

DVD Video player
DVD761



Let's make things better.



PHILIPS

Important Note

DK

Advarsel:

Laserrudstråling ved åbning når sikkerhesafbrydere er ude af funktion. Undgå u tsættelse for stråling.

Bemærk:

Netafbryderen POWER er sekundært indkoblet og afbryder ikke strømmen fra nettet. Den indbyggede netdel er derfor tilsluttet til lysnettet så længe netstikket sidder i stikkontakten.

N

Observer:

Nettbryteren POWER er sekundært innkoblet. Den innebygdenetdelen er derfor ikke frakoplet nettet så lenge apparatet er tilsluttet nettkontakten.

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S

Klass 1 laserapparat

Varning!

Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kann användaren utsättas för laserstrålning, som överskrider gränsen för läserklass 1.

Observera!

Strömbrytaren POWER är sekundärt kopplad och inte bryter strömmen från nätet. Den inbyggda nätdelen är därför ansluten till elnätet så länge stickproppen sitter i v ägguttaget.

SF

Luokan 1 laserlaite + Klass 1 laserapparat

Varoitus!

Laitteen käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle lasersäteilille.

Huom.

Toiminnanvalitsin POWER on kytketty toisiopuolelle, eikä se kytke laitetta irti sähköverkosta. Sisäänrakennettu verkko-osa on kytkettynä sähköverkkoon aina silloin, kun pistoke on pistorasiassa.

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Important Note for Users in the UK

Mains plug

This apparatus is fitted with an approved 13 Amp plug. To change a fuse in this type of plug proceed as follows:

- 1 Remove fuse cover and fuse.
- 2 Fix new fuse which should be a BS1362 5 Amp, A.S.T.A. or BSI approved type.
- 3 Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5 Amp. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

Note: The severed plug must be disposed of to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

How to connect a plug

The wires in the mains lead are coloured with the following code: blue = neutral (N), brown = live (L).

As these colours may not correspond with the colour markings identifying the terminals in your plug, proceed as follows:

- Connect the blue wire to the terminal marked N or coloured black.
- Connect the brown wire to the terminal marked L or coloured red.
- Do not connect either wire to the earth terminal in the plug, marked E (or e) or coloured green (or green and yellow).

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead - not simply over the two wires.

Copyright in the U.K.

Recording and playback of material may require consent. See Copyright Act 1956 and The Performer's Protection Acts 1958 to 1972.

Index

English -----	9
Français -----	31
Español -----	54
Deutsch -----	77
Nederlands -----	100
Italiano -----	122
Svenska -----	144
Dansk -----	166
Suomi -----	188
Português -----	210
Ελληνικά -----	232

- English
- Français
- Español
- Deutsch
- Nederlands
- Italiano
- Svenska
- Dansk
- Suomi
- Português
- Ελληνικά

General Information

The region code for this set is 2.



Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and discs can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not play, and should be unloaded.

NOTE:
PICTURES SHOWN MAYBE DIFFERENT BETWEEN COUNTRIES.

CAUTION
(WARNING LOCATION: INSIDE ON LASER COVERSIELD OR THE BACKPLATE OF SET)

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

CE The DVD-VIDEO player is in conformity with the EMC directive and low-voltage directive.

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by **SRS** (●)®

For Customer Use:

Read carefully the information located at the bottom of your DVD-VIDEO player and enter below the Serial No. Retain this information for future reference.

Model No. DVD-VIDEO

Serial No. _____

Laser safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

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

LASER

Type	Semiconductor laser GaAlAs
Wave length	650 nm (DVD) 780 nm (VCD/CD)
Output Power	7 mW (DVD) 10 mW (VCD/CD)
Beam divergence	60 degree

CAUTION

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM

ADVARSEL

SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING
UNDGÅ UDSÆTTELSE FOR STRÅLING

ADVARSEL

SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL
ÅPNES UNNGÅ EKSPONERING FOR STRÅLEN

VARNING

SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR
DENNA DEL ÄR ÖPPNAD BETRakta EJ STRÅLEN
VARO!

AVATTAESSA OLET ALTTIINA NÄKYVÄLLE JA
NÄKYMÄTTÖMÄLLE LASER SÄTEILYLLE. ÄLÄ KATSO
SÄTEESEEN

VORSICHT

SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG
WENN ABDECKUNG GEÖFFNET NICHT DEM
STRAHL AUSSETZEN

DANGER

VISIBLE AND INVISIBLE LASER RADIATION WHEN
OPEN AVOID DIRECT EXPOSURE TO BEAM

ATTENTION

RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS
D'OUVERTURE EXPOSITION DANGEREUSE AU
FAISCEAU

Universal Remote Control Setup Codes

Activating the Remote Control Setup Code for Compatible TVs

- Press and hold both RETURN and OK buttons on the remote control for 3 seconds and release.
- Immediately key-in the selected code from the list below (The list may not be applicable for each and every TV brand listed.)

Activation du code d'installation de la télécommande pour les téléviseurs compatibles

- Appuyez sur les touches RETURN et OK sur la télécommande et maintenez-les enfoncées pendant 3 secondes et relâchez-les ensuite.
- Tapez immédiatement le code repris dans la liste ci-dessous (il se peut toutefois que cette liste ne s'applique pas à toutes les marques de téléviseurs mentionnées).

Activación del código de configuración del mando a distancia para televisores compatibles

- Mantenga pulsados al mismo tiempo los botones RETURN y OK del mando a distancia durante tres segundos, y libérelas.
- Inmediatamente teclee el código correspondiente de la siguiente lista (la lista puede que no sea aplicable a todas y cada una de las marcas incluidas en la misma).

Aktivieren des Fernbedienungs-Setup-Codes für kompatible Fernsehgeräte

- Die Tasten RETURN und OK auf der Fernbedienung gleichzeitig 3 Sekunden gedrückt halten und wieder loslassen.
- Unmittelbar danach den gewünschten Code aus der unten stehenden Liste eingeben (Die Liste kann u.U. nicht auf jede Fernsehgerätemarke zutreffen).

Instellen van de afstandsbediening voor uw tv

- Houd de toetsen RETURN en OK op de afstandsbediening gedurende 3 seconden gelijktijdig ingedrukt en laat ze daarna los.
- Toets direct de uit onderstaande lijst geselecteerde code in (de lijst bevat wellicht niet alle tv-merken).

Attivazione del codice di impostazione del telecomando per i televisori compatibili

- Tenere premuti per 3 secondi i tasti RETURN (INVIO) e OK e quindi rilasciarli.
- Subito dopo inserire tramite i tasti il codice selezionato dall'elenco seguente (è possibile che l'elenco non sia applicabile per tutte le singole marche di televisori indicate).

Aktivering av Fjärrkontrollens installationskod för kompatibla TV-apparater

- Tryck ner och håll kvar både RETURN- och OK-knappen på fjärrkontrollen i 3 sekunder och släpp.
- Knappa omedelbart in den valda koden från nedanstående lista (Listan gäller eventuellt inte varje upptaget TV-märke.)

Aktivering af opsætningskoden til fjernbetjening for kompatible fjernsyn

- Tryk på og hold både knappen RETURN og knappen OK på fjernbetjeningen nede i 3 sekunder og slip derefter knapperne.
- Indtast direkte den valgte kode fra nedenstående liste. (Det er muligt, at listen ikke gælder for hver eneste fjernsynsmærke, der er anført på listen.)

Yhteensopivien televisioiden asetuskoodin aktivointi kauko-ohjaimen

- Paina kauko-ohjaimen RETURN- ja OK-painikkeita yhtä aikaa ja pidä ne painettuina 3 sekunnin ajan. Vapauta painikkeet.
- Näppäile välittömästi alla olevasta luettelosta valittu koodi. (Luettelo ei mahdollisesti sovellu kaikille mainituille TV-merkeille.)

Activar o Código de Configuração do Controlo Remoto para Televisores Compatíveis

- Prima e deixe as teclas RETURN e OK do controlo remoto premidas, durante 3 segundos, e, depois, liberte.
- Introduza imediatamente o código seleccionado da seguinte lista (é possível que a lista não abranja a totalidade das marcas de televisores enumeradas)

Ενεργοποίηση του Κωδικού Ρύθμισης του Τηλεχειριστηρίου για Συμβατές Τηλεοράσεις

- Πατήστε και κρατήστε πατημένα τα κουμπιά RETURN και OK του τηλεχειριστηρίου για 3 δευτερόλεπτα και μετά αφήστε τα.
- Αμέσως πληκτρολογήστε τον επιλεγμένο κωδικό από τον ακόλουθο κατάλογο (ο κατάλογος μπορεί να μην ισχύει για κάθε μάρκα τηλεόρασης που αναγράφεται).

AOC	046, 057
Acura	036
Admiral	120, 190
Adyson	244
Aiko	119
Akai	036, 057, 235, 245
Akura	245, 291
Alaron	206, 243
Alba	036, 063, 064, 245, 398
Allorgan	321
Amplivision	244
Amstrad	036, 064, 198, 398, 439
Anam	036, 095, 188, 207, 277
Anam National	188, 277
Anitech	036, 095
Arcam	243, 244
Asuka	245
Atlantic	233
Audinac	418
Audiosonic	064, 136
Audiovox	119, 207, 478
Autovox	233, 363
Awa	184
BPL	309
BSR	321
BTC	245
Baird	370
Bang & Olufsen	592, 647
Basic Line	036, 245
Baur	037, 064, 581
Baysonic	207
Beko	397
Belcor	046
Bell & Howell	043, 181
Beon	064
Binatone	244
Blaupunkt	218, 222, 227, 354, 355, 581
Blue Sky	245
Blue Star	309
Bondstec	274
Boots	244
Bradford	207
Brandt	136, 223, 225, 360, 362
Britannia	243
Brockwood	046
Broksonic	263, 490
Bush	036, 063, 064, 245, 309, 321, 398, 401
CCE	064, 244
CGE	274, 333
CS Electronics	243
CTC	274
CXC	207
Candle	057, 083, 213
Carnivale	057
Carrefour	063
Carver	081, 197
Cascade	036
Cathay	064
Celebrity	027
Centurion	064
Cimline	036
Cineral	119, 478
Citizen	057, 066, 083, 087, 119, 213
Clarivox	064
Clatronic	274, 397
Concerto	083

Condor	347, 397
Contec	036, 063, 184, 207, 243
Continental Edison	223, 225, 360
Craig	188, 207
Crosley	081
Crown	036, 064, 066, 207, 397, 445
Crystal	458
Curtis Mathes	043, 057, 066, 074, 078, 081, 083, 087, 120, 172, 181, 193, 478
Cybertron	245
Daewoo	036, 046, 064, 066, 119, 181, 401, 418, 478
Dainichi	242, 245
Dansai	064
Dayton	036
Daytron	046
De Graaf	235
Decca	064, 099
Denon	172
Dixi	036, 064
Dual	363
Dual Tec	244
Dumont	044, 046, 097
ECE	064
Ectec	418
Elbe	286
Electroband	027
Electrohome	436
Elin	064
Elite	245, 347
Elta	036
Emerson	046, 066, 181, 205, 206, 207, 263, 309, 490
Envision	057
Erres	039, 064
Etron	036
Expert	233
Ferguson	064, 136, 265, 314, 362, 370
Fidelity	243
Finlandia	235
Finlux	064, 097, 099, 132, 206
Firstline	321, 036, 243, 244, 274, 348
Fisher	181, 235, 244, 330, 397
Flint	482
Formenti	064, 347
Fortress	120
Frontech	190, 274, 291, 458
Fujitsu	206, 099, 233
Funai	198, 206, 207, 291, 321, 330
Futuretech	207
GE	048, 074, 078, 120, 205, 309, 478
GEC	064, 099, 244
GPM	245
Geloso	036
General	213
Genexxa	190, 245
Gibraltar	044, 046, 057
GoldStar	046, 057, 064, 066, 083, 136, 205, 244, 317, 436
Goodmans	063, 064, 099, 206, 244, 344, 370, 398, 401
Gorenje	397
Gradiente	080, 083, 197
Graetz	190
Granada	064, 099, 235, 244, 366
Grandin	309

Grundig	064, 097, 218, 222, 581
Grunpy	206, 207
HCM	036, 309, 439
Hallmark	205
Hanseatic	064, 347, 583
Harley Davidson	206
Harman/Kardon	081
Harvard	095, 207
Hinari	036, 063, 064, 206, 245
Hisawa	309, 482
Hitachi	225, 063, 071, 083, 132, 136, 172, 190, 223, 244, 252, 333, 436
Huanyu	243, 401
Hypson	064, 291, 309
ICE	244, 291, 398
ICeS	245
ITS	398
ITT	190
Imperial	274, 397, 445
Indiana	064
Infinity	081
Ingelen	190
Inno Hit	099
Inteq	044
Interbuy	095
Interfunk	064, 190, 274
Intervision	064, 095, 129, 244, 291
Isukai	245
JBL	081
JCB	027
JVC	063, 080, 096, 121, 187, 398
KEC	207
KTV	057, 066, 207, 244
Kaisui	036, 243, 244, 245, 309
Kamp	243
Kapsch	190, 233
Kathrein	583
Kawasho	243
Kendo	064
Kenwood	046, 057
Kingsley	243
Kneissel	286
Korpel	064
Koyoda	036
LG	083
LXI	074, 081, 181, 183, 205
Leyco	064, 099, 291, 321
Liesenk & Tter	064
Logik	043
Luma	233
Luxman	083
M Electronic	036, 064, 095, 132, 136, 190, 244, 314, 401
MGA	046, 057, 177, 205
MTC	046, 057, 083, 087, 243
Magnadyne	129, 274
Magnafon	129
Magnavox	057, 063, 081, 206, 213
Majestic	043
Manesth	244, 291, 347
Marantz	057, 064, 081, 583
Mark	064
Maruman	418
Matsui	036, 062, 063, 064, 099, 235, 244, 321, 398
Matsushita	277

Mediator	039, 064
Megatron	172, 205
Memorex	036, 043, 083, 177, 181, 205, 277
Memphis	364
Midland	044, 066, 074, 078
Minerva	097, 581
Minoka	439
Minutz	048
Mitsubishi	046, 063, 120, 135, 177, 205
Mivar	243, 317, 318, 319
Motorola	120
Multitech	036, 129, 207, 243, 244
NAD	183, 193, 205
NEC	046, 057, 063, 083, 197, 482
NEI	064, 364, 458
NTC	119
National	253
Neckermann	064, 218, 581, 583
Nesco	206
Nicamagic	243
Nikkai	062, 064, 099, 243, 245, 291, 364
Nikko	057, 119, 205, 344
Nisato	418
Noblisko	129
Nordmende	136, 223, 225, 314, 370
Oceanic	190, 242
Onwa	207
Optimus	181, 193, 277
Optonica	120, 192
Orion	321, 064, 206, 263, 347, 348, 490
Osaki	099, 244, 245, 291, 439
Oso	245
Osume	099, 184
Otake	344
Otto Versand	037, 063, 064, 218, 244, 347, 370, 581, 583
Palladium	397, 445
Panama	244, 291
Panasonic	078, 153, 188, 190, 253, 277
Pathe Cinema	243, 265, 347
Pathe Marconi	223, 225, 360
Pausa	036
Penney	046, 048, 057, 066, 074, 078, 083, 087, 183, 205
Perdio	347
Philco	046, 057, 081, 172, 274, 490
Philips	039, 064, 081, 401, 581, 583
Phonola	039, 064
Pilot	046, 057, 066
Pioneer	136, 190, 193, 314
Portland	046, 066, 119
Prism	078
Profex	036
Proline	348
Proscan	074
Protech	036, 064, 129, 244, 274, 291, 364, 445, 458
Proton	205
Pulsar	044, 046
Pye	039
Quasar	078, 192, 277
Quelle	037, 064, 097, 227, 333, 354, 355, 581
Questa	063
R-Line	064
RBM	097
RCA	046, 074, 078, 117, 120
Radio Shack	046, 057, 066, 074, 083, 181, 192, 205, 207, 436

Radiola	039, 064
Rank Arena	063
Realistic	046, 057, 066, 083, 181, 192, 205, 207
Revox	064
Rex	190, 233, 286, 291
Rhapsody	243
Roadstar	036, 245, 291, 445
Runco	044, 057
SBR	039, 064
SEG	063, 244, 291
SEI	129, 321
SSS	046, 207
Saba	136, 190, 223, 225, 314, 362, 370
Saccs	265
Saisho	036, 291, 458
Salora	190
Sambers	129
Sampo	057, 066
Samsung	036, 046, 057, 064, 066, 083, 087, 117, 205, 244, 291, 317, 397, 583
Samsux	066
Sandra	243
Sansei	478
Sansui	490
Sanyo	063, 099, 181, 184, 235, 366
Schneider	064, 245, 274, 330, 363, 398
Scimitsu	046
Scotch	205
Scott	046, 205, 206, 207, 263
Sears	074, 081, 083, 181, 183, 198, 205, 206
Sei-Sinudyne	037
Seleco	190, 233, 286
Semivox	207
Semp	183
Sentra	062
Sharp	063, 066, 120, 184, 192
Shogun	046
Shorai	321
Siarem	129
Siemens	064, 184, 218, 222, 227, 354, 355, 581
Signature	043
Silver	063
Simpson	213
Sinudyne	129, 321
Sky-Worth	064
Solavox	190
Sonitron	235
Sonoko	036, 064
Sonolor	190, 235, 242
Sontec	064
Sony	027, 037, 063
Soundesign	205, 206, 207, 213
Soundwave	064, 445
Squareview	198
Standard	036, 244, 245
Starlite	207
Stern	190, 233, 286

Sunkai	321, 348
SuperTech	243
Supra	083
Supreme	027
Susumu	245
Sylvania	057, 081
Symphonic	198
Sysline	064
TMK	083, 205
Tandy	066, 099, 120, 190, 244, 245
Tashiko	063, 244
Tatung	064, 099, 244
Tec	244, 274
Technema	347
Technics	078, 277
Technol Ace	206
Techwood	078, 083
Teknika	043, 046, 066, 081, 083, 087, 119, 177, 206, 207, 213
Teleavia	360, 0370
Telefunken	083, 136, 333, 362, 370
Telemeister	347
Teletech	036
Teleton	213, 233, 244
Tensai	245, 321, 344, 347
Texet	243, 245
Thomson	136, 223, 225, 314, 360, 370
Thorn	062, 064, 099, 370
Tomashi	309
Toshiba	062, 063, 087, 097, 181, 183, 270
Totevision	066
Trical	184
Triumph	270
Uher	233, 330, 347
Ultra	418
Ultravox	129
Universum	064, 132, 291, 397
Vector Research	057
Vestel	064
Victor	063, 080, 187, 277
Videosat	274
Videotechnic	244
Vidikron	081
Vidtech	046, 063, 205
Vision	347
Voxson	190
Waltham	244
Wards	043, 046, 048, 057, 081, 083, 192, 205, 206
Watson	064, 347
Watt Radio	129
Wega	063
White Westinghouse	064, 243, 347
Yamaha	046, 057
Yoko	064, 244, 291, 458
Zanussi	233
Zenith	043, 044, 119

Introduction

Philips DVD-Video Introduction	10
Unpacking	10
Safety Information	10
Cleaning Discs	10

Functional overview

Front panel	11
Rear panel	12
Display	13
Remote control	14

On-screen display information

Menu bar/Status window	15
Status window icons	15
Default screen	15
Temporary feedback field icons	15

Preparation

General notes	16
Connecting to a TV	16
Connecting to optional equipment	16-17
Remote Control battery installation	17
NTSC/PAL Settings	17
General explanation	18
Turning on the power	18
Initial Setup	18-19
Personal Preferences	19-20
Access Control: child lock	21
Access Control: parental control	21-22

Operation

Loading discs	23
Playing a DVD-Video disc	23
Playing a Video CD	23
General Features	23-25
Special DVD features	26
Special VCD features	26
Playing an Audio CD	26-27
FTS Program	27

Before requesting service

Before requesting service	28
---------------------------------	----

Appendix

Speaker Settings	29
------------------------	----

Specifications

Specifications	30
----------------------	----

Introduction

Philips DVD-Video Introduction

Your Philips DVD-Video player will play digital video discs conforming to the universal DVD-Video standard. With it, you will be able to enjoy full-length movies with true cinema picture quality, as well as stereo or multi-channel sound (depending on the disc and your playback setup). The unique features of DVD-Video, such as selection of sound track, subtitle languages and different camera angles (again depending on the disc), are all included. What's more, Philips Child Lock lets you decide which discs your children will be able to see.

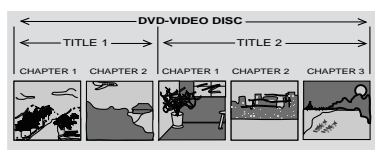
In addition to DVD-Video discs, you will be able to play all Video CDs and Audio CDs (including finalized CD Recordable and CD Rewritable).

You will find the On-Screen Display, player display, and remote control make the player easy to use. This manual provides all the information you will need, so read on!

DVD-Video

You will recognize DVD-Video discs by the logo shown.

Depending on the material on the disc (a movie, video clips, a drama series, etc.) the disc may have one or more Titles.



Video CD

You will recognize Video CDs by the logo shown.



Audio CD

Audio CDs contain music tracks only. You will recognize Audio CDs by their logo which is shown.



Unpacking

First check and identify the contents of your DVD-Video player package.

You should have the following items.

- DVD-Video player
- Remote Control with batteries
- AC power cord
- Audio cable
- Video cable
- SCART cable
- Instructions for use

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

Keep the packaging materials; you may need them to transport your player in the future.

Safety Information

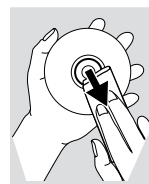
- Do not expose the system to excessive moisture, rain, sand or heat sources.
- Place the player on a firm, flat surface.
- Keep the player away from domestic heating equipment and direct sunlight.
- In a cabinet, allow about 2.5 cm (1 inch) of free space all around the player for adequate ventilation.
- If the DVD-Video player cannot read CDs/DVDs correctly, use a commonly available cleaning CD/DVD to clean the lens before taking the DVD-Video player to be repaired. Other cleaning methods may destroy the lens. Always keep the tray closed to avoid dust on the lens.
- The lens may cloud over when the DVD-Video player is suddenly moved from cold to warm surroundings. Playing a CD/DVD is not possible then. Leave the DVD-Video player in a warm environment until the moisture evaporates.

Cleaning discs

Some problems occur because the disc inside the player is dirty. To avoid these problems clean your discs regularly, in the following way:

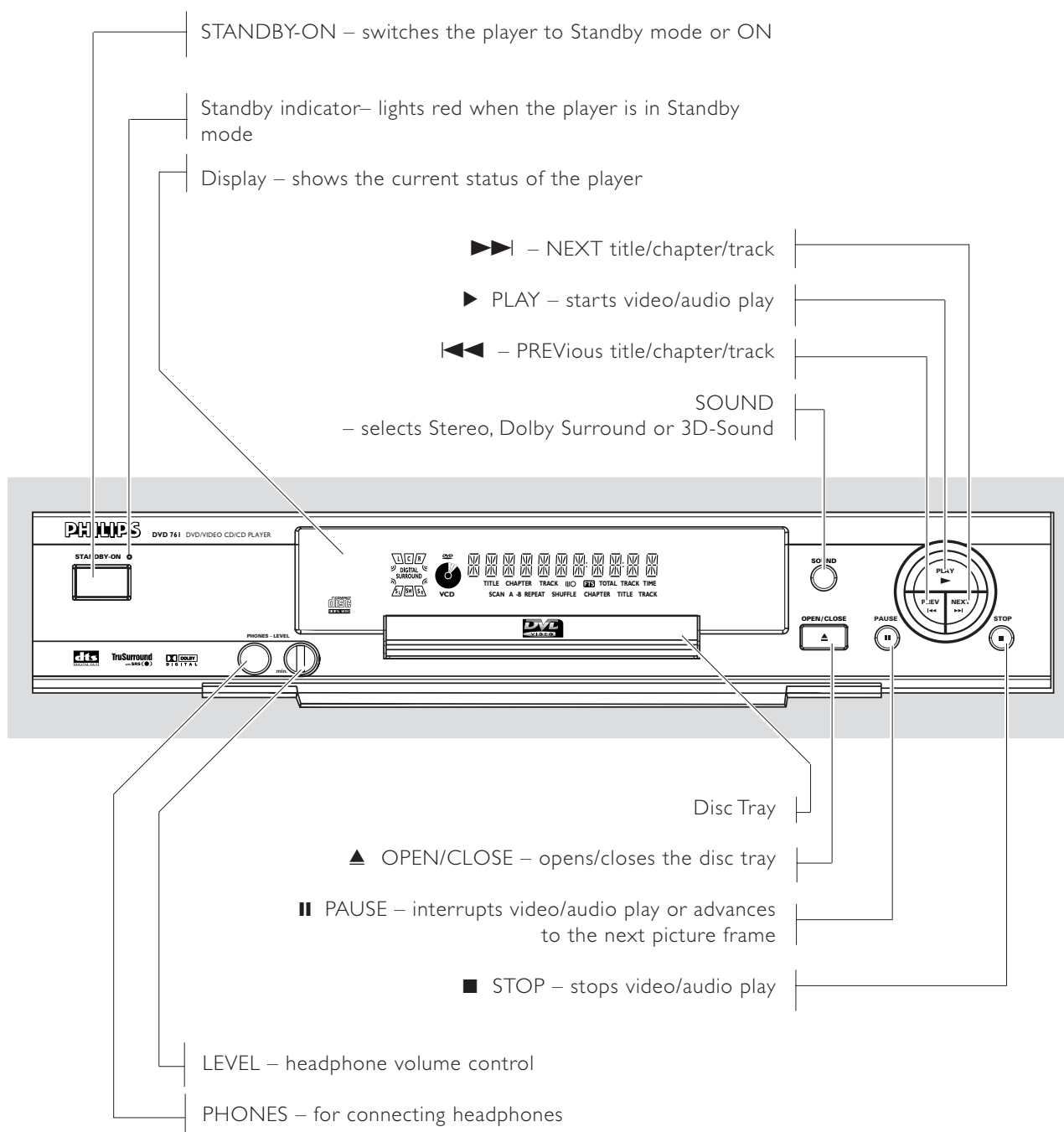
- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out.

Caution: Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for analog discs.

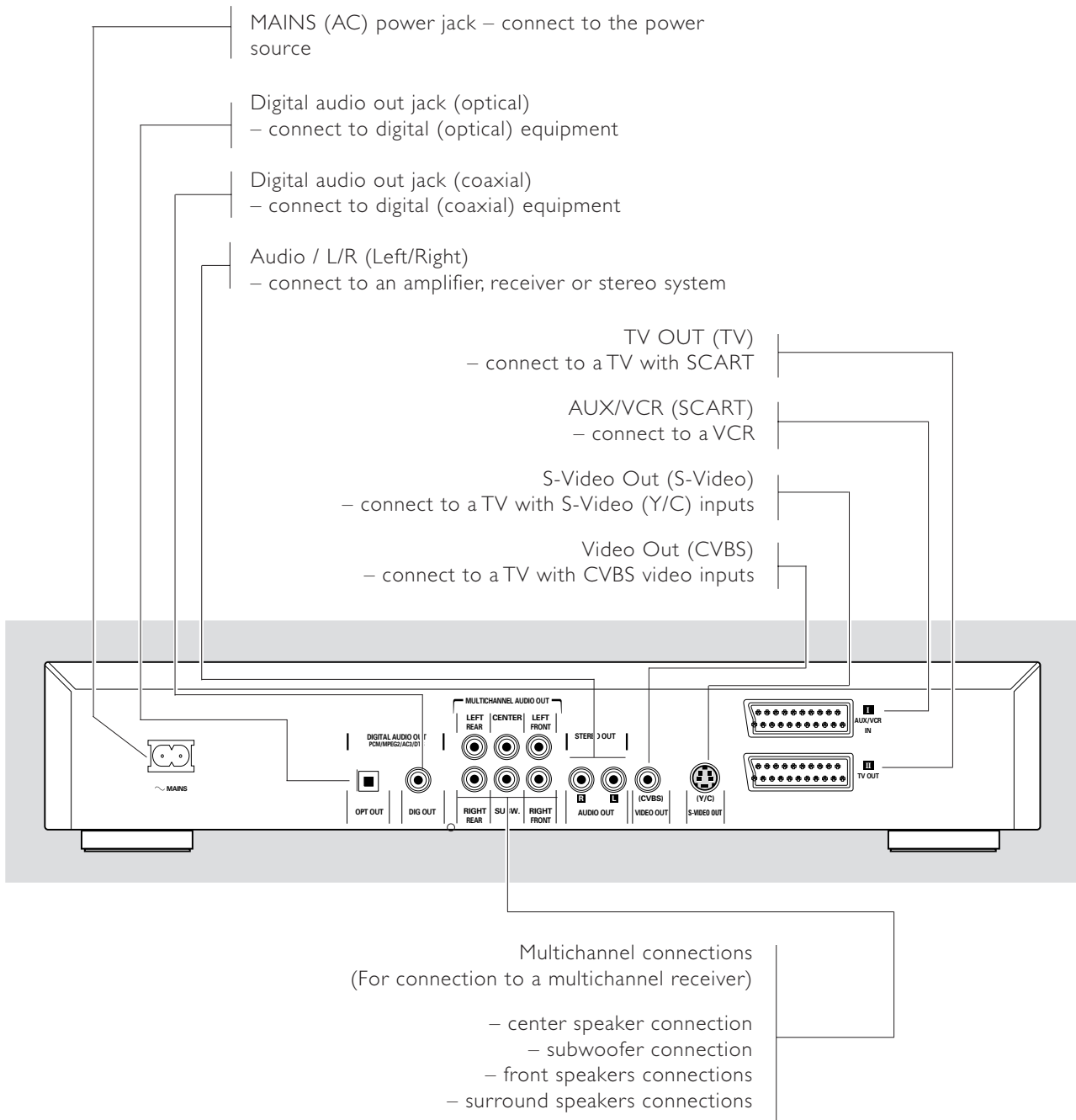


Functional Overview

Front panel

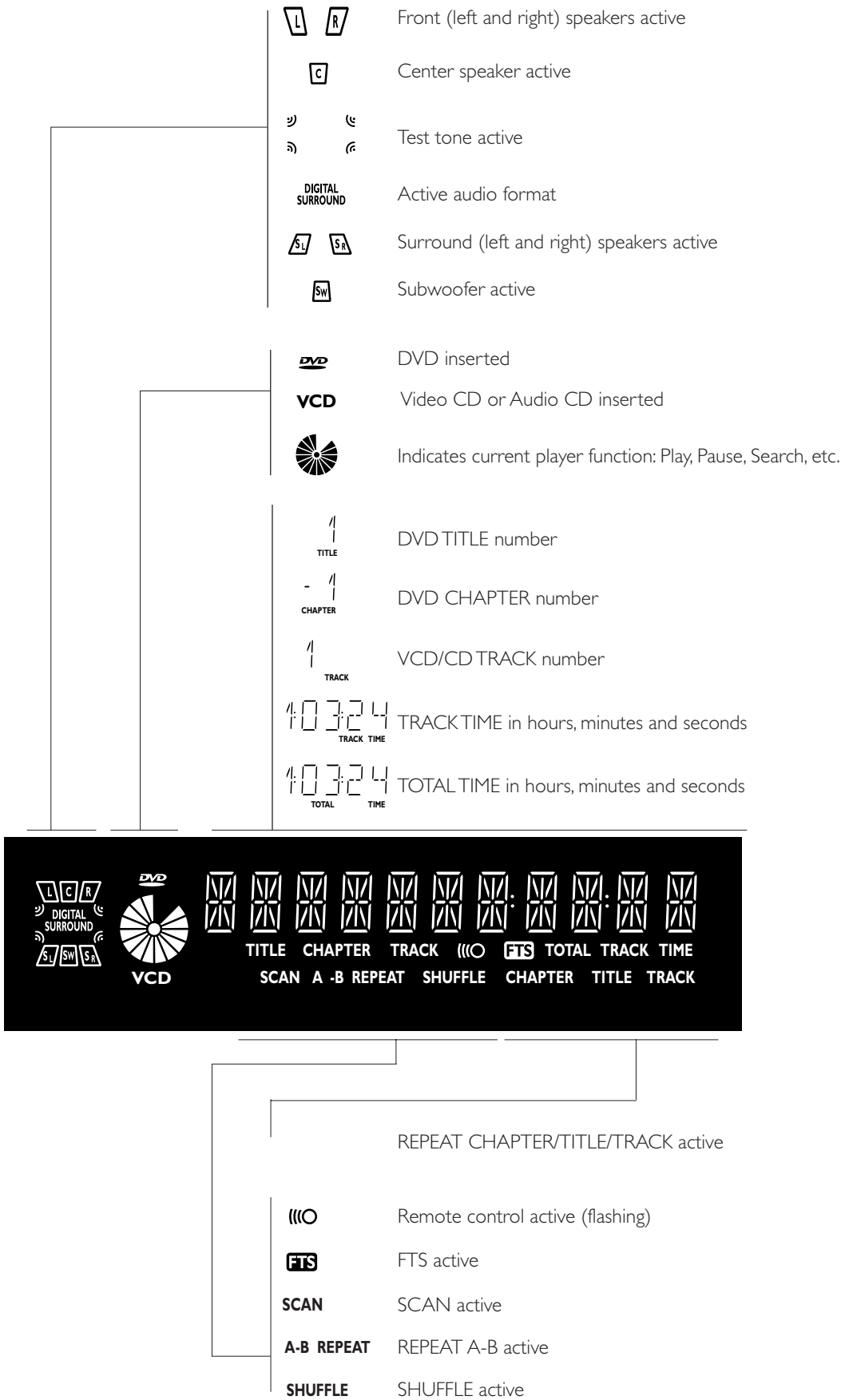


Rear panel



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

Display



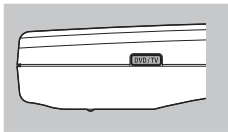
Remote control (Universal)

TV MUTE

- DVD-mode: selects Stereo, Dolby Surround, 3D Sound reproduction
- TV-mode: mute ON/OFF

DVD/TV switch

- DVD mode/TV mode selector^{**}



0-9 numerical key pad

RETURN

- go back to previous menu

OK

- acknowledge menu selection



- search backward* / previous chapter or track



- play



- search forward* / next chapter or track



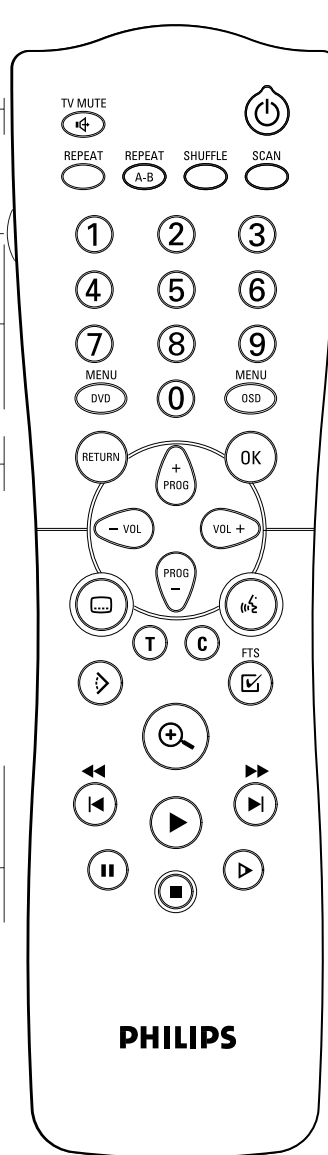
- pause playback temporarily / frame-by-frame playback



- stop



- slow motion



STANDBY-ON

REPEAT

- repeat chapter; track, title, disc

REPEAT A-B

- repeat sequence

SHUFFLE

- playback tracks in random order

SCAN

- playback of the first 10 seconds of each chapter within a title (DVD) or the first 10 seconds of each track on a disc (VCD/CD)

MENU DVD

- access menu of a DVD

MENU OSD

- access or remove On-screen display
- bit rate indicator*

PROG +/-

- DVD mode: up/down cursor movement
- TV mode: Program up/down

VOL +/-

- DVD mode: left/right cursor movement
- TV mode: Volume up/down



- subtitle language selector



- audio language selector

T

- select title

C

- select chapter



- activate FTS



- select DVD camera angle



- enlarge video image

* Press key for about 2 seconds

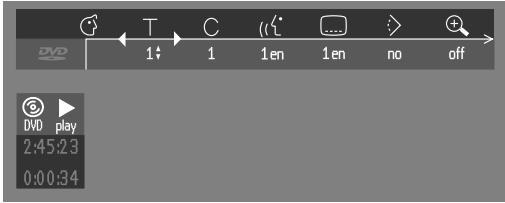
** Press and hold while you press mute/VOL/PROG keys for compatible TVs

Please refer to list of Universal Remote Control Setup Codes

On Screen Display Information

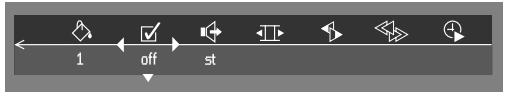
Menu bar/Status window

- Personal Preferences
- Title/Track
- Chapter/Index
- Audio language
- Subtitle language
- Angle
- Zoom
- Color Settings (Smart Picture)
- Video Program
- Sound
- Picture by Picture
- Slow motion
- Fast motion
- Time search



Status window icons

The status window displays the current status of the player and appears with the first part of the menu bar. (You must activate this in the Features Menu - see Personal Preferences for details).



General

- Disc type
- no disc
 - DVD
 - VCD
 - error
- Tray status
- opening
 - opening
 - opening
 - opened
 - closing
 - closing
 - closing
 - blocked

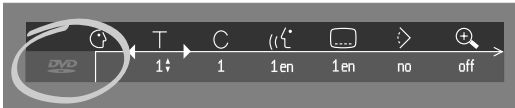
Default screen

The default screen is displayed when the player is in STOP mode. It may contain a 'Status Window' and a 'Temporary Feedback Field'. This gives information concerning prohibited actions, playback modes, available angles, etc.



Temporary Feedback Field icons

- scan
- Repeat All
- Repeat Title
- Repeat Track
- Repeat Chapter
- Shuffle
- Shuffle Repeat
- A-
- Repeat A to end
- A-B
- Repeat A-B
- Angle
- Child Lock On
- Child Safe
- Resume
- Action prohibited



Preparation

General notes

- Depending on your TV and other equipment you wish to connect, there are various ways you could connect the player. Possible connections are shown in the following drawings.
- Please refer to the manuals of your TV, VCR, Stereo System or other devices as necessary to make the best connections.
- Do not connect your DVD-player via your VCR. The video quality could be distorted by the copy protection system.
- For better sound reproduction, connect the player's audio out jacks to the audio in jacks of your amplifier; receiver, stereo or A/V equipment. See 'Connecting to optional equipment'.

Caution: Do not connect the player's audio out jack to the phono in jack of your audio system.

Connecting to a TV

- 1 Connect the SCART to the corresponding connector on the TV using the SCART cable supplied **(A)**.

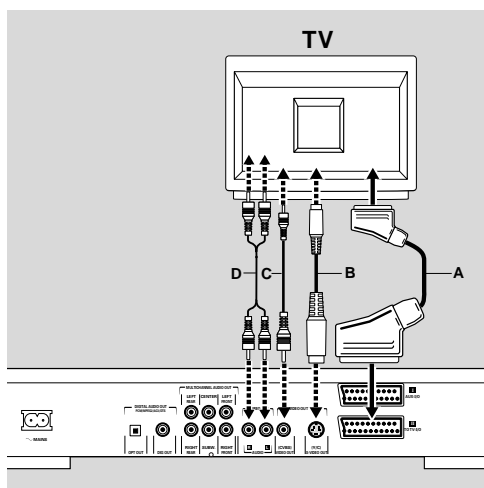
If your TV is not equipped with a SCART you can select one of the following alternative connections:

S-Video (Y/C) connection

- 1 Connect the S-Video jack on the DVD-player to the S-Video in jack on the TV using an optional S-Video cable **(B)**.
- 2 Connect the audio Left and Right out jacks to the audio left/right in jacks on the TV **(D)**.

Video CVBS connection

- 1 Connect the Video out (CVBS) jack to the video in jack on the TV using the video cable supplied **(C)**.
- 2 Connect the audio Left and Right out jacks to the audio left/right in jacks on the TV **((D))**.



Connecting to optional equipment

Connecting to an amplifier equipped with two channel analog stereo

- 1 Connect the audio Left and Right out jacks of the DVD player to the audio left and right in jack on your amplifier; receiver or stereo system, using the optional audio cable **(E)**.

Connecting to an amplifier equipped with two channel digital stereo (PCM)

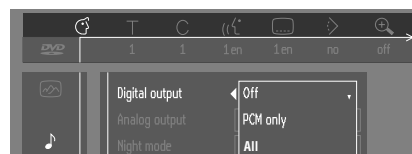
- 1 Connect the player's digital audio out jack (optical **G** or coaxial **F**) to the corresponding in jack on your amplifier. Use an optional digital (optical **G** or coaxial **F**) audio cable.
- 2 You will need to activate the player's digital output (see 'Personal Preferences').

Connecting to an A/V receiver equipped with a multi-channel decoder (Dolby Digital™ (AC-3), MPEG 2 and DTS)

Digital Multi-channel sound

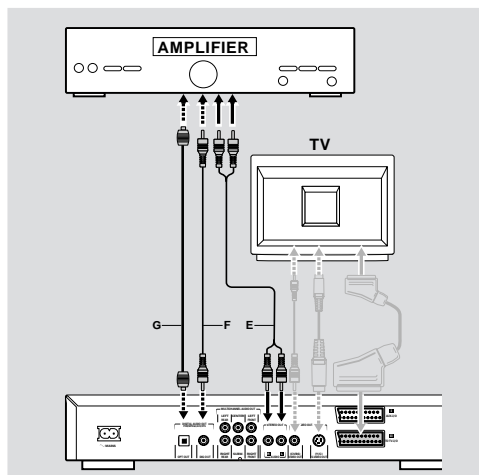
Digital multi-channel connection provides the best sound quality. For this you need a multi-channel A/V receiver that supports one or more of the audio formats supported by your DVD player (MPEG 2, Dolby Digital™ (AC-3) and DTS). Check the receiver manual and the logos on the front of the receiver.

- 1 Connect the DVD player's digital audio output (optical **G** or coaxial **F**) to the corresponding input on the receiver using an optional digital (optical **G** or coaxial **F**) audio cable.
- 2 You will need to activate the player's digital output (see 'Personal Preferences').



Note:

- If the audio format of the digital output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.
- The selected audio format of the DVD is displayed in the Status Window when the Menu OSD is activated or Audio button is activated.
- Six Channel Digital Surround Sound via digital connection can only be obtained if your receiver is equipped with a Digital Multi-channel decoder.
- To see the selected audio format of the current DVD in the Status Window, press the MENU OSD or the Audio Language selector button.



Cinemalink (on SCART)

This DVD player is equipped with cinemalink feature (from Philips) which allows a more complete control of your home audio/video (AV) equipment.

Cinemalink interconnection plug & play will enable the AV system to recognise the users intention and automatically switch the necessary controls or input source accordingly. This will reduce the necessity of having multiple control inputs for all AV equipments (eg. TV and Amplifier).

Analog connection to a multi-channel A/V receiver with 6 CH connectors

This DVD player contains a multi-channel decoder. This enables playback of DVDs recorded in Multi-channel Surround without the need for an optional decoder.

- 1 Connect the audio out jacks for Center speaker and Subwoofer connection (**I**) to the corresponding in jacks on your receiver.

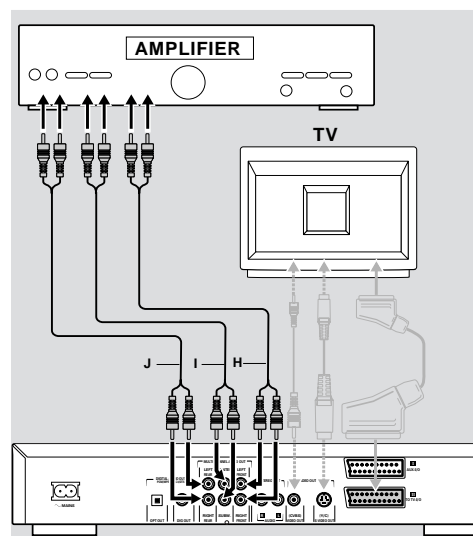
Note:

- If the subwoofer is equipped with its own amplifier, the Subwoofer connection should be connected to the subwoofer directly.

Connect the audio Left and Right out jacks for Front speaker connection (**H**) to the corresponding in jack sockets on your receiver.

Connect the audio Left and Right out jacks for Surround speaker connection (**J**) to the corresponding in jacks on your receiver.

- 2 Make the appropriate Sound settings for Analog Output and Speaker Settings in the Personal Preferences menu.



Connecting to an amplifier equipped with Dolby Surround™

Dolby Surround sound

- 1 Connect the player to the TV, then connect the player's audio Left and Right out jacks to the corresponding in jacks on the Dolby Surround™ Audio/Video receiver; using the audio/video cable supplied (**D**).

If your amplifier is equipped with a Dolby Digital™ decoder,

- Connect the player as described in 'Connecting to an A/V receiver with multi-channel decoder'.

If your TV is equipped with a Dolby Surround™ decoder,

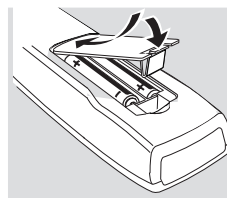
- Connect the player to the TV as described in 'Connecting to a TV'.

Remote control battery installation

Loading the batteries

- 1 Open the battery compartment cover.
- 2 Insert batteries as indicated inside the battery compartment.
- 3 Close the cover.

Caution: Do not mix old and new batteries. Never mix different types of batteries (standard, alkaline, etc.)



NTSC/PAL Settings

You can switch the NTSC/PAL setting of the DVD player to match the video signal of your TV. This setting only affects the television's on-screen display that shows the stop and setup modes. You may select either NTSC or PAL. To change the DVD player setting to PAL or NTSC, follow the steps below.

- 1 Unplug the DVD player from the mains.
- 2 Press and hold ■ and ►►I on the front of the DVD player. While holding ■ and ►►I, plug in the mains.
- 3 After PAL or NTSC appears on the display panel of the DVD player, release ■ and ►►I at the same time. The PAL or NTSC that appears on the display panel indicates the current setting.
- 4 To change the setting, press ►►I within three seconds. The new setting (PAL or NTSC) will appear on the display panel.

General explanation

About this manual

This manual gives the basic instructions for operating this DVD player. Some DVDs require specific operation or allow only limited operation during playback. In these cases, the player may not respond to all operating commands. When this occurs, please refer to the instructions contained with the DVD. When the symbol ✕ appears on the TV screen, the operation is not permitted by the player or the disc.

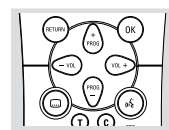
Remote control operation

- Unless otherwise stated, all operations can be carried out with the remote control. Always point the remote control directly at the player, making sure there are no obstructions in the path of the infrared beam. When there are corresponding keys on the front panel of the player, they can also be used.

Menu bar operation

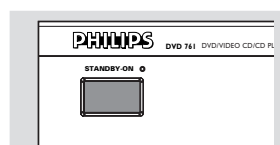
- A number of operations can be carried out via the menu bar on the screen. The menu bar can be accessed by pressing any of the following keys on the remote control: MENU OSD, T, C, Angle, Audio Language, Subtitle Language and Zoom.
- Pressing MENU OSD while the menu bar is displayed will clear the menu bar from the screen.
- When selecting an item in the menu bar, the selected item will be highlighted and the appropriate cursor keys to operate this item will be displayed below the icon.

- < or > indicates that more items are available at the left/right of the menu bar. Press ◀ or ▶ to select these items.



Turning On the power

- 1 Switch on the TV and select the video input channel for your DVD-Video player.
- 2 Press STANDBY-ON button.



Initial Setup (Virgin Mode)

General

In 'Initial Setup' you may have to set your preferences for some of the player's features. *(not applicable for all models)*

Operation

After switching on the player for the very first time, the 'Initial Setup Screen' will appear. The menu for the first item to be set is displayed and the first option is highlighted.

- Use the ▼▲ keys to go through the options in the menu. The icon of the selected option will be highlighted.
- Use OK to confirm your selection and to go to the next menu.

Note:

- Preferences have to be set in the order in which the item menus will appear on the screen.
- The 'Initial Setup' screen will only disappear after the settings for the last item have been confirmed.
- If any keys other than ▼▲ or OK are pressed, ✕ will appear on the screen.
- If the player is switched off while setting personal preferences, all preferences have to be set again after switching the player on again.

The following items may have to be set in Initial Setup:

Menu language

You can choose from different languages. The On Screen Menus will be displayed in the language you choose.

Audio language

You can choose from different languages. The sound will be in the language you choose if it is available on the disc in play. If the language you select is not available, speech will revert to the first spoken language on the disc.

Subtitle language

You can choose from different languages. The subtitles will be in the language you choose if it is available on the disc in play. If the language you select is not available, subtitles will revert to the first subtitle language on the disc.



TV Shape

If you have a wide screen (16:9) TV, select 16:9.

If you have a regular (4:3) TV, select 4:3.

If you have a 4:3 TV, you can also select between:

Letterbox for a 'wide-screen' picture with black bars top and bottom, or Pan Scan, for a full-height picture with the sides trimmed. If a disc has Pan Scan, the picture then moves (scans) horizontally to keep the main action on the screen.

Country

Select your country. This is used as input for the 'Parental Control' feature (see 'Access Control').






Note:

— All these items may have to be set during 'Initial Setup'. After that, they can always be changed in the Personal Preferences Menu.

Personal Preferences

You can set your personal preferences for some of the player features.

General operation:

- Press MENU OSD on the remote control.
 - Select  in the menu bar.
→ The Personal Preferences menu appears.
 - Use the     keys to toggle through the menus, submenus and submenu options.
→ When a menu item is selected, the cursor keys (on the remote control) to operate the item are displayed next to the item.
 - Press OK to confirm and return to the main menu.
- The following items can be adapted:

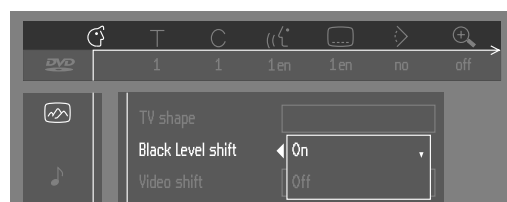
Picture

– TV Shape

See 'Initial Setup'

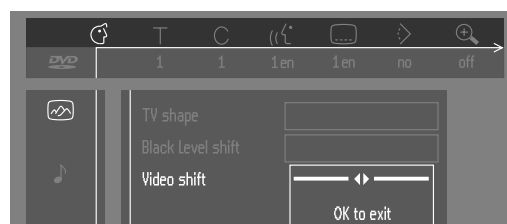
– Black level shift (NTSC only)

Select ON for adapting the color dynamics to obtain richer contrasts.



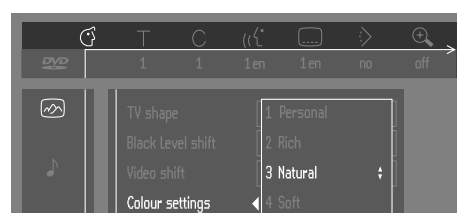
– Video shift

The factory centers the video on your screen. Use this setting to personalize the position of the picture on your TV by scrolling it to the left or right.



– Color settings (SCART connection)

You can select one of five predefined sets of color settings (SCART connection only) and one set (Personal) which you can define yourself.



– Personal color

Allows you to fine-tune the selected color settings (SCART connection only) saturation, brightness and contrast.

Sound

– Digital output

Factory setting: ALL. This means that both coaxial and optical outputs are switched on. If you are not connecting equipment with a digital input, change the setting to OFF. If your equipment doesn't include a digital multi-channel decoder, set the digital output to PCM (Pulse Code Modulation). Both coaxial and optical outputs are switched on.

– Analog output

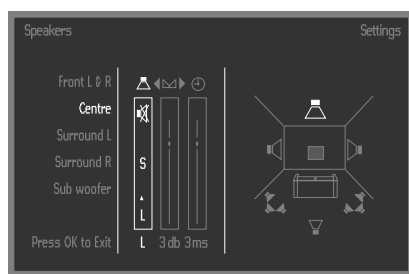
Select Stereo, Dolby Surround or 3D sound.

– Night Mode

Optimizes the dynamics of the sound with low volume playback.

– Speaker settings

Allows you to select speaker settings, volume balance and delay time and to test the speaker settings. Speaker settings are only active on the Analog Multi-Channel Output. (See appendix)



– Karaoke vocal

Put this setting to ON only when a multi-channel karaoke DVD is being played. The karaoke channels on the disc will then be mixed into a normal stereo sound.

Language

Select the required Menu, Audio and Subtitle language. See 'Initial Setup'.

Audio language and Subtitle language can also be adapted via the Menu bar on the screen.

Features

– Access Control

Access Control contains the following features:

Child Lock - When Child Lock is set to ON, a 4-digit code needs to be entered in order to play discs.

Parental control - Allows the conditional presentation of DVDs containing Parental Control information (see 'Access Control').

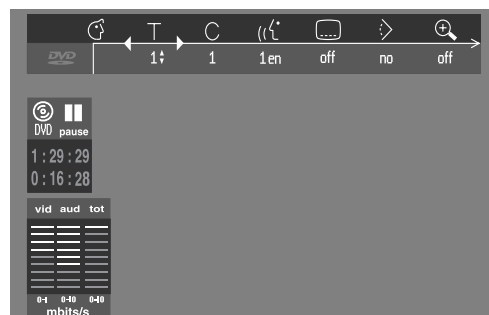
– Status Window

Displays the current status of the player and is displayed with the menu bar. When disc playback is stopped, it is displayed with the 'Temporary Feedback Field' in the default screen. See 'On-Screen Display' information; Factory setting is ON. Select OFF to suppress display of the Status Window.



– Bit Rate Indicator

When activated, the bit rate for video, audio as well as total bit rate is displayed. This is only applicable during playback of DVD and SVCD discs



– Beeper

The beeper can be set to ON or OFF.

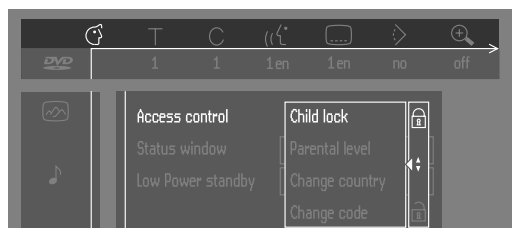
Access control; child lock (DVD and VCD)

Activating/deactivating the child lock

- 1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▼/▲ keys.
- 2 Enter a 4-digit code of your own choice.
- 3 Enter the code a second time.
- 4 Move to **"CHILD LOCK"** using the ▼/▲ keys.
- 5 Move to **LOCK/UNLOCK** using the ► key.
- 6 Select **LOCK** using the ▼/▲ keys.
- 7 Press OK or ◀ to confirm, then press ◀ again to exit the menu.
→ Now unauthorized discs will not be played unless the 4-digit code is entered.
- 8 Select **UNLOCK** to deactivate the **CHILD LOCK**.

Note: Confirmation of the 4-digit code is necessary when:

- The code is entered for the very first time (see above),
- The code is changed (see 'Changing the 4-digit code'),
- The code is cancelled (see 'Changing the 4-digit code').

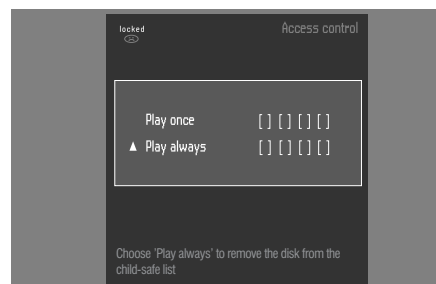


Authorizing discs

- Insert the disc. See 'Loading disc'.
→ The 'child protect' dialog will appear.
You will be asked to enter your secret code for 'Play Once' or 'Play Always.' If you select 'Play Once', the disc can be played as long as it is in the player and the player is ON. If you select 'Play Always', the disc will become child safe (authorized) and can always be played, even if the Child Lock is set to ON.

Notes:

- The player memory maintains a list of 50 authorized ('Child safe') disc titles. A disc will be placed in the list when 'Play Always' is selected in the 'child protect' dialog.
- Each time a 'child safe' disc is played, it will be placed on top of the list. When the list is full and a new disc is added, the last disc in the list will be removed from the list.
- Double sided DVDs may have a different ID for each side. In order to make the disc 'child safe', each side has to be authorized.
- Multi-volume VCDs may have a different ID for each volume. In order to make the complete set 'child safe', each volume has to be authorized.

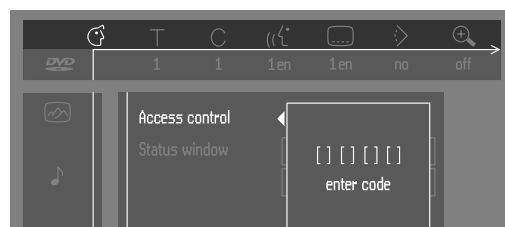


Deauthorizing discs

- Insert the disc. See 'Loading disc'.
→ Playback starts automatically.
- Press ■ while ☺ is visible.
→ The ☹ will appear and the disc is now deauthorized.

Access control; Parental control (DVD-Video only)

Movies on DVDs may contain scenes not suitable for children. Therefore, disc may contain 'Parental Control' information which applies to the complete disc or to certain scenes on the disc. These scenes are rated from 1 to 8, and alternative, more suitable scenes are available on the disc. Ratings are country dependent. The 'Parental Control' feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.



Activating/Deactivating Parental Control

- 1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▼/▲ keys.
- 2 Enter your 4-digit code. If necessary, enter the code a second time.
- 3 Move to Parental Control using the ▼/▲ keys.
- 4 Move to **VALUE ADJUSTMENT** (1-8) using the ► key.
- 5 Then use the ▼/▲ keys or the numerical keys on the remote control to select a rating from 1 to 8 for the disc inserted.

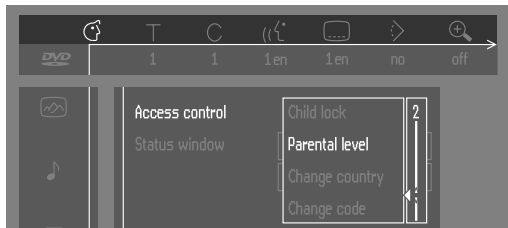
Rating 0 (displayed as '—'):

Parental Control is not activated. The Disc will be played in full.

Ratings 1 to 8:

The disc contains scenes not suitable for children. If you set a rating for the player, all scenes with the same rating or lower will be played. Higher rated scenes will not be played unless an alternative is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, play will stop and the 4-digit code has to be entered.

- 6 Press OK or ◀ to confirm, then press ◀ again to exit the menu.



Country

- 1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▼/▲ keys.
- 2 Enter the 4-digit code.
- 3 Move to **CHANGE COUNTRY** using the ▼ key.
- 4 Press the ► key.
- 5 Select a country using ▼/▲.
- 6 Press OK or ◀ to confirm, then press ◀ again to exit the menu.

Changing the 4-digit code

- 1 When disc playback is stopped, select **ACCESS CONTROL** in the features menu using the ▼/▲ keys.
- 2 Enter the old code.
- 3 Move to **CHANGE CODE** using the ▼ key.
- 4 Press the ► key.
- 5 Enter the new 4-digit code.
- 6 Enter the code a second time and reconfirm by pressing OK.
- 7 Press ◀ to exit the menu.

Note:

— If you forget your 4 digit code, it can be cancelled by pressing ■ four times in the 'Access Control' dialog. You can then enter a new code (twice!) as described above.

Parental Control Disclaimer

This DVD player features the **PARENTAL CONTROL** system which is intended to activate when playing DVD discs furnished with certain software coding. This is according to technical standards adopted by the set maker and disc content industries.

Please note that the **PARENTAL CONTROL** system will not operate a DVD disc which is not furnished with the appropriate software coding. Also note that at the time of release of this DVD player, certain aspects of the technical standards had not been settled between set makers and the disc industries.

On this basis Philips cannot guarantee the functioning of **PARENTAL CONTROL** system and denies any liability associated with unintended watching of disc content.

If in doubt, please make sure the disc plays according to your **PARENTAL CONTROL** settings before you allow children access.

Loading discs

- 1 Press OPEN/CLOSE on the front of the player. The disc tray opens.
- 2 Load your chosen disc in the tray, label side up (also when a double sided DVD is inserted). Make sure it is sitting properly in the correct recess.
- 3 Press OPEN/CLOSE, to close the tray.
→ **REEL** appears in the status window and on the player display, and playback starts automatically.

Note:

– If 'Child Lock' is set to ON and the disc inserted is not in the 'child safe' list (not authorized), the 4-digit code must be entered and/or the disc must be authorized (see 'Access Control').

Playing a DVD-video disc



Playing a title

- After inserting the disc and closing the tray, playback starts automatically and the status window and the player display show the type of disc loaded, as well as information about the disc's contents and playing time.
The disc may invite you to select an item from a menu. If the selections are numbered, press the appropriate numerical key; if not, use the **▼/▲**, **◀/▶** keys to highlight your selection, then press OK.
- The currently playing title and chapter number are displayed in the menu bar and the player display. The elapsed playing time is shown in the status window and the player display.
- Play may stop at the end of the Title, and the player may return to the DVD menu. To go on to the next title, press **▶**.
- To stop play at any other time, press **■**.
→ The default screen will appear, giving information about the current status of the player.
- You can resume play from the point at which you stopped play. Press **▶**; when you see the Resume icon **⏮** on the screen, press **▶** again.
→ The RESUME feature applies not only to the disc in the player, but also to the last four discs you have played. Simply reload the disc, and press **▶**; when you see the Resume icon **⏮** on the screen, press **▶** again.

Note:

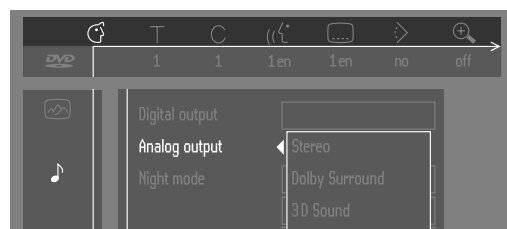
– Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes.
– Discs can have an optional region code. If you load a disc of a different region code into your player, you will see the region code notice on the screen.
– The disc will not play and should be removed from the player.

Playing a Video CD



Playing a disc

- After inserting the disc and closing the tray, playback starts automatically and the status window and the player display show the type of disc loaded, as well as information about the disc's contents and playing time.
- The disc may invite you to select an item from a menu. If the selections are numbered, press the appropriate numerical key.
- The currently playing track number is displayed in the menu bar and the player display. The elapsed playing time is shown in the status window and the player display.
- To stop play at any time, press **■**.
→ The default screen will then appear.
- You can resume play from the point at which you stopped play. Press **▶**; when you see the Resume icon **⏮** on the screen, press **▶** again.
→ The RESUME feature applies not only to the disc in the player, but also to the last four discs you have played. Simply reload the disc, and press **▶**; when you see the Resume icon **⏮** on the screen, press **▶** again.



General features

Note:

– Unless stated otherwise, all operations described are based on remote control operation. A number of operations can also be carried out via the menu bar on the screen (see 'Menu bar operation').

Moving to another TITLE/TRACK

When a disc has more than one title or track (which you can see from both the menu bar and the player display), you can move to another title as follows:

- Press **T** (**TITLE/TRACK**), then press **▶** briefly during play to select the next title/track.
- Press **T** (**TITLE/TRACK**), then press **◀** briefly during play to return to the beginning of the current title/track. Press **◀** twice briefly to step back to the previous title/track.



Moving to another CHAPTER/INDEX

When a title on a disc has more than one chapter or a track has more than one index (which you can see from the player display and on the menu bar), you can move to another chapter/index as follows:



- Press **►|** briefly during play to select the next chapter/index.
- Press **|◄** briefly during play to return to the beginning of the current chapter/index. Press **|◄** twice briefly to step back to the previous chapter/index.
- To go directly to any chapter or index, select **C** (**CHAPTER/INDEX**), then enter the chapter/index number using the numerical keys (0-9).

Note:

– If the number has more than one digit, press the keys in rapid succession.

Slow Motion



- Select **◀|** (**SLOW MOTION**) in the menu bar.
- Use the **▼** keys to enter the **SLOW MOTION** menu.
→ The player will now go into **PAUSE** mode.
- Use the cursor keys **◀▶** to select the required speed: -1, -1/2, -1/4 or -1/8 (backward), or +1/8, +1/4, +1/2 or +1 (forward).
- Select 1 to play at normal speed again.
- If **II** is pressed, the speed will be set to zero (PAUSE).
- To exit slow motion mode, press **►** and **▲**.

You can also select Slow Motion speeds by using the **►** button on the remote control.

Still Picture and Frame-by-frame playback

- Select **◀|I|▶** (**PICTURE BY PICTURE**) in the menu bar.
- Use the **▼** key to enter the picture by picture menu.
→ The player will now go into **PAUSE** mode.
- Use the cursor keys **◀▶** to select the previous or next picture frame.
- To exit **PICTURE BY PICTURE** mode, press **►** or **▲**.

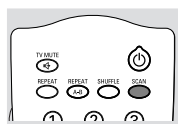


You can also step forward by pressing **II** repeatedly on the remote control.

Scan

Plays the first 10 seconds of each chapter/index on the disc.

- Press **SCAN**.
- To continue play at your chosen chapter/index, press **SCAN** again or press **►**.



Search

- Select **◀|Q|▶** (**FAST MOTION**) in the menu bar.
- Use the **▼** keys to enter the **FAST MOTION** menu.
- Use the **◀▶** keys to select the required speed: -32, -8 or -4 (backward), or +4, +8, +32 (forward).
- Select 1 to play at normal speed again.
- To exit **FAST MOTION** mode, press **►** or **▲**.

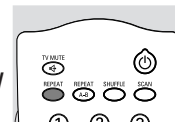


To search forward or backward through different speeds, you can also hold down **◀◀** or **▶▶**.

Repeat

DVD-Video Discs - Repeat chapter/title/disc

- To repeat the currently playing chapter, press **REPEAT**.
→ **REPEAT CHAPTER** appears on the player display.
- To repeat the title currently playing, press **REPEAT** a second time
→ **REPEAT TITLE** appears on the display.
- To repeat the entire disc, press **REPEAT** a third time
→ **REPEAT** appears on the display.
- To exit Repeat mode, press **REPEAT** a fourth time.



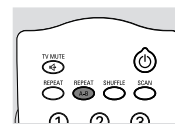
Video CDs - Repeat track/disc

- To repeat the track currently playing, press **REPEAT**.
→ **REPEAT TRACK** appears on the player display.
- To repeat the entire disc, press **REPEAT** a second time.
→ **REPEAT** appears on display and screen.
- To exit Repeat mode, press **REPEAT** a third time.

Repeat A-B

To repeat a sequence in a title:

- Press **REPEAT A-B** at your chosen starting point;
→ **A-** appears briefly on the screen.
- Press **REPEAT A-B** again at your chosen end point;
→ **A-B REPEAT** appears briefly on the display, and the repeat sequence begins. (**A-B REPEAT** is displayed on the front panel of the player)
- To exit the sequence, press **REPEAT A-B**.

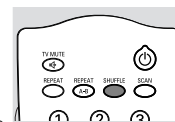


Shuffle

DVD-Video discs

This shuffles the playing order of chapters within a title, if the title has more than one.

- Press **SHUFFLE** during play.
→ **SHUFFLE** appears on the screen for about 2 seconds.
- To return to normal play, press **SHUFFLE** again.



Video CDs

This shuffles the playing order of the tracks, if the disc has more than one.

- Press **SHUFFLE** during play.
→ **SHUFFLE** appears on the screen for about 2 seconds.
- To return to normal play, press **SHUFFLE** again.

Time search

The Time Search function allows you to start playing at any chosen time on the disc.

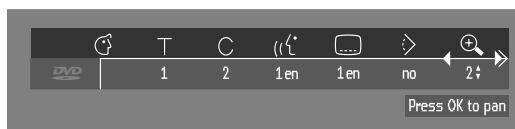
- Select **TIME SEARCH** in the menu bar.
- Press **▼**.
 - The player will now go into **PAUSE** mode.
 - A time edit box appears on the screen, showing the elapsed playing time of the current disc.
- Use the digit keys to enter the required start time. Enter hours, minutes and seconds from left to right in the box.
 - Each time an item has been entered, the next item will be highlighted.
- Press OK to confirm the start time.
 - The time edit box will disappear and play starts from the selected time position on the disc.



Zoom

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

- Select **Zoom**.
- Press **▼/▲** to activate the **Zoom** function and select the required zoom factor: 1.33 or 2 or 4.
 - The player will go into Pause mode.
 - The selected zoom factor appears below the Zoom icon in the menu bar and 'Press OK to pan' appears below the menu bar.
 - The picture will change accordingly.
- Press OK to confirm the selection.
 - The panning icons appear on the screen: **◀▶▼▲** and OK.
- Use the **◀▶▼▲** keys to pan across the screen.
- When OK is pressed only the zoomed picture will be shown on the screen.
- If you wish to zoom at any moment, press **Zoom** and select the required zoom factor as described above.
- To exit **Zoom** mode:
 - Press **▶**.
 - Playback will resume.
 - Press STOP, MENU OSD.



FTS-Video

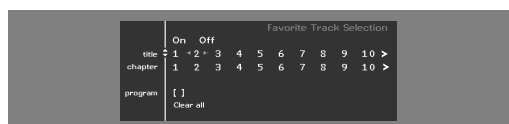
- The FTS-Video function allows you to store your favorite titles and chapters (DVD) and favorite tracks and indexes (VCD) for a particular disc in the player memory.
- Each FTS program can contain 20 items (titles, chapters).
- Each time an FTS program is played it will be placed on top of the list. When the list is full and a new program is added, the last program in the list will be removed from the list.
- The selections can be called up and played at any time.

Storing a FTS-Video Program

- In STOP mode, select **VIDEO FTS** ☒ in the menu bar.
- Press **▼** to open the menu.
 - The **VIDEO FTS** menu appears.
- Press **▶** or **◀** or FTS to select ON or OFF.

Storing titles/tracks

- Press **▼** to select **TITLES**.
- Use **▶** and **◀** to select the required title.
- Press OK if you wish to store the entire title.
 - The title number will be added to the list of selections.



Storing chapters/indexes

- Press **▼** on the selected title number.
 - The title number will be marked and the highlight moves to the first available chapter number for this title.
- Use **▶** and **◀** to select the required chapter number.
- Press OK to confirm the selection.
 - The title/chapter selection will be added to the list of selections.
- Press MENU OSD to exit the **VIDEO FTS** ☒ menu.

Erasing a FTS-Video Program

- In STOP mode, select **VIDEO FTS** ☒ in the menu bar.
- Use **▼** to select **PROGRAM**.
- Use **▶** and **◀** to select the required selection number.
- Press OK to erase the selection.
- Press MENU OSD to exit.

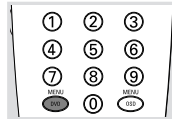
If you wish to erase all selections:

- In STOP mode, select **VIDEO FTS** ☒ in the menu bar.
- Use **▼** to select **CLEAR ALL**.
- Press OK.
 - All selections will now be erased.
- Press MENU OSD to exit.

Special DVD features

Checking the contents of DVD-Video discs: Menus

For titles and chapters, selection menus may be included on the disc. The DVD's menu feature allows you to make selections from these menus. Press the appropriate numerical key; or use the ▼, ▲, ►, ◀ keys to highlight your selection, then press OK.



Title menu

- Press MENU DVD.
→ If the current title has a menu, the menu will appear on the screen. If no menu is present in the title, the disc menu will be displayed.
- The menu can list camera angles, spoken language and subtitle options, and chapters for the title.
- To remove the title menu, press MENU DVD again.

Disc menu

- Press T then press MENU DVD.
→ The disc menu is displayed.
- To remove the disc menu, press T, then press MENU DVD.

Camera Angle

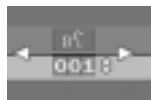
If the disc contains sequences recorded from different camera angles, the angle icon appears, showing the number of available angles and the angle being shown currently. You can then change the camera angle if you wish.

- Use the ▼/▲ keys to select the required angle in the angle icon.
→ After a small delay, play changes to the selected angle. The angle icon remains displayed until multiple angles are no longer available.



Changing the audio language

- Select (🔊) (AUDIO) in the menu bar.
- Press (🔊) or ▼/▲ repeatedly to see the different languages.



Subtitles

- Select (📄) (SUBTITLE) in the menu bar.
- Press (📄) or ▼/▲ repeatedly to see the different subtitles.



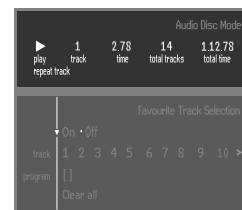
Special VCD-Features

Playback Control (PBC)

- Load a Video CD with PBC and press ►.
- Go through the menu with the keys indicated on the TV screen until your chosen passage starts to play. If a **PBC** menu consists of a list of titles, you can select a title directly.
- Enter your choice with the numerical keys (0-9).
- Press RETURN to go back to the previous menu.
- You may also set to **PBC OFF** under Personal Preferences.

Playing an audio CD

- After loading the disc, playback starts automatically.
- If the TV is on, the Audio CD screen appears.
- The number of tracks and the total playing time will be shown on the screen.
- During play, the current track number and its elapsed playing time will be shown on the screen and on the player display.
- Playback will stop at the end of the disc.
- To stop play at any other time, press ■.



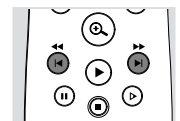
Pause

- Press II during play.
- To return to play, press ►.



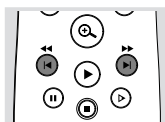
Search

- To search forward or backward through the disc at four times normal speed, hold down ◀◀ or ▶▶ for about one second during play.
→ Search begins, and sound is partially muted.
- To step up to eight times the normal speed, press ◀◀ or ▶▶ again.
→ Search goes to eight times the speed, and the sound is muted.
- To return to four times the normal speed, press ◀◀ or ▶▶ again.
- If the TV is on, search speed and direction are indicated on the screen each time ◀◀ or ▶▶ is pressed.
- To end the search, press ► to resume playback or ■ to stop.



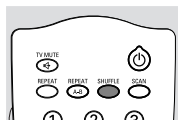
Moving to another track

- Press ► briefly during play to go to the next track.
- Press ◀ briefly during play to return to the beginning of the current track. Press ◀ twice briefly to step back to the previous track.
- To go directly to any track, enter the track number using the numerical keys (0-9).



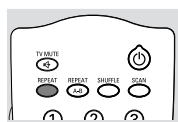
Shuffle

- Press SHUFFLE during play.
→ The order of the tracks is changed.
- To return to normal play, press SHUFFLE again.



Repeat track/disc

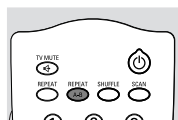
- To repeat the track currently playing, press REPEAT.
→ **REPEAT TRACK** appears on the display.
- To repeat the entire disc, press REPEAT a second time.
→ **REPEAT** appears on the display.
- To exit Repeat mode, press REPEAT a third time.



Repeat A-B

To repeat a sequence:

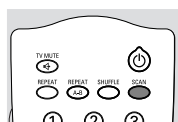
- Press REPEAT A-B at your chosen starting point;
→ **A-** appears on the player display.
- Press REPEAT A-B again at your chosen end point;
→ **A-B** appears on the display, and the sequence begins to play repeatedly.
- To exit the sequence, press REPEAT A-B again.



Scan

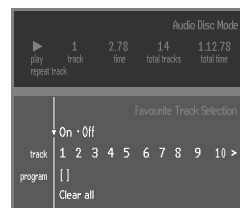
Plays the first 10 seconds of each track on the disc.

- Press SCAN.
- To continue play at your chosen chapter/index, press SCAN again or press ►.



FTS Program

- FTS Program allows you to store your favorite tracks for a particular disc in the player memory.
- Each FTS Program can contain 20 tracks.



Storing an FTS Program

- 1 Load a disc and stop playback.
- 2 Use ▼ to go to the list of available tracks.
- 3 Use ► or ◀ to select tracks from the list.
To go directly to any track, enter the track number using the numerical keys (0-9).
- 4 Store each track by pressing OK.
→ The track numbers will be added to the list of selected tracks.
→ The number of tracks and the playing time of the program will be shown on the screen and the player display.

When your FTS Program is complete, press ► to start play, or ▲ to go back to Stop mode. In either case, the FTS Program will be automatically memorized.

Switching FTS ON/OFF

- 1 Use ▲ ▼ to move to the top.
- 2 Use ► or ◀ to select either ON or OFF.

Erasing a track from an FTS Program

- 1 Use ▼ to go to the list of selected tracks.
- 2 Use ► and ◀ to select the track number you wish to erase.
- 3 Press OK.
→ The track number will be erased from the list of selected tracks.

Erasing the complete program

- 1 Use ▼ to select **CLEAR ALL**, then press OK.
→ The complete FTS Program for the disc will be erased.

Before Requesting Service

If it appears that the DVD-Video player is faulty, first consult this checklist. It may be that something has been overlooked. Under no circumstances attempt to repair the system yourself; this will invalidate the warranty.

Look for the specific symptom(s). Then perform only the actions listed to remedy the specific symptom(s).

Symptom	Remedy
No power	<ul style="list-style-type: none"> ● Make sure the mains cord (AC) is properly connected. ● Check if there is power at the AC outlet by plugging in another appliance.
No picture	<ul style="list-style-type: none"> ● Check if the TV is switched on. ● Check the video connection.
Distorted picture	<ul style="list-style-type: none"> ● Check the disc for fingerprints and clean with a soft cloth, wiping from center to edge. ● Sometimes a small amount of picture distortion may appear. This is not a malfunction.
Completely distorted picture or no color with player menu.	<ul style="list-style-type: none"> ● If the picture is distorted completely or if the picture rolls vertically, make sure the NTSC/PAL setting at the DVD player matches the video signal of your television. ● If your TV video signal is NTSC, select the NTSC setting at the DVD player. ● If your video signal is PAL, select the PAL setting - see NTSC/PAL SETTINGS.
Distorted or Black/White picture with DVD or Video CD.	<ul style="list-style-type: none"> ● The disc format does not match your TV's video signal (PAL/NTSC).
No sound	<ul style="list-style-type: none"> ● Check audio connections. ● If you are using a HiFi amplifier, try another sound source.
Distorted sound from HiFi amplifier.	<ul style="list-style-type: none"> ● Check to make sure that no audio connections are made to the amplifier phono input.
No audio at digital output.	<ul style="list-style-type: none"> ● Check the digital connections. ● Check the settings menu to make sure the digital output is set to ALL or PCM. ● Check if the audio format of the selected audio language matches your receiver capabilities.
Disc can't be played.	<ul style="list-style-type: none"> ● Ensure the disc label is facing up. ● Clean the disc. ● Check if the disc is defective by trying another disc. ● Check to see if the disc is defective, badly scratched or warped (not flat)
No return to start-up screen when disc is removed.	<ul style="list-style-type: none"> ● Reset by switching the player off, then on again. ● Check to see if the program requires another disc to be loaded.
The player does not respond to the remote control.	<ul style="list-style-type: none"> ● Aim the remote control directly at the sensor on the front of the player. ● Remove any obstacles between the player and the remote control. ● Inspect or replace the batteries in the remote control.
Buttons do not work.	<ul style="list-style-type: none"> ● In order to completely reset the player; unplug the AC cord from the AC outlet. (Please ensure that the set is not in Initial Setup mode)
Player does not respond to all operating commands during playback.	<ul style="list-style-type: none"> ● Operations are not permitted by the disc. Refer to the instructions of the disc.
DVD-Video player cannot read CDs/DVDs	<ul style="list-style-type: none"> ● Use a commonly available cleaning CD/DVD to clean the lens before correctly taking the DVD-Video player to be repaired.

Speaker Settings

6 Channel settings

Front speaker

- L (Large): When the front speakers can reproduce low frequency signals below 120Hz
- S (Small): When the front speakers cannot produce low frequency signals below 120Hz

Center Speaker*

- L (Large): When the center speaker can reproduce low frequency signals below 120Hz
- S (Small): When the center speaker cannot produce low frequency signals below 120Hz
- Off: When the center speaker is not connected

Surround speakers

- L (Large): When the surround speakers can reproduce low frequency signals below 120Hz
- S (Small): When the surround speakers cannot produce low frequency signals below 120Hz
- Off: When the surround speakers are not connected

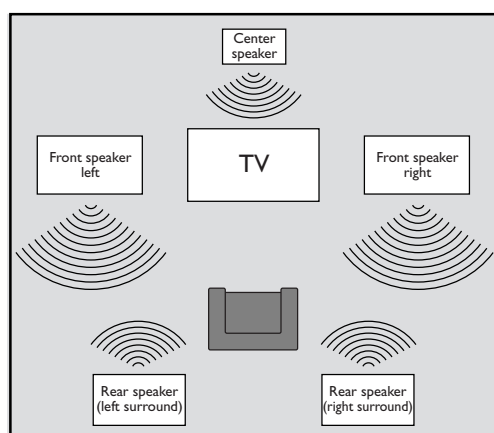
Subwoofer

- On: When you connect a subwoofer
- Off: When a subwoofer is not connected

* You can use your TV as center speaker. When center speaker is turned on, the audio L/R as well as the audio from the scart will contain the center speaker audio.

Note:

- Certain speaker settings are prohibited by the Dolby Digital (AC-3) licencing agreement.



Delay times

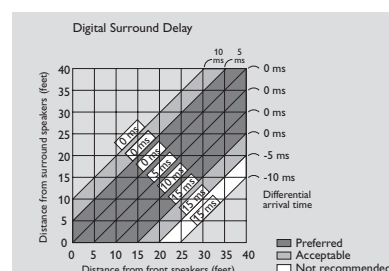
The DVD player is set to reproduce correctly synchronized Digital Surround Sound in a listening area where the surround speakers are about 150cm nearer to the listening position than the front speakers, and the center speaker is in line with the front speakers. To adjust for other listening area arrangements, adapt delay times according to the following:

Digital Surround

Measure the distances in centimeters from the front speaker plane and from the surround speaker plane to the listening positioning plane.

Subtract the surround distance from the front distance and divide by 30. The result is the required Surround Channel delay time in milliseconds.

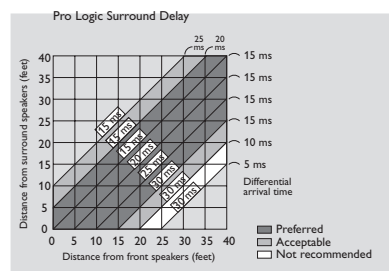
If the center speaker is on the front speaker plane, no center speaker delay is needed. If, however, it is nearer the listening position, measure the distance in centimeters between the front and center speaker planes, and divide by 30. The result is the required Center Channel delay time in milliseconds.



Dolby Surround

Add 15 milliseconds to the Surround Channel delay time calculated for Digital Surround.

If the Center Channel in Digital Surround mode is set, add 15 milliseconds to the Center Channel delay time.



Specification

PLAYBACK SYSTEM

DVD-Video
Video CD
CD (CD-R and CD-RW)

OPTICAL READOUT SYSTEM

Lasertype Semiconductor AlGaAs
Numerical Aperture 0.60 (DVD)
0.45 (VCD/CD)
Wavelength 650 nm (DVD)
780 nm (VCD/CD)

DVD DISC FORMAT

Medium	Optical Disc	
Diameter	12cm (8cm)	
Playing time (12cm)	One layer	2.15 h*
	Dual layer	4 h*
	Two side	4.30 h*
	Single layer	
	Two side	8 h*
	Dual layer	

VIDEO FORMAT

DA Converter 10 bits
Signal handling Components
Digital Compression MPEG2 for DVD,
MPEG1 for VCD

TV STANDARD (PAL/50Hz) (NTSC/60Hz)

Number of lines	625	525
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DVD

Horiz. Resolution	720 pixels**	720 pixels**
Vertical Resolution	576 lines	480 lines

VCD

Horiz. Resolution	352 pixels	352 pixels
Vertical Resolution	288 lines	240 lines

VIDEO PERFORMANCE

Video output 1 Vpp into 75 ohm
S-Video output Y: 1 Vpp into 75 ohm
C: 0.3 Vpp into 75 ohm
RGB output 0.7 Vpp into 75 ohm
Black Level Shift On/Off
Video Shift Left/Right

AUDIO FORMAT

Digital	MPEG	Compressed Digital
	DTS/AC-3	
	PCM	16, 20, 24 bits
		fs, 44.1, 48, 96 kHz

Analog Sound Stereo
Dolby Pro Logic downmix from multi-channel sound
Full decoding of multi-channel (AC-3) surround sound
3D Sound for virtual 5.1 channel sound on 2 speakers (AC-3)

AUDIO PERFORMANCE

DA Converter	24 bits	
DVD	fs 96 kHz	4 Hz - 44 kHz
	fs 48 kHz	4 Hz - 22 kHz
Video CD	fs 48 kHz	4 Hz - 22 kHz
CD	fs 44.1 kHz	4 Hz - 20 kHz
Signal-Noise (1kHz)		103 dB
Dynamic Range (1kHz)		98 dB
Crosstalk (1kHz)		115 dB
Distortion and Noise (1kHz)		95 dB
Headphone	30mW at 32 Ohm load, headphone imp. 8-2k Ohm	

* typical playing time for movie with 2 spoken languages and 3 subtitle languages.

** equivalent to 500 lines on your TV

CONNECTIONS

SCART	2 SCART
S-Video Output	Mini DIN, 4 pins
Video Output	Cinch (yellow)
Audio L+R output	Cinch (white/red)
Audio Front Left/Right	Cinch (white/red)
Audio Surround Left/Right	Cinch (white/red)
Audio Centre	Cinch (blue)
Audio Subwoofer	Cinch (black)
Digital Output	1 coaxial, 1 optical IEC958 for CDDA / LPCM IEC1937 for MPEG1, MPEG2 and AC-3 DTS on SCART
Cinematic	6.3 mm Jack
Headphone	

CABINET

Dimensions (w x h x d)	435 x 92 x 320mm
Weight	Approx. 4 Kg

GENERAL FUNCTIONALITY

Stop / Play / Pause
Fast Forward / Backward
Time search
Step Forward / Backward
Slow
Title / Chapter / Track Select
Next / Previous
Repeat (Chapter / Title / All) or (Track / All)
A-B Repeat
Shuffle
Scan
Enhanced ease of use graphical interface
Perfect Still with digital multi-tap filter
Zoom (x1.33, x2, x4) with picture enhancement
Personal Color settings (Smart Picture)
Cinematic interconnection for plug&play
3D Sound
Per speaker setting of Volume, Delay, Range
Virtual Jog Shuttle
Audio and video bit rate indicator
Beeper

DVD FUNCTIONALITY

Multi-angle Selection
Audio Selection (1 out of max. 8 languages)
Subtitles Selection (1 out of max. 32 languages)
Aspect Ratio conversion (16:9, 4:3 Letterbox, 4:3 Pan Scan)
Parental Control and Disk Lockout
Disc Menu support (Title Menu and Root Menu)
Resume (5 discs) after stop / standby
Screen Saver (Dim 75% after 15 min.)
Programming Titles/chapters with Favorite Selection

VIDEO CD FUNCTIONALITY

Playback Control for VCD 2.0 discs
Disc Lockout
Resume (5 discs) after stop / standby
Screen Saver (Dim 75% after 15 min.)
Programming Tracks with Favorite Selection

AUDIO CD FUNCTIONALITY

Time Display (Total / Track / Remaining Track Time)
Full audio functionality with remote control
Programming with Favorite Track Selection

Specifications subject to change without prior notice