cannot be changed even though you have set the TV shape.	<ul style="list-style-type: none"> – The aspect ratio is fixed on the DVD disc. – Depending on the TV, it may not allow you to change the aspect ratio.
No sound or distorted sound.	<ul style="list-style-type: none"> – Adjust the volume. – Check that the speakers are connected correctly. – Replace the speaker cables. – Check the speaker settings. – The system is in pause, slow motion or fast forward/reverse mode, press PLAY to resume normal play mode.
No sound is heard from the centre or rear speakers.	<ul style="list-style-type: none"> – Use the CENTER +/– or REAR +/– to adjust the volume level. – Check that the centre or rear surround speakers are connected correctly. – Use surround mode.
The DVD player does not start playback.	<ul style="list-style-type: none"> – Insert a readable disc with the playback side facing down. – Check the disc type, color system and regional code. Check for any scratches or smudges on the disc. – Press SYSTEM MENU to turn off the setup menu screen. – Cancel the parental control rating function or change the rating level. – Moisture has condensed inside the system. Remove the disc and leave the system turned on for about an hour.
The DVD system does not respond when the buttons are pressed.	<ul style="list-style-type: none"> – Disconnect the power plug from the outlet and insert again.
The language for the sound or subtitle cannot be changed when playing a DVD.	<ul style="list-style-type: none"> – Multi-language sound or subtitle is not recorded on the DVD. – Changing the language for the sound or subtitle is prohibited on the DVD.
No image is output when a function is selected.	<ul style="list-style-type: none"> – Make sure the component is connected correctly. – Press the correct function button for the input source.
Considerable noise in radio broadcasts.	<ul style="list-style-type: none"> – Tune in the correct frequency. – Connect the antenna. – Route RF (AC-3) and digital cables away from the antenna terminals and wires. – Fully extend the FM wire antenna. Position for best reception and secure to a wall. – Connect an outdoor FM or MW antenna. – Adjust the direction and position for best reception. – Turn off the equipment causing the noise or move it away from the DVD system. – Place the antenna farther away from the equipment causing the noise.
The remote control does not function.	<ul style="list-style-type: none"> – Point the remote control at the remote sensor of the unit. – Reduce the distance to the player. – Remove any possible obstacles. – Replace the batteries with new ones. – Check that the batteries are loaded correctly.
The display is dark.	<ul style="list-style-type: none"> – Press DIM again.
Low hum or buzz sound.	<ul style="list-style-type: none"> – Place the DVD system as far away as possible from electric devices with interference.
Low bass response.	<ul style="list-style-type: none"> – Check all speakers for correct polarity.
The disc tray cannot open and "TRAY LOCKED" is displayed.	<ul style="list-style-type: none"> – Press and hold SOURCE and STOP buttons for more than two seconds.