



Welcome to the growing family of owners of PHILIPS equipment.

Thank you for buying a HDRW 720/00-02. The following pages contain explanations of the main features that will help you better understand how the HDRW 720/00-02 works.

You will find step-by-step descriptions of each function in the respective chapter of the User manual.

Features

The HDRW 720 is a DVD recorder that can store TV-shows on a built-in hard disk (HDD). Moreover, it is a DVD player that can play back DVDs, audio and (s-)video CDs, and MP3 CDs. You can play back and edit the stored TV shows (or camcorder recordings), and save (archive) these on DVD+RW/+R media for later viewing.

But your HDRW 720 is more than just an ordinary DVD recorder with a built-in hard disk.

From now on, it's better to use your TV set just as a monitor and tune to the various TV channels from your DVD recorder, taking advantage of features like FlexTime, Instant Replay, or the ability to pause live TV.

- **FlexTime:**

With FlexTime, you can watch or rewind a TV show while it is being recorded.

You don't have to wait until the end of the recording before starting playback.

- **Instant Replay:**

You can repeat a scene of a live TV show at the touch of a button (**JUMP BACK**), as often as you like.

- **Pause Live TV**

You can pause a live TV show by pressing **PAUSE II** to, say, answer a phone call, while the recording continues. By pressing **PLAY ►** , you can resume playback of the show at the scene it was interrupted.

Time Shift Buffer

The above features are available because the HDRW 720 uses a so-called Time Shift Buffer.

As soon as you turn on your DVD recorder, it starts recording from the current TV channel into the Time Shift Buffer. The DVD recorder stores all the TV shows you watched since you turned on the recorder. If you watched a TV show for more than 60 seconds, the recorder will insert a marker. If information is already available from the GUIDE Plus+® system, the recorder will store the title and mark the beginning of the TV show.

Note: When you are recording from a cable box through the external input jacks, the title and start/end information will not be available.

If the Time Shift Buffer is full (the default setting is 3 hours) the recorder will delete the oldest

recording to make room for new recordings. You can mark TV shows or parts of these to be recorded permanently on the HDD while the other contents of the Time Shift Buffer will be deleted.



The Time Shift Buffer can be best compared to a conveyor belt running from right to left. A TV show resembles a package on this conveyor belt. If you change the programme number or the GUIDE Plus+® system detects the start of a TV show, a new package will be placed on the conveyor belt. You can adjust the time a package will remain on the conveyor belt from 1 to 6 hours (the default setting is 3 hours).

As long as the packages are still on the conveyor belt, you can mark them red (**REC/OTR ●**) or remove the marker (**RED** function button).

You can only mark the package that's directly in front of you.

At the end of the conveyor belt (the preset time has expired), the recorder will decide whether a package will be stored (marked red) or destroyed (unmarked). Only the packages that are marked red will be stored.

If you delete the Time Shift Buffer, the recorder will immediately remove all packages from the belt, storing only those you marked red.

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Simultaneous recording and playback

Thanks to the built-in HDD and the high data rates it can achieve, you can record and play back at the same time.

This enables you to:

- watch, pause, or rewind a TV show while it is being recorded (FlexTime, Pause live TV)
- watch a TV show stored on the HDD while another recording is being made
- playback a DVD while the HDD records a TV show.
- store (archive) a TV show from the HDD to a DVD+RW/+R while another show is being recorded on the HDD.

Media Browser

The Media Browser provides an overview of all the recordings on the HDD. You can display a list of all recordings according to certain criteria ('**Recording Date**', '**Protected**'...). You can select recordings in the Media Browser for playback, editing, or storage on a DVD+RW/+R (archiving). Moreover, you can lock recordings that you can only play back after entering a valid PIN code. If you haven't entered a PIN code yourself, then the PIN code is '0000'.



Changing the PIN code

- 1 Press **DISC MENU** and then **SYSTEM MENU**,
- 2 Select '⏮' with **◀**, then select the '🔒 (Disc features)' symbol with **▼**, and confirm with **▶**.
- 3 Confirm '**Access control**' with **▶** and enter the 4-digit code. Re-enter the code for confirmation and press **SYSTEM MENU** to end.
For more information, read chapter 'Access control (child lock)' in the user manual.

Archiving titles on a DVD+RW/+R

You can copy (archive) recordings from the HDD to a DVD+RW/+R.

To do so, select the desired recording in the Media Browser and press the '**ARCHIVE**' colour function button. That's all!

Since the archiving process will take some time, you can switch to a different TV programme in the meantime by pressing **CHANNEL +**,

CHANNEL -. Please note that you cannot use the FlexTime, Instant Replay, and Pause LiveTV features of the Time Shift Buffer or play back a recording from the HDD during the archiving process, since the HDD is already playing back a recording (copying from the HDD to the DVD+RW/+R). Nevertheless, it is possible to make recordings into the Time Shift Buffer (the Time Shift Buffer is filled). If you turn off the DVD recorder using **STANDBY** ⏻, the archiving process will continue until it is completed, and then the DVD-Recorder will switch off automatically.

Time Shift Buffer (continued)

The Time Shift Buffer is the heart of your HDRW 720. All recordings, except those via the front sockets, will be made into the Time Shift Buffer first.

You can mark a recording to be stored permanently on the HDD.

Recordings are copied on the HDD when:

- the preset Time Shift Buffer period expires (the default setting is 3 hours)
- the Time Shift Buffer is deleted ('**Flush Buffer**'function(**SYSTEM MENU** button, '**Set up**'menu))
- you turn off the DVD recorder with **STANDBY** ⏻
- you switch to camera mode using **CAM** (switch back with the same button).
- date/time or channel settings have changed (menu is called up).

You can either set markers yourself or the DVD recorder can set such markers automatically, e.g. : timer recordings. The Time Shift Buffer keeps record of which TV shows you watched during the last hours. This is shown using the so-called time bar with a series of recorded programmes on the screen.

On the right-hand side, you can see a moving ||||| symbol indicating that the Time Shift Buffer is being filled.

On the left-hand side, you can also see a moving ||||| symbol indicating that the Time Shift Buffer is being emptied, i.e. recordings are being discarded. The programmes in the Time Shift Buffer are separated by a vertical line. The name of the TV show is displayed above the line. The time information on both sides of the time bar indicate the start and end time of the Time Shift Buffer. The current recording time is on the right-hand end, and the oldest recording on the left-hand end.

Navigation in the Time Shift Buffer

You can move to any position within the Time Shift Buffer and watch the recording that was stored at that time. The indicator (yellow rectangle on the time bar) shows the playback position in the Time Shift Buffer. You can move this indicator using the ►, ◀ buttons. If the playback position is as far on the right-hand side as it can get, you are watching the current (live) picture of the TV channel you are tuned in. In the header of the Time Shift Buffer, you will see an aerial symbol (contrary to the HDD symbol that appears when playing back from the HDD).

The following is a short overview of the basic buttons for navigation in the Time Shift Buffer:

◀◀, JUMP BACK, ◀

When you reach the left end of the time bar, the recorder will switch to normal playback speed.

▶▶, JUMP FWD, ▶

When you reach the right end of the time bar, you are watching the current TV programme. It is not possible to move further to the right. In order to do so, the recorder would have to anticipate the future programme. You can use ▶▶ to 'catch up' with the current TV programme.

PAUSE II If you stopped playback, the indicator will remain at that position until the preset time of the Time Shift Buffer has reached that position (the indicator reaches the left end of the time bar). When it reaches the end, the DVD recorder will automatically switch to playback.

PLAY ▶ Playback at normal speed. The limits of the Time Shift Buffer cannot be exceeded.

Recordings using the Time Shift Buffer

Recordings are always stored in the Time Shift Buffer first.

The following recording options are available:

- Programmed recordings (TIMER) that will be carried out automatically at a predefined date/time
- Direct recording of the current, live TV programme.
- Marking of TV shows that have already been stored in the Time Shift Buffer.

You can mark recordings in the Time Shift Buffer to store them on the HDD instead of having them discarded when the Time shift Buffer period expires. When a TV show is marked, a red marker appears on the time bar of the Time Shift Buffer. This marker indicates the recording. You don't need to do anything else.

The DVD recorder automatically transfers a show to the HDD when:

- the preset Time Shift Buffer period expires (the default setting is 3 hours).
- the Time Shift Buffer is deleted ('Flush Buffer' function (SYSTEM MENU button, 'Set up' menu)).
- you turn off the DVD recorder with **STANDBY** ⏻.
- you switch to camera mode using **CAM** (switch back with the same button).
- date/time or channel settings have changed (menu is called up).

In the case of programmed recordings, the marker is set automatically. After that, the recording is also automatically stored on the HDD. When a red marker has been set, you do not need to do anything else. Even if you turn off the recorder with **STANDBY** ⏻, the recording will be stored first before the DVD recorder automatically switches off.

Programming a recording

You have the following options for programming a recording:

The GUIDE Plus+® system:

Select the TV show you want to record from an overview displayed on the screen.

The ShowView® system:

By entering the ShowView programming number, you automatically set start/stop time, date, and programme number

Manual programming.

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Manually started recordings

To record the current TV show, press **REC/OTR** ● .

If you want to stop the recording, press the **STOP** ■ button. Select 'Yes' using ◀ and confirm with **OK** .

If you want to mark a TV programme in the Time Shift Buffer, move the button on the time bar using ▶ , ◀ within the desired programme and press **REC/OTR** ● . To remove the marker, press the **RED** function button. The time bar must be visible. (**INFO** button)

Recording mode

Recordings on the HDD will be carried out in an adjustable recording quality, the so-called recording mode. The higher the quality, the greater the HDD space required. The recording quality is indicated as M1, M2, M2x, M3, M4, M6, and M8. The number indicates the number of hours that will fit on a single-layer, 4.7GB DVD+RW or DVD+R. This means that you can store only 1 hour of 'M1' recordings on a DVD+RW/+R, while 8 hours of 'M8' recordings will fit on the same disc.

This is particularly important when you want to copy recordings from the HDD onto a DVD+RW/+R. The quality of recordings on the HDD cannot be changed at a later stage.

For example:

A 3-hour movie that was stored on the HDD in recording quality 'M1' will not fit on a DVD+RW/+R (M1=1 hour on a DVD+RW/+R). Only 1 hour of this movie can be copied onto a DVD+RW/+R. If you recorded the same movie in recording mode M3, the entire movie would fit on a DVD+RW/+R. (M3=3 hours on a DVD+RW/+R).

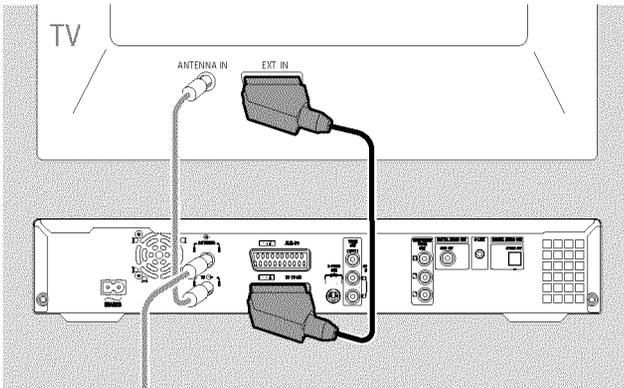
A few closing instructions

If you have any problems operating the device:

- 1) Read the items in the User Manual in the section 'Before you call an engineer'
- 2) Visit the Internet site <http://www.philips.com/support> to get some online help,
- 3) Call the customer support service. You will find the telephone numbers at the back of the User manual.

Connecting to the TV

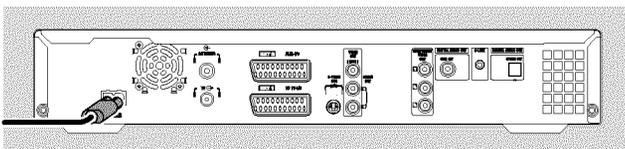
- 1 Switch off your TV set.
- 2 Remove the aerial cable plug from your TV set. Insert it into the **ANTENNA IN** socket at the back of the DVD recorder.
- 3 Insert one end of the supplied aerial cable into the **TV OUT** socket at the back of the DVD recorder and the other end into the aerial input socket at the back of the TV set.
- 4 Connect socket **EXT1 TO TV-I/O** or sockets **S-VIDEO OUT (Y/C)**, **VIDEO OUT (CVBS)**, **AUDIO OUT L/R** with the corresponding sockets of your TV set.



Connecting to the mains

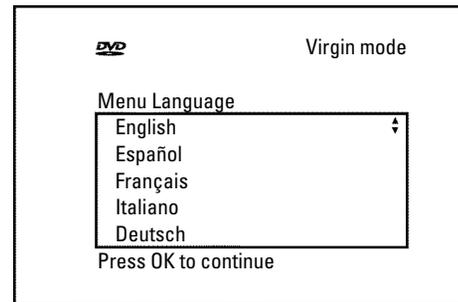
Always check if the local mains voltage matches the voltage range printed on the type plate at the back or bottom of the DVD-recorder. If not consult your dealer or the customer support from your country.

- 1 Switch on the TV set.
- 2 Insert one end of the supplied mains cable into the mains socket **~ MAINS** at the back of the DVD recorder and the other end into the wall socket.

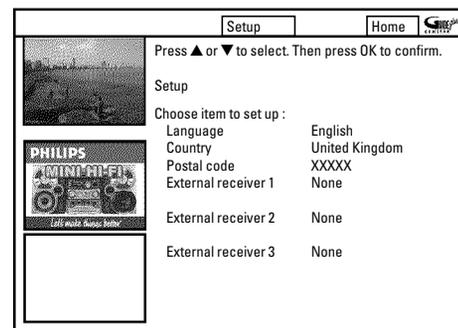


Initial installation

- 1 Press **STANDBY-ON** on the front of the DVD-recorder → 'PHILIPS' and then 'IS TV ON?' will appear on the display.
- 2 If necessary, select the programme number for the input socket at the TV set. → The initial installation menu appears on the screen.



- 3 Select your favourite setting using **▼** or **▲**. Confirm with **OK**.
- 4 Proceed in the same way with the further menus: '**Audio Language**', '**Subtitle**', '**TV shape**', '**Country**'. → The Automatic channel search starts after the confirmation of the message '**If you have connected the antenna - press OK**' using **OK**. → After all channels have been found, the menu for Time/Date setting appears. Check the data displayed and change them if necessary
- 5 To end, press **SYSTEM MENU**.
- 6 Press **GUIDE/TV**.



- 7 Select line '**Postal code**' and confirm with **OK**.
- 8 Choose the entry position using **▶**, **◀**. Select the local post code of your location using **▲**, **▼**, or the number buttons **0..9**.
 - Depending on the country you select, you can also enter letters using **▼** or **▲**.
- 9 Confirm the local post code with **OK**.
- 10 To end, press **GUIDE/TV**.

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Installation of the GUIDE Plus+® System

The TV channel that transmits the GUIDE Plus+® system information must be installed.

The country and the local post code must have been set in the GUIDE Plus+® system .

If you did not find your country in this list, no TV channel will be provided the GUIDE Plus+® system information.

On the internet page <http://www.europe.guideplus.com> you will find further informations and tips.

Country/City (Language)	TV-channel (aerial)	TV-channel (SAT)
Deutschland	Eurosport	Eurosport Astra 19.2E
Österreich	Eurosport	Eurosport Astra 19.2E, Hotbird 13.0E
Schweiz (Deutsch)	Eurosport	Eurosport Astra 19.2E
United Kingdom	ITV	Eurosport Astra 28.2E
France	Canal+	
España	Tele 5	
Nederland	Music Factory (TMF) / Eurosport	TMF Astra 19.2E Eurosp. Hotbird 13.0E
- Eindhoven	Music Factory (TMF)	Music Factory (TMF) Astra 19.2E
- Rotterdam	Music Factory (TMF)	Music Factory (TMF) Astra 19.2E
- Amsterdam	Music Factory (TMF)	Music Factory (TMF) Astra 19.2E
België (Flemish)	Music Factory (TMF)	Music Factory (TMF) Astra 19.2E

- 1 Switch the DVD-recorder to the TV channel which transmits the GUIDE Plus+® data (see table).

TV channel at the external receiver

- Tune the external receiver (Set top box, cable box,...) to the right TV channel (see table).

- On the DVD recorder, select the programme number of the input socket to which the external receiver is connected:

'EXT2' Scart socket at the back of the DVD recorder **EXT2**

AUX-I/O

'EXT 1' Scart socket at the back of the DVD recorder **EXT1 TO**

TV-I/O

- Leave the external receiver switched on (not standby).

- 2 Leave the DVD recorder switched on during the night to load the GUIDE Plus+® data.
The information will be available in the next 24 hours.

- If data are available, following screen will appear if you press the **GUIDE/TV** button.



- 3 To store the setting, please switch off the DVD-Recorder with **STANDBY** ⏻ for 5 minutes.

Installation of the external Receiver

If you have connected an external receiver (satellite receiver, set-top box, cable TV box), you must also install it in the GUIDE Plus+® system. TV programmes (TV channels) that you can only watch via the receiver can also be displayed in the GUIDE Plus+® system and be programmed for recording.

Additionally the update of the GUIDE Plus+® data will also be done via the external receiver.

- Press **GUIDE/TV**

- Select the menubar using **▲** and then '**Setup**' using **▶** (second menu page).

- Select the line '**Setup**' using **▼** and confirm with **OK** .

- Select '**External receiver 1**' in the '**Setup**' menu using **▼** , **▲** and confirm with **OK** .

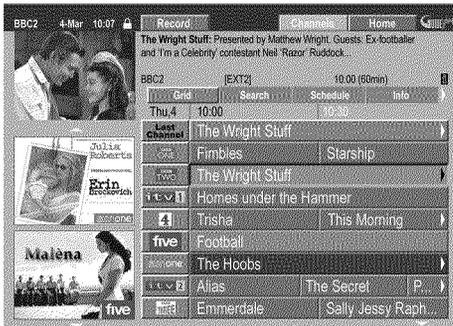
- Follow the instructions on the screen.

For more information on the settings, read section 'Setting up the GUIDE Plus+® system' in chapter 'The GUIDE Plus+® system'.

Programming recordings with the GUIDE Plus+® System

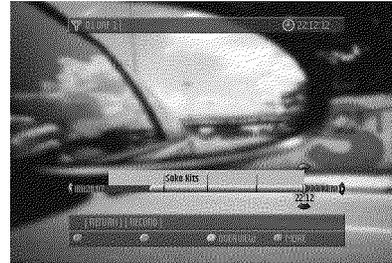


- 1 Press **GUIDE/TV** on the remote control.



- 2 Use **▲** or **▼** to select the TV station, and **◀** or **▶** to select the show to record.
You can page through channels using **CHANNEL +** , **CHANNEL -** and page through days using **◀◀** , **▶▶** .
- 3 Confirm using the red function button of the remote control ('**Record**' on the screen).
→ The TV -show is programmed for recording.
Read the information on the screen.
- 4 End with the **GUIDE/TV** button.

Recording on the HDD



As soon as you turn on the DVD recorder, the currently selected TV channel on the DVD-Recorder is recorded in a temporary storage (Time shift Buffer).

Therefore, you can jump back to the currently selected TV programme using **JUMP BACK** and watch a scene again.

Moreover, you can use all playback features such as still picture, slow motion, search by time, search with **◀◀** , **▶▶** even with recordings that are still in the time shift buffer.

In the meantime, the recording continues.

Recordings in the time shift buffer will be automatically deleted (factory setting 3 hours).

Only recordings marked in the Time shift Buffer will be stored on the the built-in HDD

Symbols in the 'Time Shift Buffer'

Following symbols can appear in the info bar at the top of the screen in the 'Time Shift Buffer'. With the **INFO** button on the remote control you can also call up this infobar.

Left area

Information about the input signal were displayed here:

'Y' Actual TV show (live picture) from the selected TV channel

'P01' Programme/Channel number of the selected TV channel

'ARD' Name of the TV-channel

⏮ Playback from the HDD

Right area

Information about the current operating status were displayed here:

⌚ 16:03:02' Actual (live) picture of the selected TV-channel
(**TUNER** button)

▶ **PLAY** Playback from the HDD

⏸ **PAUSE** Still picture

▶ **1/2X** Slow motion forwards

'◀ **-1/2X** Slow motion backwards

▶▶ **4X** Fast motion forwards

'◀◀ **-4X** Fast motion backwards

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Buttons in the 'Time Shift Buffer'

- 1 Press **INFO** to display the bar of the time shift buffer on the screen.
- 2 The following buttons are available:
 - **◀◀** , **▶▶** , **PLAY ▶** , **PAUSE II** , **◀** , **▶** , **JUMP FWD** , **JUMP BACK** for navigation in the time bar.
 - **RETURN**
You can jump back to the previous scene of the time shift buffer or to playback from the HDD.
If you press this button again, you can switch to the picture of the actual running TV show.
 - **TUNER**
To switch to the actual TV show (live) of the selected TV channel.
 - **T/C**
Switching between title/chapter for selection using **◀◀** , **▶▶** . The top screen line displays either '**TITLE**' for selecting titles or '**CHAPTER**' for selecting chapters
 - **REC/OTR ●** :
 - To start a recording that will be stored on the HDD.
 - To mark a title that will be stored on the HDD.
 - Hold button down to start the recording from the actual position.
 - **RED** function button:
 - To cancel the marked recording that was set with the **REC/OTR ●** button.
 - Hold button down to stop the recording at the actual position.
 - **YELLOW** function button: ('**OVERVIEW**')
To display an overview of all content of the time shift buffer.
 - **BLUE** function button: ('**MORE INFO**):
To display any additional information for the actual TV show transmitted by the GUIDE Plus+® system.

Manual recordings

When you switch on the DVD recorder, the currently selected TV programme will be recorded in the Time Shift Buffer. In order to store a recording on the HDD, you must mark it red in the Time Shift Buffer (time bar) before the Time Shift Buffer is deleted.

How can I delete the Time Shift Buffer?

- Switch off the recorder using **STANDBY** ⏻
- Select the '**Flush Buffer**' feature (**SYSTEM MENU** button, '**Set up**' menu)
- The preset time of the Time Shift Buffer (1-6 hours) has expired

Starting a recording with data from the GUIDE Plus+® system

The GUIDE Plus+® system provides the DVD recorder with data on the start and end time of TV shows. These are shown as black bars on the time bar.

- 1 In case the time bar of the Time Shift Buffer is not visible on the screen, press **INFO** on the remote control.
- 2 Press **REC/OTR ●** .
 - The red light around the record button ● on the front will switch on.
 - '**1 Programm**' will appear on the screen on the right end of the time bar.
This indicates that the recording will automatically end at the end of the TV show.
If you want to record the next TV show of the same TV channel as well, press **REC/OTR ●** again. '**2 Programmes**' will appear.

Recording the previous TV show

If the DVD recorder has been on for some time, the Time Shift Buffer already contains recordings. You can select those recordings (TV shows) that you want to store on the HDD.

- Select the recording using **▶** or **◀** (indicator must be between the markers)
- Press **REC/OTR ●** to mark the recording.
You can remove the marker using the **RED** function button.

Starting a recording without data from the GUIDE Plus+® system:

If no data is available from the GUIDE Plus+® system, or in case the recording is made from a satellite receiver connected to the **EXT1 TO TV-I/O**, **EXT2 AUX-I/O** socket, the time bar will not display any data on the beginning, end, and title of the TV show.

- 1 In case the time bar of the Time Shift Buffer is not visible on the screen, press **INFO** on the remote control.
- 2 Press **REC/OTR** ● .
 - The red light around the record button ● on the front will switch on.
 - '**I Programm +30'** will appear on the screen on the right end of the time bar. This indicates that the recording will automatically end after 30 minutes. Press **REC/OTR** ● several times to prolong the switch-off time.

Recording the previous TV show

If the DVD recorder has been on for some time, the Time Shift Buffer already contains recordings. You can select those recordings (TV shows) that you want to store on the HDD.

- Select the beginning of the oldest recording with ◀ or ▶ and hold down **REC/OTR** ● to mark the recording from the beginning.
 - Select the end of the most recent recording using ▶ or ◀ and hold down the **RED** function button to cut off the end.
- You can remove the marker using the **RED** function button.

Starting a recording from the current position (from here onward)

You can also start a recording immediately, regardless of the recordings in the Time Shift Buffer.

- 1 Hold down **REC/OTR** ● until the red light on the record button ● at the front switches on.

Ending a recording automatically

Recordings will be automatically ended if data from the GUIDE Plus+® is available or if you entered the end while starting a recording (30-minute steps).

Ending a recording manually(immediately)

- 1 If necessary, switch the TV set to the programme number (input socket) of the DVD recorder.
- 2 Press **STOP** ■
 - A message appears on the screen, asking whether you really want to end the recording.
 - If you want to end the recording, select '**Yes**' with ◀ and confirm with **OK** .
 - If you do not want to end the recording, confirm '**No**' using **OK** .

STOP ■ will always end only the current recording (current time).

If you want to end a recording earlier than scheduled (jump back in the Time Shift Buffer using ◀), proceed as follows:

- Press **INFO** to display the time bar.
- Hold down the red function button.

- 3 To permanently store the recording on the hard disk, you have to erase the Time Shift Buffer. The following options are available:
 - the preset Time Shift Buffer period expires (the default setting is 3 hours)
 - the Time Shift Buffer is manually erased ('**Flush Buffer**'function(**SYSTEM MENU** button, '**Set up**'menu))
 - you turn off the DVD recorder with **STANDBY** ⏻
 - you switch to camera mode using **CAM** (switch back with the same function button).

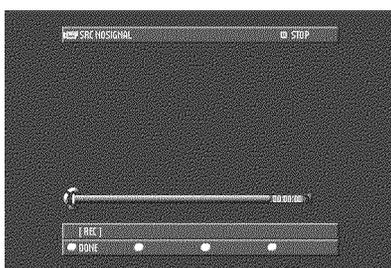
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Recording from the front sockets

Using this function, you can store recordings via the front sockets directly on the HDD.

You can edit these recordings on the HDD and transfer (archive) them later with higher speed on a DVD+RW/+R disc.

- 1 Connect the camcorder as described in the chapter 'Connecting additional devices/Connect camcorder to the front sockets'
- 2 Press **CAM** on the remote control.
→ The DVD recorder will switch to camera mode.



- 3 Select the socket to which the camcorder is connected using **CHANNEL +** or **CHANNEL -**.
 - **'CAM1'**
For recordings from the **VIDEO (CAM1)**, **S-VIDEO (CAM1)** sockets.
Switching between the two sockets is done automatically.
 - **'CAM2'**
For recordings from the **DV IN (CAM2)** socket.
- 4 Press **REC/OTR** ● to start the recording.
- 5 You can stop the recording using the following buttons:
 - **PAUSE II**
The recording will be paused. If you press the button again, the recording will resume.
A new chapter is created.
 - **STOP** ■
The recording will be interrupted. You can start a new recording by pressing **REC/OTR** ● .
A new title is created.
- 6 Press **CAM** to terminate the camera operating mode.
→ The recording will be stored on the HDD as a new title.
- 7 Press **CAM** to terminate the camera operating mode.
→ The recording will be stored on the HDD as a new title.

Archiving (storing) titles on a DVD+RW/+R

You can choose the title of the HDD that you want to transfer on a DVD+RW/+R.

Please observe:

For archiving you can only use the same recording quality that was used for recording on the HDD. You cannot change the recording quality for recordings on a DVD+RW/+R.

- 1 Insert a DVD+RW/+R on which you want to store the selected titles.
- 2 Press **BROWSER HDD** .
→ The media browser appears with an overview of all recordings on the HDD.
- 3 Select the title you want to copy on the DVD+RW/+R using ▼ , ▲ .
 - If you want to archive several titles at a time, mark the desired titles with **SELECT** .
- 4 Start the archiving process by pressing the green function button.

*If this button is not visible on the screen, check if this title is available in the 'Time shift Buffer'. If necessary switch the DVD-Recorder off using **STANDBY** ⏻ or use the 'Flush Buffer' function (button **SYSTEM MENU** , menu 'Set up')*

- A message indicating the process appears both on the screen and in the display.
- During and after the archiving process, you see the TV show of the currently selected TV channel. The buttons ◀ , ▶ , **JUMP BACK** , **JUMP FWD** , **PLAY** ▶ , **PAUSE II** are without function during archiving. Timer recordings will take place.

Interrupt the process

*Press the yellow function button. If necessary call up the information on the screen using the **INFO** button.*

Finalising a DVD+R

If recordings were stored (archived) on a DVD+R you have to finalise it to make play back in a DVD-Player possible.

- Press **DISC MENU** and then **STOP** ■ to mark the first title.
- Press ▲ to go to the 'disc info screen'
- Press ▶ and select then the line '**Finalise disc**' using ▼ .
- Confirm with **OK** .

Playback from the HDD

Each recording stored on the HDD is displayed in the media browser with a corresponding index picture.

- 1 Press **BROWSER HDD** on the remote control or **HDD** on the DVD recorder.
→ The Media Browser appears.



- 2 Select the title you want using **▼**, **▲** on the remote control or **DOWN**, **UP** on the device.

You can switch a page forward or back using **CHANNEL +**, **CHANNEL -**.

- 3 You can choose one of the following options to start playback:
 - **OK**
Playback always starts at the beginning of the selected title.
 - **PLAY ►**
Playback will start at the position where it was interrupted in the selected title (**STOP ■**). This also works if other titles or DVDs have been played in the meantime.

Symbols in the 'Media Browser'

If you call up the Media Browser with the **BROWSER HDD** button, following symbols can appear in the info bar at the top of the screen:

- ☑ This title was marked in the Time Shift Buffer for the storage on the HDD. This title can only be deleted or locked (child lock). If you want to make additional changes, you have to flush the time shift buffer. Use therefore the '**Flush Buffer**' function (button **SYSTEM MENU**, menu '**Set up**') or switch the DVD-Recorder to standby.
- 👁 This title has been played once (has been 'watched'). If there is no storage capacity free on the HDD such 'watched' titles will be deleted automatically if the function '**Auto delete**' is switched on. You can change these setting in the title edit menu (**EDIT** button, blue button, **EDIT** button)
Titles that were not played back, will have no symbol.
- ✓ The title is protected against editing and '**Auto delete**'. If the title is not protected, no symbol will be shown.
- 🔒 Child lock is activated. The index picture is switched off. Playback starts only if the right PIN code was entered. If no PIN code has been entered or the PIN code was deleted, the PIN code is '0000'.

Change the Code

- Press **DISC MENU** and then **SYSTEM MENU**.
 - Select the symbol **⏏** using **◀** then **⏏ (Disc features)** with **▼** and confirm using **▶**.
 - Confirm the line '**Access control**' using **▶** and enter the 4 digit code. Enter the code again for confirmation and end using **SYSTEM MENU**.
- In the section '**Changing the PIN code**' in chapter '**Access control (Child Lock)**' you will find further informations.

👁 The marked titles will be stored (archived) on a DVD+RW/+R.

Buttons in the 'Media Browser'

- **Delete title:**
red function button
The title (recordings) will be erased from the HDD.
- **Archive title:**
green function button
The title will be transferred to DVD+RW/+R. If it is not possible to record on a DVD+RW/+R, an error message appears (disc not inserted,...).
If you want to archive several titles, mark the desired titles with **SELECT**. You can unmark the title using the same button.

Available functions during archiving

- Switching between the TV channels using **CHANNEL +**, **CHANNEL -**.
- The selected TV show is recorded in the time shift buffer.
- Timer recordings takes place

- **Lock/unlock title (child lock):**
yellow function button
Playback starts only if the right PIN code was entered. If no PIN code has been entered or the PIN code was deleted, the PIN code is '0000'. How you change the PIN code you will read in the section '**Symbols in the media browser**'
- **Protect/unprotect title against editing, automatic deletion:**
blue function button
An error message will appear if you try to edit this title. Automatically deletion will take place, if your HDD will run full with recordings. Stored recordings will be deleted in a certain order. See details in the section '**Symbols in the media browser**'

Switch over to the actual TV channel during playback from a disc

You can play back a disc, while the current TV show is still being recorded.

- 1 To interrupt playback from a disc, press **TUNER**
→ You will see the TV-show from the selected TV channel on the DVD-recorder
- To continue playback, from the disc press **DISC MENU**.

Quick install guide

The remote control



- REC/OTR** ● Record the current TV show on the HDD, mark recordings in the time shift buffer to be stored on HDD.
Hold button down to start the recording from now. (Mark the recording from the beginning of the actual position in the Time Shift Buffer).
- STANDBY** ⏻ To switch set on or off, interrupt menu function.
A programmed recording (TIMER) or an archiving process will be continued until the end, and the device will then be switched off.
- CAM** Switch to 'Camera mode' (recording directly on the HDD and not through time shift buffer).
- TV/HDD** Switches scart socket **EXT2 AUX-I/O** of the DVD recorder directly to the TV set. This lets you watch the picture from any unit connected to this scart socket (set-top box, video recorder or satellite receiver) and at the same time record from another source.
If you have not connected a device to the **EXT2 AUX-I/O** socket or the device is switched off, you can use this button to switch between TV reception and the signal of the DVD recorder.
This, however, functions only if you have connected your TV set to the DVD recorder using a scart cable (socket **EXT1 TO TV-I/O**) and your TV set reacts to the switching.
- RETURN** Return to previous menu on a video CD (VCD). This also works with some DVD discs.
Moreover, you can jump back to the previous scene of the time shift buffer during playback from the HDD. You can switch to the picture of the actual running TV show with the **TUNER** button.
- EDIT** Call up/Cancel the edit menu.
Call up/Cancel the menu for editing titles during playback.
- TIMER** ⌚ To make a TIMER programming with/without ShowView® system or to alter/clear programmed recordings.
- SELECT** Select function/value.
You can mark several titles in the media browser.
Switch on repeat play during playback from a disc.
You can switch to upper case characters if you enter names
- TUNER** This button lets you switch to the picture of the internal tuner (TV channel).
During play back from the Time Shift Buffer, you can jump to the actual TV show (live) of the selected TV channel.
- SYSTEM MENU** Call up/Cancel the system menu.
Depending on the operating mode from which you press this button:
 -) DVD system menu: Press **DISC MENU** first.
 -) HDD system menu: Press **TUNER** first.
- DISC MENU** For displaying the DVD menu or the index screen overview.
- INFO** For displaying additional information on the screen or the time shift buffer during playback/recording on the HDD.
Call up additional information in the GUIDE Plus+® system.
- BROWSER HDD** Call up/cancel the overview of HDD recordings (media browser).
- GUIDE/TV** Call up/Cancel the GUIDE Plus+® System
 - ▲ ▼ Cursor buttons up, down in the menus.
Previous or next position in the time shift buffer during playback from HDD.



◀ ▶ Cursor buttons left, right in the menus.
Previous or next position during playback of a title from the HDD (media browser or time shift buffer). If you hold down this button you can faster browse through the recordings. The speed will increase automatically.

OK Confirming of functions
Starting the playback from the beginning in the 'Media Browser'.

STOP ■ Stop playback /Recording
Hold down the button to open and close the disc tray.

PAUSE II If this button is pressed during playback, the DVD recorder switches to pause. You will see a still picture. If this button is pressed during recording in the 'Camera mode', the DVD recorder switches to pause and inserts a chapter marker.

PLAY ▶ Play back a recorded disc.

CHANNEL + Next programme number
In the GUIDE Plus+® system one page forward

CHANNEL - Previous programme number
In the GUIDE Plus+® system one page back

JUMP BACK To jump back a certain time period (factory setting 30 seconds) The setting can be changed in the settings of the HDD (button **TUNER**, **SYSTEM MENU**, line '**Set up**', '**Jump back**')

◀◀ Briefly press the button during playback: Previous chapter or previous title
Hold down the button: Search backwards
Hold down the button during the still picture: slow motion backwards
In the GUIDE Plus+® System in the '**Grid**' screen one day back.
In the title edit menu (button **EDIT**, line '**Video edit**') you can jump to the beginning during still picture (button **PAUSE II**). This is needful if you want to hide a scene at the beginning.

▶▶ Briefly press the button during playback: Next chapter or next title
Hold down the button: Search forwards
Hold down the button during the still picture: slow motion forward
In the GUIDE Plus+® System in the '**Grid**' screen one day forward.
In the title edit menu (button **EDIT**, line '**Video edit**') you can jump to the end during still picture (button **PAUSE II**). This is needful if you want to hide a scene at the end.

JUMP FWD To jump forward a certain time period (factory setting 30 seconds) The setting can be changed in the settings of the HDD (button **TUNER**, **SYSTEM MENU**, line '**Set up**', '**Jump forward**')

0..9 For entering numbers or characters at the corresponding entry fields.

T/C Switching between title and chapter for selection using ◀◀, ▶▶. If '**INFO**' appears in the display, the index menu from a recorded disc will be shown or an introductory film will be played. In this case, this function is not available.

DISC MANAGER Call up/Cancel the disc manager (DM).

Quick install guide



Colour buttons

You can call up different functions in the menus using the following colour buttons. The functions will be shown in a bar at the bottom of the screen. If this bar is not visible, you can display it using the **INFO** button.

Most of the colour buttons work only if this bar is visible.

RED Red function button, in some screens the function of a 'clear' button (e.g. Disc Manager, '**Sort TV channels**' menu, edit the title name,...). Stop recordings in the time shift buffer.

GREEN Green function button

YELLOW Yellow function button

BLUE Blue function button

Additional TV functions

With the enclosed multicode remote control you can control the main functions of your TV set. To do this, you must first enter a code number that corresponds to the type/brand of your TV set. You will find the code numbers on the last page of the user manual. How to enter this code number you will read in the chapter 'Using your DVD-Recorder remote control with your TV set'.

TV VOLUME + Increase TV volume

TV VOLUME - Reduce TV volume

For the following functions you need to hold down the **• TV** button (on the left side) and then select the function you need with the appropriate button.

STANDBY  Switch on/off TV set

0..9 Number buttons 0 - 9

CHANNEL + To select a higher programme number

CHANNEL - To select a lower programme number

Additional TV functions for Philips TV-sets if supported from the TV. You need to hold down the **• TV** button (on the left side).

T/C switch Teletext (TXT) on/off

TIMER  Clock display on the screen on/off

RETURN To return to the previous selected TV program/ previous menu step

SYSTEM MENU Call up the System Menu from the TV

▼ , ▲ In the menu cursor up/down

◀ , ▶ In the menu cursor left/right

OK Confirm functions or settings

RED , GREEN , YELLOW , BLUE Colour buttons for special functions

TUNER Switching the TV from the external sockets to the internal tuner.

