

Technical Specification DVDR890



Disc types	Playback	Recording
DVD+RW	●	●
DVD+R	●	●
DVD-R	●	-
DVD-RW, video mode	●	-
DVD-Video	●	-
SuperVCD	●	-
Video CD	●	-
Audio CD	●	-
MP3 CD	●	-
CD-R	●	-
CD-RW	●	-

DVD+R/RW Disc Format		
Capacity	4.7 Gbyte (12cm single-sided)	
Recording time	HQ	60'
	9.72 Mbit/s	
	5.07 Mbit/s	
	4.06 Mbit/s	
	3.38 Mbit/s	
	2.54 Mbit/s	
	1.70 Mbit/s	

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

Video Format	DVD, SVCD:	MPEG2
Digital Compression	VCD:	MPEG1
DVD-VIDEO	50Hz	60Hz
DVD+R/RW (HQ/SP+)		
Horiz. Resolution	720 pixels ¹	720 pixels ¹
Vertical Resolution	576 lines	480 lines
DVD+RW (EP/EP+)	50Hz	60Hz
Horiz. Resolution	360 pixels ²	360 pixels ²
Vertical Resolution	576 lines	480 lines
VCD	50Hz	60Hz
Horiz. 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	0.7Vpp into 75 ohm

Audio Format	Playback	Recording
Compressed digital		
• 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)	95 dB	
Dynamic Range (1kHz)	85 dB	
Crosstalk (1kHz)	95 dB	
Distortion / Noise (1kHz)	85 dB	

Front Connections	
i.LINK DV	IEEE 1394 4-pin
S-Video Input	Hosiden 4-pin
Video Input	Cinch (yellow)
Audio Left/Right Input	Cinch (white/red)

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

On-screen display	
Languages	English, French, German, Dutch, Spanish, Italian, Swedish, Danish, Norwegian, Finnish, Portuguese

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

- General Functionality**
- 3D sound (SRS TruSurround)
 - Automatic Screen Saver
 - Backup Presets: 1 year
 - Backup clock: 4 hrs
 - Auto clock set: PDC, Text (Time/Date)
 - Audio Recording Level: Automatic
 - TV-Related Functions: 16:9 (pin 8), Follow TV, Direct Record
 - Digital Bus Functions: Cinema Link (pin 10)

- Recording functions**
- Safe Record
 - One-Touch Record (OTR)
 - 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 33W Low-power standby 3W

Cabinet	
Dimensions (W x H x D)	435 x 88 x 325 mm
Net Weight	4.0 kg

- Remote Control**
- 37-key remote control RC25110

- Package Contents**
- DVD Recorder
 - Remote Control + batteries
 - Directions for use
 - DVD+RW disc
 - AC power cable
 - full SCART cable
 - Stereo audio cable
 - Video cable
 - Coax RF antenna cable

Directions for use			
version	/001	/021	/051
Languages	German	German	English
	French	Swedish	
	Spanish	Danish	
	Italian	Norwegian	
	Dutch	Finnish	
	English	English	

Philips DVD Recorder



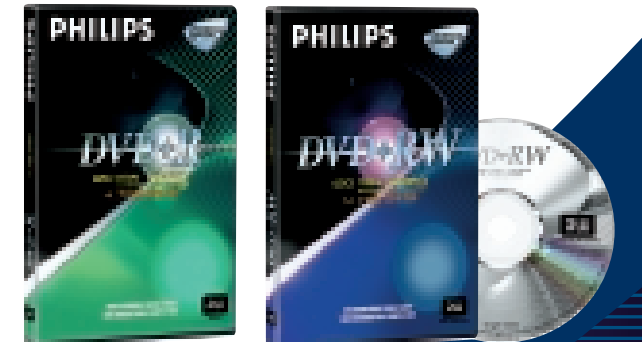
- Record from TV in digital quality on ReWritable DVDs
- Copy your favorite camcorder tapes onto DVD for life
- Digital picture and sound quality for the ultimate viewing experience
- Direct access to your recordings, no more winding or rewinding

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
- **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



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Let's make things better.



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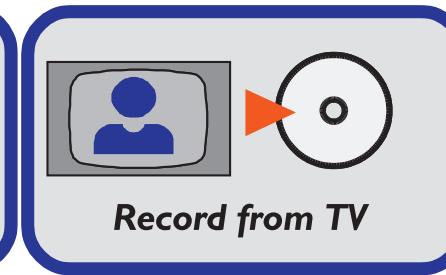
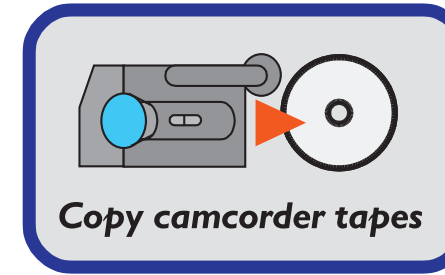
Philips DVD Recorder – the best choice!

Only DVD+RW Recorders are based entirely on the established world-wide DVD Video 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 DVD Video format so they instantly play in most DVD Video 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



6-Hours Recording Time

The Record Mode button on the front panel lets you direct select any of the 4 record modes, ranging from the 1-hour top quality mode to the extra long 6-hour record mode



Easy-to-use remote control

The DVDR890 comes with a 37-key remote control. With keys in varying shapes, sizes and colours, making it easy to recognize each key instantly.



Safe Record

The DVDR890 has a Safe Record function, which lets you start a recording without the risk of accidentally overwriting another recording.



One-Touch Record

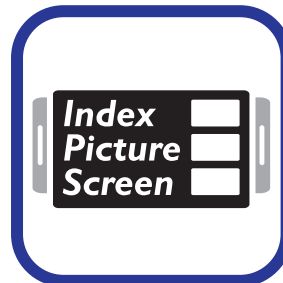
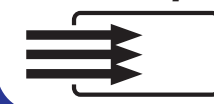
Simply pressing the REC/OTR key will start a recording. The end time of the recording can be conveniently set by pressing the OTR key more times. If 'Direct Record' is activated, the DVD Video

Recorder will automatically look up the channel to which the TV set is tuned and record from the same channel.

RGB Component Video Input

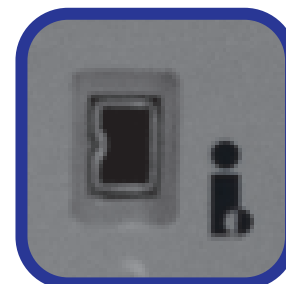
Philips DVD Recorders can record from RGB sources such as satellite receivers via SCART input, using the best possible video signal.

RGB Component Video Input



Index Picture Screen

Philips DVD Recorders create an Index Picture Screen on every DVD+RW and DVD+R disc for an instant overview and easy access.



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.

