

Technical Specification DVDR990



Disc types

| | Playback | Recording |
|--------------------|----------|-----------|
| DVD+RW | ● | ● |
| DVD+R | ● | ● |
| DVD-R | ● | - |
| DVD-RW, video mode | ● | - |
| DVD-Video | ● | - |
| Super VCD | ● | - |
| Video CD | ● | - |
| Audio CD | ● | - |
| CD-R | ● | - |
| CD-RW | ● | - |

DVD+R/RW Disc Format

| Capacity | 4.7 Gbyte (12cm single-sided) | |
|----------------|-------------------------------|-------------|
| Recording time | HQ | SP |
| | 60' | 9.72 Mbit/s |
| | 120' | 5.07 Mbit/s |
| | 180' | 3.38 Mbit/s |
| | 240' | 2.54 Mbit/s |
| | 360' | 1.70 Mbit/s |

TV Standard

| | PAL/SECAM | NTSC |
|-----------------|-----------|------|
| Scan Frequency | 50Hz | 60Hz |
| Number of lines | 625 | 525 |
| Playback | ● | ● |
| Recording | ● | ● |
| Internal tuner | ● | - |

Video Format

| Digital Compression | DVD, SVCD: MPEG2 | |
|-----------------------|-------------------------|-------------------------|
| | VCD: | MPEG1 |
| DVD-VIDEO | 50Hz | 60Hz |
| DVD+R/RW (HQ/SP) | 720 pixels ¹ | 720 pixels ¹ |
| Vertical Resolution | 576 lines | 480 lines |
| DVD+RW (LP/EP) | 50Hz | 60Hz |
| Horizontal Resolution | 360 pixels ² | 360 pixels ² |
| Vertical Resolution | 576 lines | 480 lines |
| VCD | 50Hz | 60Hz |
| Horizontal Resolution | 352 pixels | 352 pixels |
| Vertical Resolution | 288 lines | 240 lines |

¹ equivalent to 500 lines on your TV

² equivalent to 250 lines on your TV

Video Performance

| | |
|----------------------|---|
| DA Converter | 10 bit, 27 MHz |
| AD Converter | 9 bit |
| Video (CVBS) output | 1Vpp into 75 ohm |
| S-Video (Y/C) output | Y: 1Vpp into 75 ohm C: 0.300 Vpp into 75 ohm |
| RGB output | 0.7 Vpp into 75 ohm |

Audio Format Playback Recording

| Compressed digital | Playback | Recording |
|------------------------|--|-----------------------------|
| • Dolby Digital (AC-3) | 5.1-channel | 2-channel 16-bit, 48 kHz |
| • DTS, MPEG2 | 5.1-channel | - |
| • MPEG1 | 2-channel | - |
| SPDIF | | |
| • PCM | 2-channel 16/20/24 bit 48/96 kHz | - |

Audio Performance

| | |
|---------------------------|--|
| DA Converter | 24 bit |
| AD Converter | 16 bit |
| DVD | f _s 96 kHz 4 Hz - 44 kHz f _s 48 kHz 4 Hz - 22 kHz |
| Video CD | f _s 44.1 kHz 4 Hz - 20 kHz |
| Audio CD | f _s 44.1 kHz 4 Hz - 20 kHz |
| Signal-Noise (1kHz) | 105 dB |
| Dynamic Range (1kHz) | 100 dB |
| Crosstalk (1kHz) | 110 dB |
| Distortion / Noise (1kHz) | 90 dB |

Front Connections

| | |
|------------------------|--------------------|
| i.LINK DV Input | IEEE 1394 4-pin |
| S-Video Input | Hosiden 4-pin* |
| Video Input | Cinch (yellow)* |
| Audio Left/Right Input | Cinch (white/red)* |
| * gold-plated | |

Rear Connections

| | |
|-------------------|----------------------------|
| SCART 1 | CVBS, S-Video/RGB |
| SCART 2 | CVBS, S-Video/RGB, decoder |
| S-Video In | Hosiden 4-pin |
| S-Video Out | Hosiden 4-pin |
| Video In | Cinch (yellow)* |
| Video Out | Cinch (yellow)* |
| Audio L/R In | Cinch (white/red)* |
| Audio L/R Out | Cinch (white/red)* |
| Digital Audio Out | 1 coaxial, * 1 optical |
| • PCM | IEC958 |
| • MPEG, AC-3, DTS | IEC1937 |
| RF Antenna In | Coaxial 75 ohms |
| RF TV Out | Coaxial 75 ohms |
| Mains | Standard (IEC type) |
| * gold-plated | |

On-screen display

| | |
|-----------|---|
| Languages | English, French, German, Dutch, Spanish, Italian, Swedish |
|-----------|---|

Programming

| | |
|---|--|
| Number of events | 6; 1 month; Daily/Weekly |
| Programming mode | OTR, Remote |
| Record control and transmitter identification | PDC, VPS |
| Autom. Sat. Recording | From SCART. 1/2 |
| Timer programming | Manual, ShowView/VIDEO Plus+, nexTVView Link |

General Functionality

| | |
|--|--|
| • 3D sound (SRS TruSurround) | |
| • Beep Feedback for Remote Control | |
| • Dim display (3 levels of brightness) | |
| • Automatic Screen Saver | |
| • Backup presets & timer: | 1 year |
| • Backup clock: | 7 hrs |
| • Auto clock set | PDC, Text (Time/Date) |
| • Audio Recording Level | Automatic, Manual |
| • TV-Related Functions | 16:9 (pin 8), Follow TV, Direct Record |
| Digital Bus Functions: | Cinema Link (pin 10) |

Recording functions

- Safe Record
- Direct Record
- One-Touch Record (OTR)
- Station ID and Program Name recording
- Append
- Divide
- Erase
- Automatic/Manual Chapter Marker insertion
- Disc write protection
- Favorite Scene Selection
- Index Picture Screen for instant content overview
- Selectable Index Pictures

Disc playback

- Fast Forward/Backward (3 speeds)
- Step Forward/Backward
- Slow (3 speeds)
- Direct Title / Track access
- Next / Previous Title / Track / Chapter
- Repeat (Chapter / Title / All) or (Track / All)
- A-B Repeat
- Intro Scan
- Time Search
- Zoom (1.33x, 2x, 4x) with picture enhancement
- Auto Resume (20 discs)

Power Supply

| | |
|-------------------|---------------------------------------|
| Power Inlet: | 200-240V, 50/60 Hz |
| Power consumption | Operation 40W Low-power standby 3W |

Cabinet

| | |
|------------------------|--------------------|
| Dimensions (W x H x D) | 435 x 107 x 330 mm |
| Net Weight | 5.5 kg |

Remote Control

- Universal remote for control of main TV functions

Package Contents

- DVD Recorder
- Universal Remote Control RC2056 + batteries
- Directions for use
- DVD+RW disc
- AC power cable
- full SCART cable
- Audio cable*
- Video cable*
- S-Video cable*
- Coax RF antenna cable
- * gold-plated

Directions for use

| version | /001 | /021 | /051 |
|-----------|--|--|---------|
| Languages | English German French Spanish Italian Dutch | English German Swedish Danish Norwegian Finnish | English |

Philips DVD Recorder



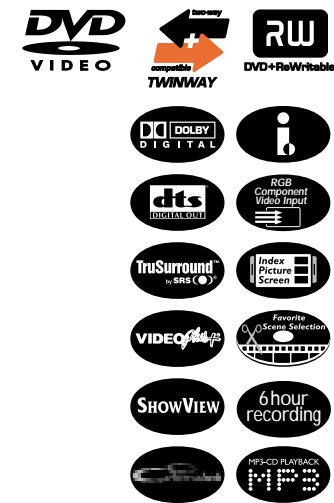
- Record from TV in digital quality on ReWritable DVDs
- Copy your favorite camcorder tapes onto DVD for life
- Digital picture and sound quality for the ultimate viewing experience
- Direct access to your recordings, no more winding or rewinding

Picture Quality Features

- **Digital connection (i.LINK)** for high-quality copying from digital camcorders
- **RGB Component Video Input** for the best recording quality from analog sources
- **High-Quality mode** for camcorder copying and additional modes for up to **6 hours recording**

Convenience Features

- MP3 playback
- **Favorite Scene Selection** for easy editing of your home movies
- **Large display with disc-bar** for instant disc content overview
- **Universal remote control**
- **Sound feedback** for remote control
- **Plays DVD and audio-CD(R/RW)**
- **Recorded discs play on most DVD-Video players**
- **Visual overview** to instantly find your recordings
- **VIDEO Plus+ / ShowView** for easy timer programming



Let's make things better.



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Let's make things better.



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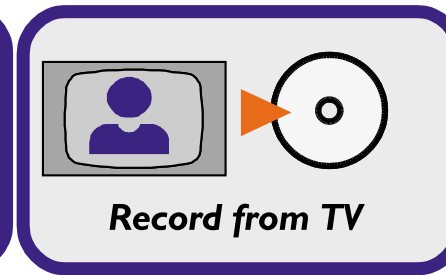
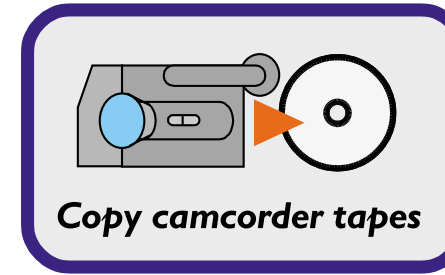
Philips DVD Recorder – the best choice!

Only DVD+RW Recorders are based entirely on the established world-wide DVDVideo standard: No new standard was invented – just the existing standard made recordable. Recordings made on rewritable discs – the most commonly used disk type popular format – are created in real DVDVideo format so they instantly play in most DVDVideo players. Thanks to a combination of advanced technologies, they deliver outstanding digital picture and sound quality and are easy to use.

Only DVD+RW Recorders:

1. Always make compatible* rewritable DVD discs
2. Have just one mode of operation: always offering all features while at the same time always compatible
3. Always put a helpful visual overview of the recordings on the disc this 'Index Picture Screen' shows an easy to recognize image of every recording and provides easy navigation and instant access, not only when playing the disc on the recorder but also when playing the disc in a DVD Player
4. Record on rewritable discs that can play in other DVD Players without finalising
5. Give the consumer convenience and ease of use to create picture perfect recordings – no expertise needed!

* DVD+RW discs are fully compatible with most existing DVD players



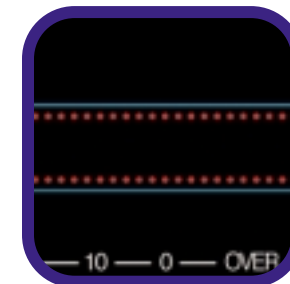
Monitor Mode

The monitor button on the front panel gives you direct access to the monitor mode, in which you can see the input signal in the way it will be recorded – instantly encoded and decoded again.



Universal remote

The DVDR990 comes with a 48-key remote control that gives direct access to the most used DVD functions. As a universal remote, it can control TV sets of hundreds of brands.



Manual Volume Control

The DVDR985 offers a choice of automatic and manual volume control. When manual volume control is selected, the display will automatically show VU meters to adjust the audio volume.

Favorite Scene Selection

The DVDR990 features FSS which lets you select only the scenes you want to see, and skip any unwanted scenes. You can view the selection on existing DVD players, too – easy, single-disc, single-device editing.



Disc bar

The display of the DVD recorder contains a special section of over 120 segments to give an accurate representation of the disc contents, the play/recording position and mode.



6 Hours Recording Time

The DVDR990 offers a choice of 4 record modes, ranging from the 1-hour top quality mode to the extra long 6-hour record mode.



i.LINK DV

With i.LINK, you can connect DV and Digital 8 camcorders to the DVD recorder and digitally transfer home-made movies to DVD in the best possible way, preserving the quality for life. i.LINK is convenient, too, since all audio and video signals are carried via a single cable.



Cinema Link

Through Cinema Link the TV can communicate with the DVD Recorder and other Home Cinema equipment, providing a host of convenient features like Follow TV, Direct Record and NextView Link.