Register you product and get support at

www.philips.com/welcome

DVR2008

EN	HDD Recorder	5
ZH-CN	硬盘录像机	59
ZH-TW	HDD 錄影機	113

PHILIPS

部件名称 Name of the Parts	有毒有害物质或元素 Hazardous/Toxic Substance					
	铅 (Pb,Lead)	汞(Hg, Mercury)	镉(Cd, Cadmium)	六价铬 (Chromium 6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
Housing 外壳	O	O	O	O	O	O
Hard Disk 硬盘	X	O	O	O	O	O
PWBs 电路板组件	X	O	O	O	O	O
Accessories (Remote control & cables) 附件（遥控器， 电源线，连接线）	X	O	O	O	O	O
Batteries in Remote Control (ZnC) 遥控器电池	X	O	O	O	O	O

○：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363 – 2006 标准规定的限量要求以下。
O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363 – 2006.

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363 – 2006 标准规定的限量要求。
X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363 - 2006.

环保使用期限 Environmental Protection Use Period

此标识指期限（十年）， 电子信息产品中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用该电子信息产品不会对环境造成严重污染或对其人身、财产造成严重损害的期限。

This logo refers to the period (10 years) during which the toxic or hazardous substances or elements contained in electronic information products will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.

电池标识 Battery labeling logo

环保使用期限 Environmental Protection Use Period

此标识指期限（五年），电池中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用该电池产品不会对环境造成严重污染或对其人身、财产造成严重损害的期限。

This logo refers to the period (5 years) during which the toxic or hazardous substances or elements contained in the **battery** will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.

1_DVR2008_97_eng_wk822.indd 2 2008-05-26 10:29:35 AM

For Customer Use:

Read carefully the information located at the bottom or rear of your HDD Recorder and enter below the Serial No. Retain this information for future reference.

Model No. HDD RECORDER DVR2008

Serial No. _____

1_DVR2008_97_eng_wk822.indd 3 2008-05-26 10:29:36 AM

1_DVR2008_97_eng_wk822.indd 4 2008-05-26 10:29:36 AM

Contents

1 Important 6
Safety 6
Notice 6

2 Your product 8
Features highlight 8
Product Overview 9

3 Connect 12
Place the unit 12
Connect antenna or cable 12
Connect video/audio cables 13
Connect other devices 15

4 Get Started 18
Prepare the remote control 18
First Time Settings 19

5 Watch live TV 21
Use your recorder to watch live TV 21
About Time Shift Buffer - temporary HDD storage 21
Control live TV 22

5 Record 23
Before you record 23
Record settings 23
Record the current TV programme 24
About timer recording 25
Schedule a timer recording 25
Edit a timer recording 26
View history of timer recordings 27
Record from other devices 28
Simultaneous record and play 28

6 Play 29
Play from USB 29
Play video 30
Play music 31
View photos 32
Control Play 33

7 Edit Recordings 35
About the recording list 35
Sort titles 35
Edit titles 36

8 Copy Files 41
Copy to USB 41
Copy to HDD 41

9 Adjust Settings 42
Language Settings 42
Tuner Settings 43
Video Settings 45
Recording Settings 46
System settings 47

10 Additional Information 51
Care 51
About Media Files 51
Upgrade software 52
Specifications 53

11 Troubleshooting 54

12 Glossary 57

1_DVR2008_97_eng_wk822.indd 5 2008-05-26 10:29:36 AM

1 Important

Safety

Warning!

Risk of fire or electric shock!

- Ensure that air can circulate freely through the ventilation holes on this unit. Allow at least 5~10 cm clearance around the unit.
- Never expose this unit to direct sunlight, naked flames or heat.
- Never place this unit on another electrical equipment.
- Keep away from this unit during lightning storms.
- Never remove the casing of this unit. Please leave all maintenance work to qualified personnel.
- Keep this unit away from water, moisture and liquid-filled objects.
- Install this unit near the AC outlet where the AC power plug can be easily reached.

Caution!

- Remove batteries if they are exhausted or if the remote control is not to be used for a long time.
- Do not mix batteries (old and new or carbon and alkaline, etc.).
- Batteries contain chemical substances, they should be disposed of properly.
- Use of controls or adjustments on performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Note

- Refer to the type plate at the rear or bottom of the product for identification and supply ratings.

Notice

Recycle notice

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

Copyright notice

The making of unauthorised copies of copy-protected material, including computer programmes, files, broadcasts and sound recordings, may be infringement of copyrights and constitute a criminal offence. This unit should not be used for such purposes.

1_DVR2008_97_eng_wk822.indd 6 2008-05-26 10:29:36 AM

Trademark notice

This product incorporates copyright protection technology that is protected by US patents. Use of this copyright protection technology must be authorised by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision. Reverse engineering or disassembly is prohibited.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

DivX Ultra Certified products: "DivX, DivX Ultra Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

1_DVR2008_97_eng_wk822.indd 7 2008-05-26 10:29:36 AM

2 Your product

Congratulations on your purchase and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

This recorder makes recording easy. With the built-in 160GB Hard Disk Drive, you can record up to 123 hours of video in SLP (Super Long Play) recording mode.

On top of that, you can store the DivX movies, music files and digital camera photos in the HDD Media Jukebox.

Note

- DO NOT disconnect the recorder from the power supply unless you are not using this product for a long period of time. Power is needed to enable the recorder to perform essential tasks like timer recording.

Features highlight

Pause Live TV
You can pause any live TV programme by pressing the PAUSE LIVE TV button. Resume play by pressing the PAUSE LIVE TV button again. You can now continue watching the remainder of the programme. To return to the live TV programme, just press the LIVE TV button.

Instant Replay
You can repeat any scene of a live TV programme by pressing the left button on the remote control. To return to live TV programme, press the STOP button.

FlexTime
With FlexTime, you can watch a TV programme while it is recorded. You do not need to wait for the recording to finish to watch it.

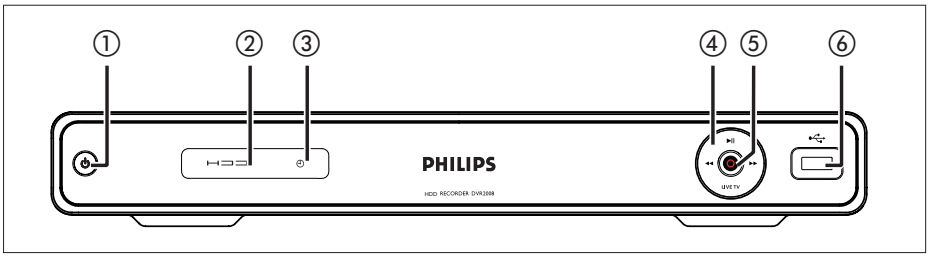
Time Shift Buffer (TSB)
Once you turn on the recorder, the Time Shift Buffer stores the TV channel it is tuned to. It can store up to 10 (ten) hours of TV programmes in SP mode and automatically removes anything that is older.

Media Jukebox
The media jukebox stores media files (video, music and photos). These files are stored according to its media type.

Enhanced USB upgrade
You can get information and upgrade the software from a USB flash drive.

1_DVR2008_97_eng_wk822.indd 8 2008-05-26 10:29:36 AM

Product Overview



Main Unit

① ⏻ (Standby-on)
- Turns on this unit or switches to standby mode.
- Blinks rapidly when receiving command signals from the remote control.

② HDD Indicator

③ ◷
- Lights up when a timer has been programmed.

④ ▶II (Play/Pause)
- Starts/ pauses playback or recording.

◀◀ ▶▶
- Press to make a forward/ reverse search.

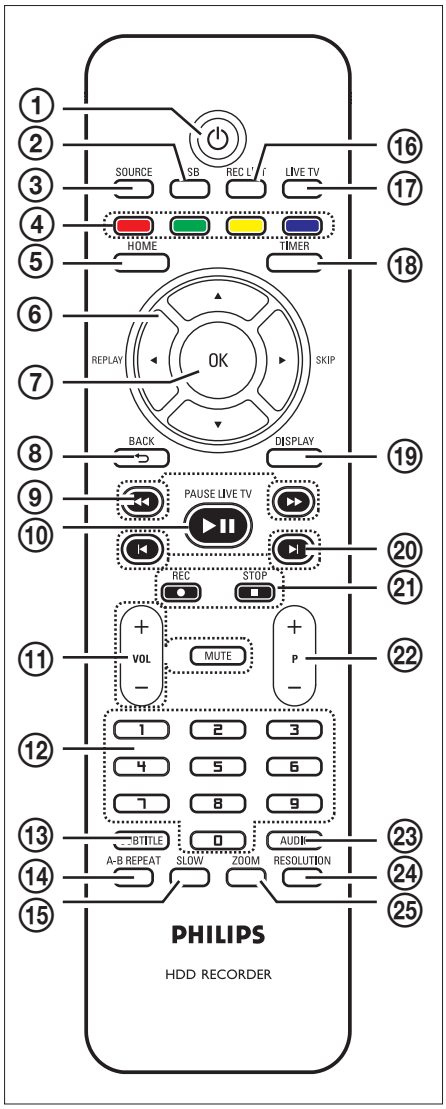
LIVE TV
- Go to tuner mode.
- In time shift mode, go to current broadcast position.

⑤ ● (Record)
- Starts recording the current TV channel or the current video source.
- Press repeatedly to extend the recording time.
- Indicator lights up during recording.

⑥ USB
- Input for USB device or digital camera.
- Only brands and models of digital cameras and devices which conform to USB Mass Storage Device class standard are supported.

1_DVR2008_97_eng_wk822.indd 9 2008-05-26 10:29:37 AM

Remote Control



① ⏻
- Turns on the recorder or switches to standby mode.

② USB
- Access the contents of the connected USB device.

③ SOURCE
- Selects the recorder video source (Tuner, CVBS or YPbPr).

④ Colour coded buttons
- Selects the corresponding screen option.

⑤ HOME
- Access/ exits the home menu.

⑥ ◀ ▶ :
- Cursor keys for moving to the left/ right.
- During viewing of a TV programme, press and hold to replay or skip forward.

▲▼ :
- Cursor keys for moving up/ down.

⑦ OK
- Confirms an entry or selection.

⑧ BACK
- Returns to the previous menu.
- During play of DivX Ultra files, press to return to the main DivX menu.

⑨ ◀◀ ▶▶
- Fast reverse or fast forward search.

⑩ PAUSE LIVE TV ▶II
- Starts/ pauses play or recording.

⑪ VOL + / –
- Adjusts the volume of the TV (compatible TVs only).

MUTE
- Mute the volume output from the recorder.

1_DVR2008_97_eng_wk822.indd 10 2008-05-26 10:29:37 AM

⑫ Numeric keypad
- Selects a chapter/track number to play.
- Selects the recorder's preset TV tuner channel.

⑬ SUBTITLE
- Selects a subtitle language during play of DivX Ultra Video content.

⑭ A-B REPEAT
- Repeats a specific section of a title.

⑮ SLOW
- Starts slow motion play. Press repeatedly to toggle through various options.

⑯ REC LIST
- Displays the list of recorded titles.

⑰ LIVE TV
- Go to tuner mode.
- In time shift mode , go to current broadcast position.

⑱ TIMER
- Enters the timer schedule menu.

⑲ DISPLAY
- Displays/ hides the on-screen help text.

⑳ ⏮ ⏭
- Skips to the previous or next chapter/ track/title.

㉑ REC ●
- Starts recording the current TV channel or the current video source.
- Press repeatedly to extend the recording time.

STOP ■
- Stops play or recording.

㉒ P +/–
- In tuner mode, select the next or previous TV channel.

㉓ AUDIO
- Selects an audio language.

㉔ RESOLUTION
- Adjust display resolution.

㉕ ZOOM
- Enlarges a picture or recording during play. Press repeatedly to toggle through various options.

1_DVR2008_97_eng_wk822.indd 11 2008-05-26 10:29:37 AM

3 Connect

This section describes the connections for the recorder.

Basic connections:
- Connect antenna or cable
- Connect video/audio cables

Optional connections:
- Connect other devices
- Connect to Cable box/ Satellite receiver
- Connect to VCR or other similar device
- Connect to DVD player or other similar device
- Connect to analogue camcorder

Place the unit

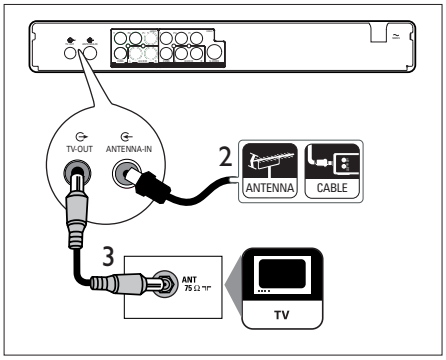
- Place this unit on a flat, hard and stable surface. Do not place this unit on a carpet.
- Install this unit near the AC outlet where the AC power plug can be easily reached.

Connect antenna or cable

To watch and record TV programmes, connect this recorder to an antenna or a cable box/satellite receiver.

Connect to an off-air antenna or cable TV signals

To get TV reception, connect the recorder directly to an off-air antenna or cable TV signals.



1 Unplug the existing antenna cable.

2 Connect the antenna cable to the **ANTENNA-IN** socket.

3 Connect the supplied RF antenna cable to the **TV OUT** socket and to the antenna input on the TV.

Tip

- The antenna input socket on your TV may be labelled as ANT, ANTENNA IN or RF IN.

1_DVR2008_97_eng_wk822.indd 12 2008-05-26 10:29:37 AM

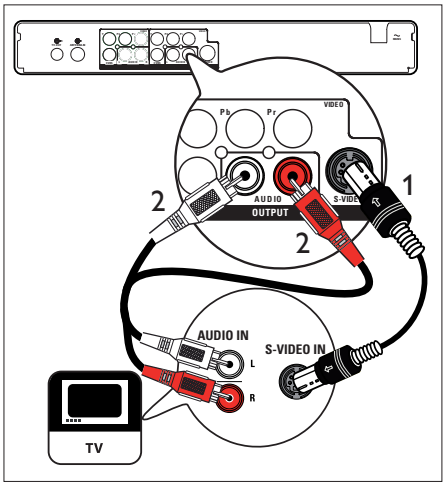
Connect video/audio cables

To view the playback from this recorder, connect the recorder to the TV.

Before you start, select the best video connection.

- Option 1: Connect to S-video socket (for a standard TV).
- Option 2: Connect to composite video sockets (for a standard TV).
- Option 3: Connect to component video sockets (for a Progressive Scan TV).

Option 1: Connect to S-Video socket



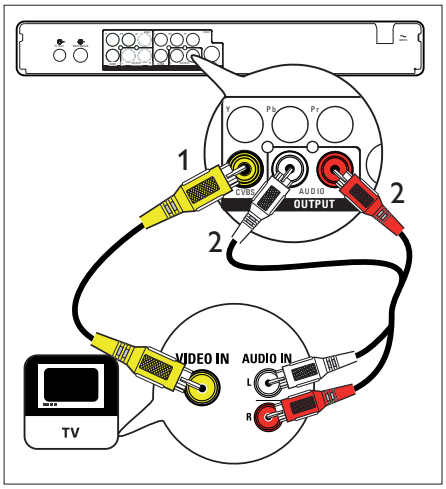
1 Connect an S-video cable (not supplied) from the **S-VIDEO OUTPUT** socket to the S-Video input socket on the TV.

2 Connect an audio cable (red/white ends) from the **AUDIO OUTPUT** sockets to the matching audio input sockets on the TV.

Tips

- The S-video input socket on your TV may be labelled as Y/C or S-VHS.
- This connections provides standard picture quality.

Option 2: Connect to composite video sockets



1 Connect a composite video cable (yellow end) from the **CVBS OUTPUT** socket to the video input socket on the TV.

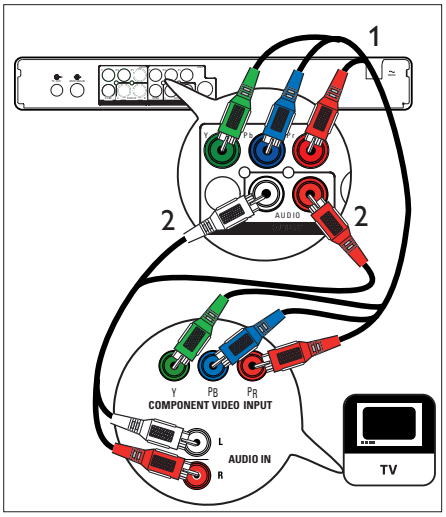
2 Connect an audio cable (red/white ends) from the **AUDIO OUTPUT** sockets to the matching audio input sockets on the TV.

Tips

- The video input socket on your TV may be labelled as A/V IN, VIDEO IN, COMPOSITE or BASEBAND.
- This connections provides standard picture quality.

1_DVR2008_97_eng_wk822.indd 13 2008-05-26 10:29:37 AM

Option 3: Connect to component video sockets



1 Connect component video cables (red/blue/green - not supplied) from the **Y Pr Pb OUTPUT** sockets to the component input sockets on the TV.

2 Connect an audio cable (red/white ends) from the **AUDIO OUTPUT** sockets to the matching audio input sockets on the TV.

Tip

- Select the supported video resolution progressive scan. See chapter "Adjust Settings – Video settings – Set video format",

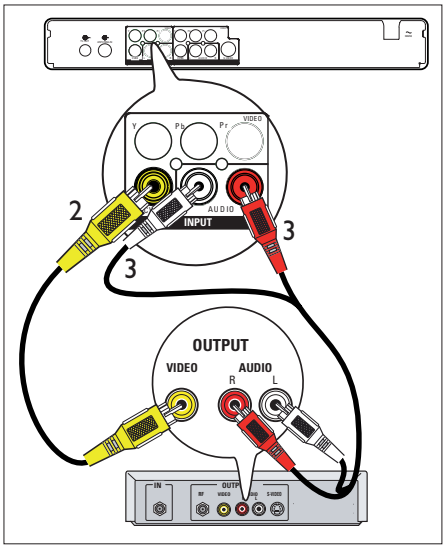
1_DVR2008_97_eng_wk822.indd 14 2008-05-26 10:29:38 AM

Connect other devices

To connect this recorder to other devices, you can use these suggested connections for common used cases. Other solutions may be possible, depending on the features of the device.

Connect to cable box/satellite receiver

1 Ensure that the cable box/ satellite receiver is connected to the TV with an antenna cable.



2 Connect a composite video cable (yellow end) from the **CVBS INPUT** socket to the video output socket on the cable box/ satellite receiver.

3 Connect an audio cable (red/white ends) from the **AUDIO INPUT** sockets to the matching audio output socket on the cable box/ satellite receiver.

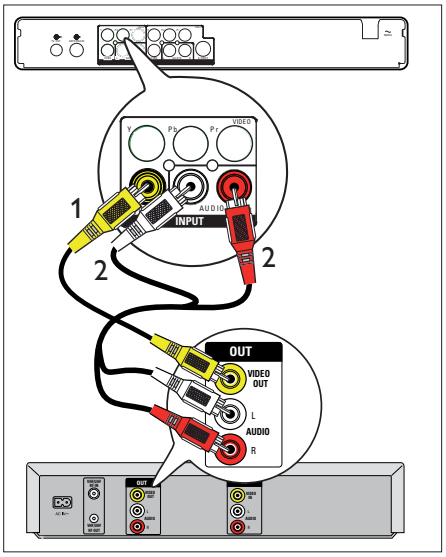
- To view the video input, press **SOURCE** repeatedly until 'CVBS' is displayed.

Tips

- With this connection, automatic channel search is not required. See chapter 'Get Started'.
- The CVBS sockets on the device may be labelled as TV OUT or TO TV.

1_DVR2008_97_eng_wk822.indd 15 2008-05-26 10:29:39 AM

Connect to VCR or similar device



1 Connect a composite video cable (yellow end) from the **CVBS INPUT** socket to the video output socket on the device.

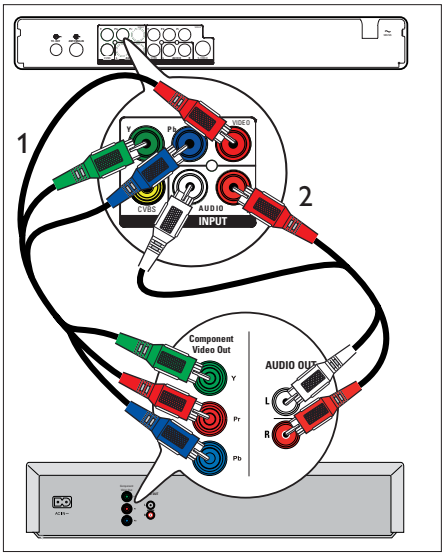
2 Connect an audio cable (red/white ends) from the **AUDIO INPUT** sockets to the matching audio output socket on the device.

- To view the video input, press **SOURCE** repeatedly until 'CVBS' is displayed.

Notes

- Your new recorder replaces the VCR for all your recording needs. Just unplug all the connections to your VCR.
- Most commercial video tapes and DVDs are copy-protected and therefore cannot be recorded.

Connect to DVD player or similar device



1 Connect a component video cable (red/blue/green ends - not supplied) from the **Y Pb Pr INPUT** socket to the component video output socket on the device.

2 Connect an audio cable (red/white ends) from the **AUDIO INPUT** sockets to the matching audio output socket on the device.

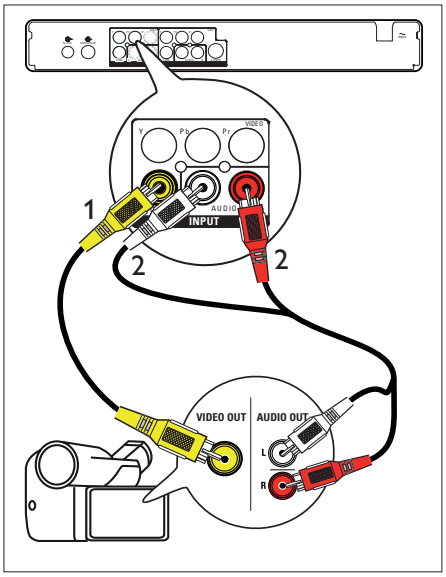
- To view the video input, press **SOURCE** repeatedly until 'YPbPr' is displayed.

Note

- Most commercial video tapes and DVDs are copy-protected and therefore cannot be recorded.

1_DVR2008_97_eng_wk822.indd 16 2008-05-26 10:29:40 AM

Connect to an analogue camcorder



1 Connect a video cable (yellow end) from the **CVBS INPUT** socket and to the S-VHS or video output socket on the camcorder.

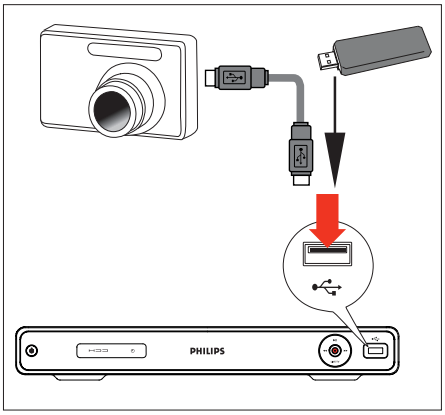
2 Connect the audio cable (red/white ends) from the **AUDIO INPUT** sockets and to the audio output sockets on the camcorder.

- To view the video input, press **SOURCE** repeatedly until 'CVBS' is displayed.

Tip

- To record from this device, see chapter 'Record from other devices'.

Connect to a USB device or digital camera



1 Connect a USB device or digital camera to the ⭠ USB socket.

Note

- The USB socket does not support a USB hub device. Only digital cameras and devices which support USB Mass Storage Device class standard are supported.

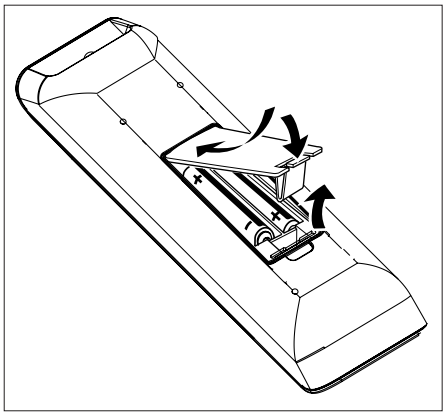
Tips

- You can copy files from the recorder to your USB device.
- To view the contents of the connected USB device, see chapter 'Play – Play from USB'.

1_DVR2008_97_eng_wk822.indd 17 2008-05-26 10:29:40 AM

4 Get Started

Prepare the remote control



1 Open the battery compartment cover.

2 Insert two batteries type R03 or AAA. Match the indications (+ −) inside the battery compartment.

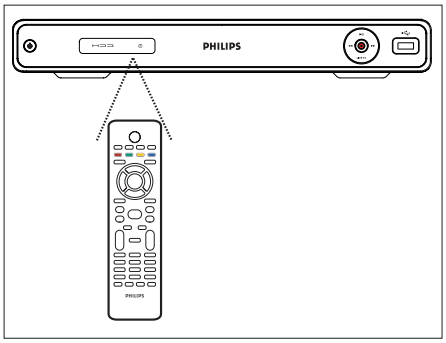
3 Close the cover.

Note

- If you are not going to use the remote control for a long time, remove the batteries.

Navigate through the menu

1 Point the remote control directly at the remote sensor on the front panel and select the desired function.



2 Use the following buttons on the remote control to navigate through the on-screen menus, enter numbers and confirm your selection.

Action	Button
Move up or down in a menu.	▲▼
Move left or right in the top menu.	◀▶
Confirm a selection.	OK

1_DVR2008_97_eng_wk822.indd 18 2008-05-26 10:29:41 AM

First Time Settings

When you turn on this recorder for the first time, follow the instructions on the TV to complete the initial setup for this recorder.

Notes

- Before you start, ensure that you have made all the required connections.
- If a cable box or satellite receiver is connected, turn it on now.
- Complete the initial setup for this recorder before you record.

1 Press ⏻ to turn on the recorder.

2 Turn on the TV to the correct video-in channel.
   - Select a channel on your TV, then press the channel down button on your TV remote control until you see the menu language screen. (The screen options may differ depending on your country of purchase).

First Installation	
Menu Language	✓ English
TV Region	简体中文
TV Shape	繁體中文
Auto Scan	
Clock	

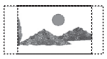
3 Press ▲▼ to select an on-screen menu language and press **OK**.
   ↳ The country selection screen is displayed.

First Installation	
Menu Language	Others
TV Region	China
TV Shape	Hong Kong
Auto Scan	India
Clock	Malaysia
	Singapore
	Thailand

4 Press ▲▼ to select the country of your residence and press **OK**.
   ↳ The TV aspect selection screen is displayed.

First Installation	
Menu Language	✓ 4:3 Pan Scan
TV Region	4:3 Letter Box
TV Shape	16:9 Widescreen
Auto Scan	
Clock	

[4:3 Pan Scan]

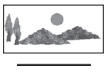


Select this for a full-height picture with both sides trimmed.

[4:3 Letter Box]

Select this for a 'wide screen' display with black bands on the upper and lower portions of the TV screen.

[16:9 Widescreen]



Select this for a wide screen TV (frame ratio16:9).

5 Press ▲▼ to select a TV shape option and press **OK**.
   ↳ Auto channel tuning begins.

1_DVR2008_97_eng_wk822.indd 19 2008-05-26 10:29:41 AM

First Installation	
Menu Language	Cancel
TV Region	OK
TV Shape	
Auto Scan	
Clock	

- **If a cable box or satellite receiver is connected:** select **[Cancel]** to skip the channel search.
- **If an off-air antenna is connected:** select **[OK]** to start the channel search. This process takes a few minutes. Once complete, press **OK**.

↳ The time and date entry screen is displayed.

First Installation			
Menu Language	Year	Month	Day
TV Region	2008	1	1
TV Shape	Hour	Min.	Sec.
Auto Scan	00	00	00
Clock			

6 Press ▲▼ (or the numeric keys) to enter the correct entry. Press **OK** to go to the next field.

↳ A confirmation message is displayed.

7 Select **[Confirm]** and press **OK**.

↳ The installation is complete. The recorder is now ready for use.

First Installation	
Menu Language	Setup Completed
TV Region	
TV Shape	
Auto Scan	
Clock	

Tips

- To re-install or modify the TV channels, see chapter 'Adjust Settings - Tuner settings'.

1_DVR2008_97_eng_wk822.indd 20 2008-05-26 10:29:42 AM

5 Watch live TV

Use your recorder to watch live TV

Once you switch to live TV, this recorder stores the current TV programme into the Time Shift Buffer. You can now control live TV broadcast. For example, pause live TV and resume play at any time or replay the live TV programme.

1 Turn on the TV to the correct viewing channel for this recorder.

2 Press ⏻ to turn on this recorder.

3 Press **LIVE TV.**

4 Press **P +/−** to select a channel.

About Time Shift Buffer - temporary HDD storage

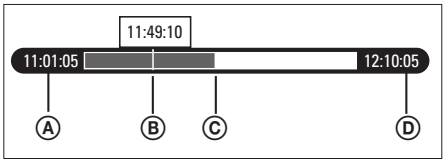
The Time Shift Buffer (TSB) is a temporary hard disk storage in your recorder.

The Time Shift video bar displays the status and time of the stored TV programmes.

Notes

- Content in the Time Shift Buffer is cleared if you press the REC button.
- In Home menu, content in the Time Shift Buffer is cleared if you select [Recordings], [Media Files], [USB] or [Timer] and press OK.

Press **DISPLAY** to display or hide the information bar.



Ⓐ Start time of the TV programme.
Ⓑ Current play position of the TV programme.
Ⓒ Current position of the broadcast TV programme.
Ⓓ Current time of the TV programme.

1_DVR2008_97_eng_wk822.indd 21 2008-05-26 10:29:42 AM

Select the time shift buffer quality

You can select the time shift buffer video quality.

1 Press **HOME**.
↳ The home menu is displayed.

2 Select **[Settings]**, then press **OK**.

3 Press ▶ to select **[Recording]**, then press ▼ to select **[Time Shift Buffer Quality]** and press **OK**.

Recording	System Language Tuner Video
Recording Quality	SP
Time Shift Buffer Quality	SP
Auto Chapter Marking	20 Minutes
Time Shift Buffer	Auto

4 Select a setting and press **OK**.

[HQ] High quality.

[SP] Standard play.

[LP] Long Play

[EP] Extended Play.

[SLP] Super Long Play

5 To exit the menu, press **HOME**.

Control live TV

To control live TV, you can use the following buttons on the remote control:

Action	Button
Pause live TV or resume play.	▶II
Press to skip backward (instant replay).	◀
Press to skip forward (skip ahead).	▶
• Press to fast rewind a programme. • Press repeatedly to toggle between speed options.	◀◀
• Press to fast forward a programme. • Press repeatedly to toggle between speed options.	▶▶
Go to current play position of video source.	■
Go to live TV broadcast.	LIVE TV
Display the information bar.	DISPLAY

1_DVR2008_97_eng_wk822.indd 22 2008-05-26 10:29:42 AM

5 Record

Before you record

Record media

Note

- Copy-protected programmes cannot be recorded.
- If a power failure occurs during recording, the title is not recorded.

- High storage capacity.
- TV programmes are recorded to the hard disk.
- Media files are stored to the hard disk.

Recording Quality	Hours of recording
[HQ] - high quality	22 hours
[SP] - standard play quality	42 hours
[LP] - long play	63 hours
[EP] - extended play	85 hours
[SLP] - super long play	123 hours

The data is subjected to change if the user has modified the hard disk partition between **[Media Files]** and **[Recordings]** during firmware upgrade.

Record settings

Select the recording quality

Before you record, select the recording quality. The recording quality determines the amount of space the recorded title occupies on the hard disk recorder.

1 Press **HOME**.
↳ The home menu is displayed.

2 Select **[Settings]**, then press **OK**.

3 Press ▶ to select **[Recording]**, then press ▼ to select **[Recording Quality]** and press **OK**.

Recording	System Language Tuner Video
Recording Quality	SP
Time Shift Buffer Quality	SP
Auto Chapter Marking	20 Minutes
Time Shift Buffer	Auto

4 Select a setting and press **OK**.

[HQ] High quality.

[SP] Standard play.

[LP] Long Play

[EP] Extended Play.

[SLP] Super Long Play

5 To exit the menu, press **HOME**.

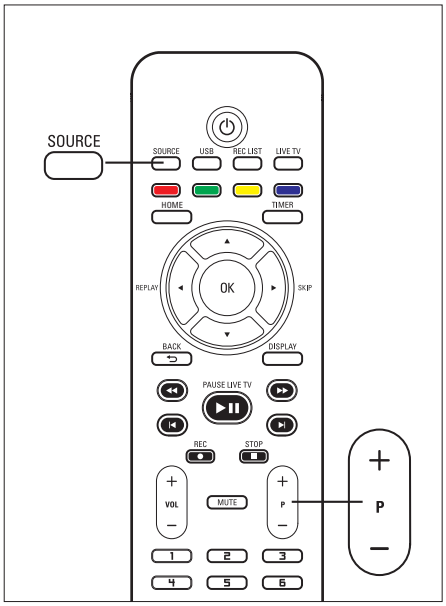
Tips

- The default record mode is SP.
- For other record settings, see chapter "Adjust Settings – Recording settings".

1_DVR2008_97_eng_wk822.indd 23 2008-05-26 10:29:43 AM

Record the current TV programme

1 Turn on the TV to the correct viewing channel for the recorder.



2 Select a recording source:

- **To record directly in tuner mode:** press **P+/−** keys to select the TV channel you wish to record.
- **To record from a satellite receiver or cable box connected to VIDEO OUTPUT**: press **SOURCE** repeatedly to select 'CVBS' or 'YPbPr'.

3 Press ● to start recording.

- To add recording time, press ● repeatedly to extend the recording time.
- To pause recording, press ▶II.
- To continue recording, press ▶II again.

4 To stop recording, press ■.

1_DVR2008_97_eng_wk822.indd 24 2008-05-26 10:29:43 AM

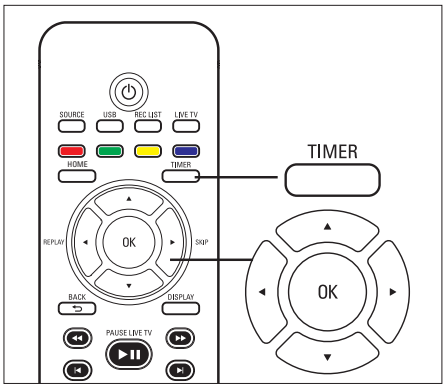
About timer recording

Schedule a timer recording to start and stop at a specified date and time.

You can schedule up to 8 recordings at a time. During timer recording, you can only watch the current channel.

Before you start ...
Ensure that the system clock is correct. To adjust the system clock, see chapter "Adjust Settings - [System] settings.

Schedule a timer recording

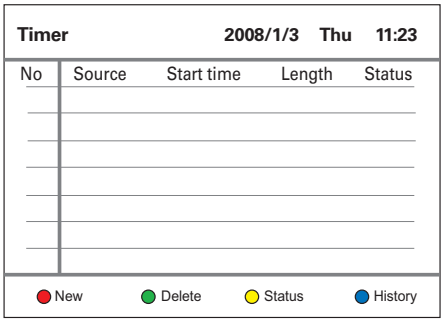


Note

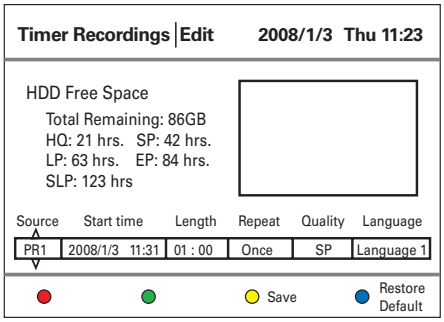
- Once you press TIMER, the TSB will be cleared.

1 Turn on the TV to the correct viewing channel for the recorder.

2 Press **TIMER**.
↳ The timer recording schedule is displayed.



3 To create a new timer entry, press the **Red** button **[New]**.
↳ The timer schedule is displayed.



4 Press ▲▼ buttons to select the value of each setting, and use ◀ ▶ keys to move the next option.

[Source]

Select the TV channel or the correct video source (Tuner, CVBS or YPbPr), which you have used to connect the external device.

[Start time]

Start date and time of recording (year/ month/date and hours : minutes).

[Length]

Duration of recording. (Hours: minutes)

1_DVR2008_97_eng_wk822.indd 25 2008-05-26 10:29:43 AM

[Repeat]

Select a repeat recording option: (Once, Everyday, Mon-Fri, Mon-Sat, Sun, Mon, Tue, Wed, Thu, Fri and Sat).

[Quality]

Select a mode of recording quality:

- [HQ] ~ [SLP] – See chapter 'Before you record – Select the recording quality'.

[Language]

Enable or disable recording of the optional audio language. (Only available if the source has dual language broadcast).

5 Once complete, press the **Yellow** button [Save].
- To reset the entry, press the **Blue** button [Restore Default].

↳ A confirmation message is displayed.

6 To confirm the timer recording schedule, select [Confirm], then press **OK**.
- To cancel, select [Cancel], then press **OK**.

7 Press **BACK** to exit the menu.

8 Press ⏻ to switch the recorder to standby mode.

Edit a timer recording

Notes

- Timer editing is not available during a timer recording.
- If a timer schedule is marked [LOCK], it is not available for editing.

1 Turn on the TV to the correct viewing channel for the recorder.

2 Press **TIMER**.

↳ The timer recording list is displayed.

Timer			2008/1/3	Thu	11:23
No	Source	Start time		Length	Status
○ List 1	PR1	01/05	08:00 (Once)	00:30	Ready
◉ List 2	PR3	01/08	10:00 (Sun)	01:00	Ready
○ List 3	PR4	01/09	09:15 (Mon)	00:30	Ready

● New ● Delete ● Status ● History

3 Select a timer to edit and press **OK.**

4 Make the necessary changes and press the Yellow button [Save].

5 To confirm, select [Confirm], then press **OK**.

6 Press **BACK** to exit the menu.

1_DVR2008_97_eng_wk822.indd 26 2008-05-26 10:29:43 AM

To delete a timer schedule:

1 Select the timer, then press the **Green** button **[Delete]**.

2 Select an option, then press **OK**.

3 Once a timer is deleted, it is removed from the recording timer list.

To pause a timer schedule:

1 Select the timer, then press the **Yellow** button **[Status]**.

2 Select **[Pause the selected scheduled recording]** and press **OK**.
↳ The timer recording list is displayed and the timer is paused.

To activate a paused timer:

1 Select the paused timer, press the **Yellow** button **[Status]**.

2 Select **[Enable the timer by user's setting]** and press **OK**.
↳ The timer recording list is displayed and the timer is ready for recording.

View history of timer recordings

1 Turn on the TV to the correct viewing channel for the recorder.

2 Press **TIMER**.
↳ The timer recording list is displayed.

3 Press the **Blue** button **[History]**.
↳ The history timer recordings is displayed.

To delete any previous timer history:
The history of timer recordings are automatically replaced by the most recent recordings.

Note

- Timer editing is not available during a timer recording.

1 Select the timer, then press the **Green** button **[Delete]**.

2 Select **[Confirm]**, then press **OK**.
↳ The history is deleted and removed from the history list.

1_DVR2008_97_eng_wk822.indd 27 2008-05-26 10:29:43 AM

Record from other devices

Record from an external device

(Analogue camcorder/ Satellite receiver/ VCR/ DVD Player)

You can record from the external device to this recorder. Copy-protected material cannot be recorded on this recorder.

1 Turn on the TV to the correct viewing channel for the recorder.

2 Connect the external device (e.g. analogue camcorder, VCR, DVD player) to this recorder.

3 Press **SOURCE** to select the video source.
- **[CVBS]** : the device connected to the **CVBS INPUT** (CVBS and AUDIO L/R) sockets on the recorder.
- **[YPbPr]** : the device connected to the **Y Pb Pr INPUT** (YPbPr and AUDIO L/R) sockets on the recorder.

4 Start play on the connected device and locate the content to record.

5 Press ● at the point you want to start recording.
- To add recording time, press ● repeatedly to extend the recording time.
- To pause recording, press ►II.
- To continue recording, press ►II again.

6 To stop recording, press ■.
↳ A new title is saved.

7 To exit, press **SOURCE**.

Simultaneous record and play

Play the programme during recording

1 Press **REC LIST**.

2 Select the title marked **[Recording...]**, then press ►II.

Play another recording or media file during recording

Play from HDD

1 Press **REC LIST**.

2 Select a title to play, then press ►II.

Playback from USB

1 Insert the USB device to the ⭠ USB socket.
↳ A message is displayed. Select **[Confirm]** to view the USB contents menu.
- If the USB is already connected, press **USB** to access the content menu.

2 Select a file to play, then press ►II.

Watch other TV programme

1 Use the TV remote control to select a TV channel.

2 To view play from the recorder, switch the TV back to its correct viewing channel for recorder.

1_DVR2008_97_eng_wk822.indd 28 2008-05-26 10:29:44 AM

6 Play

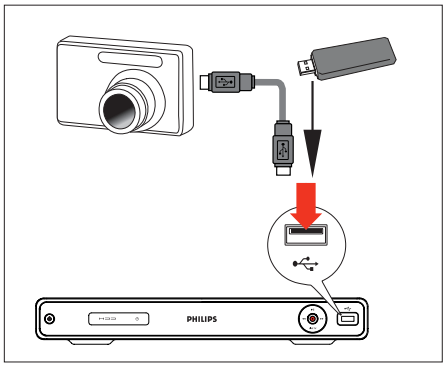
Play from USB

View the contents of a USB drive, USB memory card reader or digital camera through this recorder. The USB socket supports the play of these formats:

- Video : AVI (V: DivX 3x/ 4x/ 5x/ 6x, Xvid), DivX and DivX Ultra, HD MPEG2 ts/tp, VOB, DAT, MPEG1/2
- Audio : MP3/ WMA/ WAV/ OGG/ AAC. Maximum number of files recognizable 4096 files (In one page.)
- Photo : JPEG/HD JPEG/BMP Maximum number of picture recognizable 4096 files (preview 6 files in the same time)

Notes

- WMA Pro & Advanced Profile and WMA with DRM are not supported.
- The USB socket does not support a USB hub device. Only digital cameras and devices which support USB Mass Storage Device class standard are supported.
- In USB mode, the time shift buffer is cleared.



1 Insert the USB device to the USB socket.
   ↳ A message is displayed. Select **[Confirm]** to view the USB contents menu.
   - If the USB is already connected, press **USB** to access the content menu.

2 Select a file, then press ▶II.

Tip

- For more play options, see chapter 'Play'.

Play from a USB card reader

Note

- In USB mode, the time shift buffer is cleared.

1 Insert the USB device to the USB socket.
   ↳ A message is displayed. Select **[Confirm]** to view the USB contents menu.
   - If the USB is already connected, press **USB** to access the content menu.

2 Each memory card in the reader is assigned its own folder. Select a folder and press **OK**.

3 Select a file, then press ▶II to start.

Tip

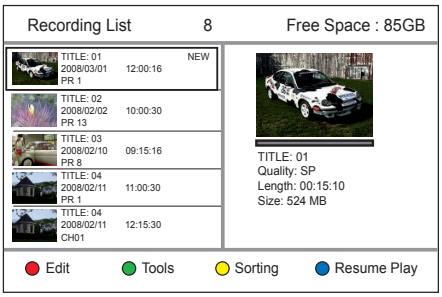
- During play, when you select another card in the reader, play stops.

1_DVR2008_97_eng_wk822.indd 29 2008-05-26 10:29:44 AM

Play video

Play a recorded title

1 Press **REC LIST**.
↳ The list of recorded titles is displayed.



2 Select a title and press ▶II.

Play a Movie

You can play a DivX® file stored on this hard disk recorder or from a USB flash drive. To copy data files to this recorder, see chapter "Copy Files". This recorder supports play of the following formats: VOB (DVD), MPG (MPEG-1/2), AVI (DivX 3x/4x/5x/6x, MPEG-4 ASP: XviD), DivX, DivX Ultra, DAT (VCD), and HD MPEG2 TS/TP files (resolution up to 1080i).

1 Press **HOME**.

2 Select a source:
- **For data files on the recorder:** select **[Media Files]**, then press **OK**.
- **For USB devices**: press **USB**.

↳ The content menu is displayed.

3 Press ▲ to select **[Previous]**.

4 Press ▶ to select **[Movies]**.

5 Locate the file to play.
- To display all DivX files, select **[List]**.
- If the file is stored in another folder, select the folder, then press **OK**
- If the folder contains many files, press ⏮ ⏭ to view the previous/next page of file names.

6 Select a file and press ▶II.
- To stop playback, press ■.
- To return to the previous level, select **[Previous]**, then press **OK**.
- To select another subtitle language, press **SUBTITLE**.
- You can select another character set, see chapter "Adjust Settings – Language settings - Set DivX subtitle font".

Notes

- The supported subtitle file formats include:.srt, .smi, .sub, .sami.
- Low-quality DivX® video may be pixelated.

Tip

- During play of DivX Ultra files, press BACK to return to the main DivX menu.

1_DVR2008_97_eng_wk822.indd 30 2008-05-26 10:29:44 AM

Play music

Play MP3/ WMA files

Play most MP3/ WMA files copied to a USB device or the recorder.

1 Press **HOME**.

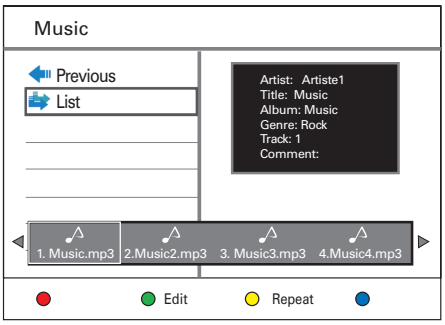
2 Select a source:
- **For data files on the recorder:** select **[Media Files]**, then press **OK**.
- **For USB devices**: press **USB**.

↳ The content menu is displayed.

3 Press ▲ to select **[Previous]**.

4 Press ▶ to select **[Music]**.

5 Locate the file to play.
- To display all MP3/WMA files, select **[List]**.
- If the file is stored in another folder, select the folder, then press **OK**
- If the folder contains many files, press ⏮ ⏭ to view the previous/next page of file names.



6 Select a file and press ▶II.
- To stop playback, press ■.
- To repeat play, press the Yellow button **[Repeat]** repeatedly to toggle between the repeat options.

Tips

- This recorder does not support MP3PRO audio format.
- If any special characters are present in the MP3 track name (ID3) or album name, it might not be displayed correctly on the screen because these characters are not supported.

Select another track/ file

When a folder contains several tracks or files, you can select a different track or file during playback.

Action	Button
To go to the next track/file.	▶
To return to the start of the previous track/file.	◀

Select repeat options

You can select various repeat functions during playback. The repeat play options vary depending on the media type.

1 During play of the audio files, press the Yellow button **[Repeat]**.

2 Press the Yellow button [**Repeat]** repeatedly to select the repeat option and press **OK**.

[All]

Repeat play of all files.

[Repeat 1]

Repeat play of the selected file.

3 To cancel repeat play, press the Yellow button **[Repeat]** repeatedly to select **[Repeat Off]**.

1_DVR2008_97_eng_wk822.indd 31 2008-05-26 10:29:44 AM

View photos

Play a picture slide show

You can view JPEG/ HD JPEG/ BMP files as a slide show.

1 Press **HOME**.

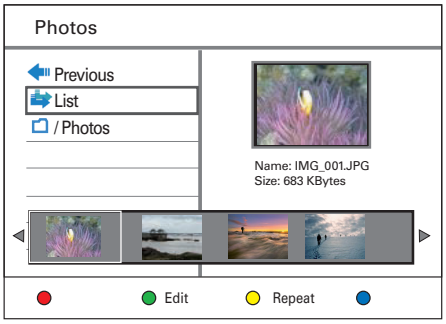
2 Select a source:
- **For data files on the recorder:** select **[Media Files]**, then press **OK**.
- **For USB device**: press **USB**.

↳ The content menu is displayed.

3 Press ▲ to select **[Previous]**.

4 Press ▶ to select **[Photos]**.

5 Locate the file to play.
- To display all JPEG files, select **[List]**.
- If the files are stored in another folder, select the folder, then press **OK**
- If the folder contains many files, press ⏮ ⏭ to view the previous/next page of file names.



6 Select a file and press ▶II.

↳ The slide show begins.

7 During play, use the following keys.

Action	Button
To enter/exit zoom mode. Press repeatedly to select the zoom factor.	ZOOM
In zoom mode, to pan through the enlarged picture.	◀▶▲▼
To rotate the picture.	◀▶
View the previous/next picture	▲▼

8 Press **BACK** to return to the main menu.

9 To stop and view the content menu, press ■.

Start a musical slide show playback,

1 Select an MP3 file and press **OK**.

↳ The MP3 file starts playback.

2 Select a picture file in the menu and press **OK**.

↳ The slide show begins.

Supported JPEG picture formats File format:
- The file extension has to be '.JPG', or '. JPEG.'
- This recorder can only display digital camera pictures according to the JPEG-EXIF format, typically used by almost all digital cameras. It does not display Motion JPEG or pictures in formats other than JPEG or sound clips associated with pictures.

Tips

- It may require a longer time for the recorder to display the USB contents due to the large number of songs/pictures compiled onto the drive.
- If the JPEG picture is not recorded with an 'exif' type file, the actual thumbnail picture will not be displayed in the content menu.

1_DVR2008_97_eng_wk822.indd 32 2008-05-26 10:29:44 AM

Enlarge a picture

You can enlarge the picture on the screen and pan through the picture.

1 Press **ZOOM** repeatedly.
↳ The zoom mode is activated.

2 Use ▲▼◀▶ keys to pan through the enlarged picture.

3 To exit, press **ZOOM** repeatedly until normal size resumes.

Play from a digital camera

1 Connect the digital camera to the USB socket on the front panel.

2 Use the digital camera to control playback settings.

Control Play

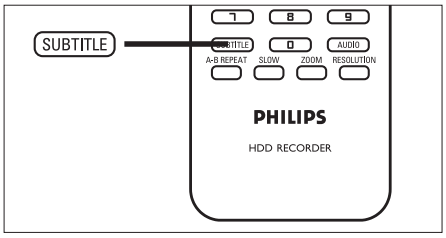
Select another title/ chapter

During play, select another title or chapter by following these steps:

Action	Button
To go to the next chapter.	▶|
To return to the start of the previous chapter.	|◀
To select by a chapter number.	Numeric keys 0 - 9

Select a subtitle language

Select a subtitle language on DivX® Ultra files.



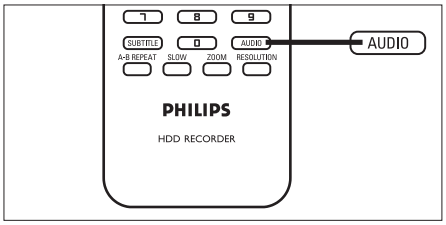
1 During play, press **SUBTITLE**.

2 Select a language and press **OK**.
- If the selected language is not available, the default content language is used.

1_DVR2008_97_eng_wk822.indd 33 2008-05-26 10:29:44 AM

Select an audio language

Select an audio language in Live TV mode.



1 During play, press **AUDIO**.
↳ The language options appear. If the selected audio channel is not available, the default audio channel will be used.

Search forward/ backward

You can fast forward search or fast reverse search the video content during playback.

1 During play, press ◀◀ or ▶▶.
↳ The search status bar is displayed and the sound is muted.

2 Press ◀◀ or ▶▶ repeatedly to cycle through the different speed options.
- To resume normal playback, press ▶II.

Slow motion play

1 During play of DivX® files or title recordings, press the **SLOW** key to enable slow motion play.

2 Press **SLOW** repeatedly to cycle through the different slow motion speed.
- To resume normal playback, press ▶II.

Repeat a specific scene (A-B Repeat)

You can repeat play of a specific segment within a title or chapter. To do so, you must mark the start and end of the segment you want.

Note

- This feature is only available when playing a recording from the recording list.

1 During play, press **A-B REPEAT** at the point to mark the start point for repeat play.

2 Press **A-B REPEAT** again at the end point and press **OK**.
↳ Play skips to the start of the marked segment. The segment is repeated until repeat mode is cancelled.

3 To cancel repeat play, press **A-B REPEAT** repeatedly until **[Repeat Off]** is displayed.

Resume play from the last stopped point

This option is available if you have not finished watching a title played previously. You can resume play from its last stopped point.

1 Press **REC LIST**.
↳ The list of recorded titles is displayed.

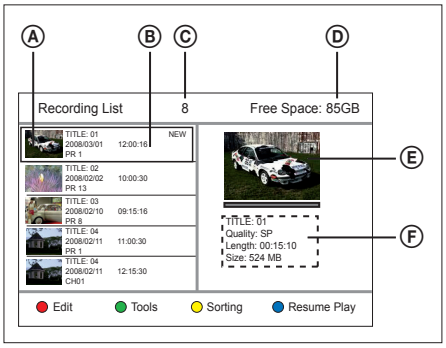
2 Select the file which you have not finished watching and press the **Blue** button **[Resume Play]**.
↳ Play starts from the last stopped point.

1_DVR2008_97_eng_wk822.indd 34 2008-05-26 10:29:45 AM

7 Edit Recordings

About the recording list

The recording list screen displays the recordings on this recorder. It is displayed once you press **REC LIST.**



The recording menu screen displays information on:

Ⓐ The thumbnail of a title.
Ⓑ The title number, recording date and time, and the title name. If a recording has not been played, it is marked [NEW].
Ⓒ Number of recorded titles.
Ⓓ The available hard disk space for recordings.
Ⓔ The preview of the title.
Ⓕ The title number, recording quality, length of recording and its file size.

Sort titles

You can easily find a title by using the sort options.

1 Press **REC LIST**.

2 Select a title, then press the **Yellow** button **[Sorting]**.
↳ The sort menu is displayed.

3 Select an option, then press **OK**.

[Title Number]

Sort titles according to its title number (eg. TITLE 01).

[Recording Time]

Sort titles according to its time of recording. The last recorded title is listed first.

[Title Name]

Sort titles according to its title name.

[New Titles]

Titles which have not been played are listed first.

1_DVR2008_97_eng_wk822.indd 35 2008-05-26 10:29:45 AM

Edit titles

You can use the colour coded buttons in the recording list to edit your recordings:

- The **Red** button **[Edit]**:
  - Set a thumbnail
  - Erase a scene (A-B Erase)
  - Divide a title
  - Merge a title
  - Add/ remove a chapter marker
  - Rename a title
- The **Green** button **[Tools]**:
  - Delete all titles
  - Delete a title
  - Set child lock
  - Protect a title

Set a thumbnail

1 Press **REC LIST**.

2 Select a title, then press the **Red** button **[Edit]**.
↳ The edit menu is displayed.

3 Select **[Set Thumbnail]**, then press **OK**.
- Press ◀◀ ▶▶ keys to make a fast forward/ reverse search.

4 Locate the scene and press ▶II.
- To cancel, select **[Cancel]** and press **OK**.

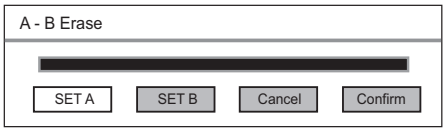
5 To confirm, select **[Confirm]** and press **OK**.
↳ The thumbnail of the title is changed.

Erase a scene in a title

1 Press **REC LIST**.

2 Select a title, then press the **Red** button **[Edit]**.
↳ The edit menu is displayed.

3 Select **[A-B Erase]**, then press **OK**.
- Press ◀◀ ▶▶ keys to make a fast forward/ reverse search.

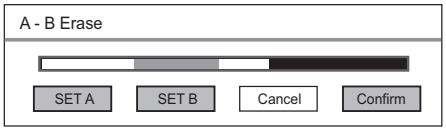


4 Press ▶II to pause at the start point.

5 Select **[SET A]**, then press **OK**.

6 Press ▶II to resume play and press ▶II again at the end point.

7 Select **[SET B]** and press **OK**.
- To cancel, select **[Cancel]** and press **OK**.



8 To confirm, select **[Confirm]** and press **OK**.
↳ This scene is erased from the title.

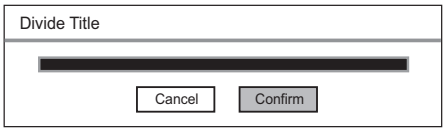
1_DVR2008_97_eng_wk822.indd 36 2008-05-26 10:29:45 AM

Divide a title

1 Press **REC LIST**.

2 Select a title, then press the **Red** button **[Edit]**.
↳ The edit menu is displayed.

3 Select **[Divide Title]**, then press **OK**.
- Press ◀◀ ▶▶ keys to make a fast forward/ reverse search.



4 Press ▶II to pause at the point to divide.
- To cancel, select **[Cancel]** and press **OK**.

5 To confirm, select **[Confirm]** and press **OK**.
↳ This title is divided into two.

Merge a title

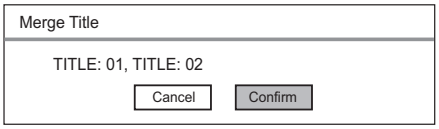
Tip

- Select the older recording to merge with the next recording in the list.

1 Press **REC LIST**.

2 Select title, then press the **Red** button **[Edit]**.
↳ The edit menu is displayed.

3 Select **[Merge Title]**, then press **OK**.
↳ The two titles to merge are displayed.
- To cancel, select **[Cancel]** and press **OK**.



4 To confirm, select **[Confirm]** and press **OK**.
↳ This title is merged into one.

1_DVR2008_97_eng_wk822.indd 37 2008-05-26 10:29:46 AM

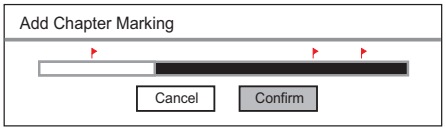
Add or remove chapter markers

To add chapter markers

1 Press **REC LIST**.

2 Select a title, then press the **Red** button **[Edit]**.
↳ The edit menu is displayed.

3 Select **[Add Chapter Marking]**, then press **OK**.
- Press ◀◀ ▶▶ keys to make a fast forward/ reverse search.



4 To add a chapter marker, select **[Confirm]** and press **OK**.
↳ A chapter marker is added and indicated by a red flag.

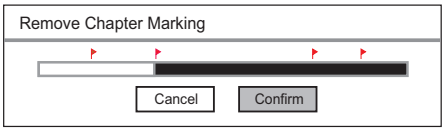
5 To exit, press select **[Cancel]**.

To remove chapter markers

1 Press **REC LIST**.

2 Select a title, then press the **Red** button **[Edit]**.
↳ The edit menu is displayed.

3 Select **[Remove Chapter Marking]**, then press **OK**.



4 To remove the highlighted chapter marker, select **[Confirm]** and press **OK**.
↳ The chapter marker is removed.

5 To exit, press select **[Cancel]**.

Edit a title name

1 Press **REC LIST**.

2 Select a title, then press the **Red** button **[Edit]**.
↳ The edit menu is displayed.

3 Select **[Rename]**, then press **OK**.
↳ An on-screen keyboard is displayed.

4 Select the key to enter, then press **OK**.
- Use the following keys to edit:

Action	Option
Insert a space between the characters.	[Space]
Remove the character to the left of the cursor.	[Delete]
Toggle between upper, lower case characters or symbols	[CAPS]

5 To confirm, select **[OK]**, then press **OK**.
↳ The title name is edited.

1_DVR2008_97_eng_wk822.indd 38 2008-05-26 10:29:46 AM

Delete all titles

1 Press **REC LIST**.

2 Select a title, then press the **Green** button **[Tools]**.
↳ The tools menu is displayed.

3 Select **[Delete all titles]**, then press **OK**.
↳ A confirmation message is displayed.
- To cancel, select **[Cancel]**, then press **OK**.

4 To confirm, select **[Confirm]**, then press **OK**.
↳ All titles are removed.

Delete a title

1 Press **REC LIST**.

2 Select a title, then press the **Green** button **[Tools]**.
↳ The tools menu is displayed.

3 Select **[Delete]**, then press **OK**.
↳ A confirmation message is displayed.
- To cancel, select **[Cancel]**, then press **OK**.

4 To delete the selected title, select **[Confirm]**, then press **OK**.
↳ The title is removed.

Set child lock

Before you start...
Ensure you have enabled the child lock function. (See chapter "Adjust settings - Video settings - Enable child lock").

You can prevent a child from viewing a title which requires parental guidance by setting a child lock to the title.

1 Press **REC LIST**.

2 Select a title, then press the **Green** button **[Tools]**.
↳ The tools menu is displayed.

3 Select **[Child Lock]**, then press **OK**.
↳ A confirmation message is displayed.
- To cancel, select **[Cancel]**, then press **OK**.

4 To confirm, select **[Confirm]**, then press **OK**.

5 Enter the password, then press **OK**.
↳ The title is locked from viewing.

To unlock child lock

1 Press **REC LIST**.

2 Select a title, then press the **Green** button **[Tools]**.
↳ The tools menu is displayed.

3 Select **[Un-Lock]**, then press **OK**.
↳ A confirmation message is displayed.
- To cancel, select **[Cancel]**, then press **OK**.

4 To confirm, select **[Confirm]**, then press **OK**.

5 Enter the password, then press **OK**.
↳ The title is unlocked for viewing.

1_DVR2008_97_eng_wk822.indd 39 2008-05-26 10:29:46 AM

Protect/ Unprotect a title

You can protect the recorded title to prevent accidental loss of recordings.

1 Press **REC LIST**.

2 Select a title, then press the **Green** button **[Tools]**.
↳ The tools menu is displayed.

3 Select **[Protect Title]**, then press **OK**.
↳ A confirmation message is displayed.
- To cancel, select **[Cancel]**, then press **OK**.

4 To confirm, select **[Confirm]**, then press **OK**.
↳ The title is protected. It cannot be erased or edited.

To unprotect a title,

1 Press **REC LIST**.

2 Select a title, then press the **Green** button **[Tools]**.
↳ The tools menu is displayed.

3 Select **[Unprotect Title]**, then press **OK**.
↳ A confirmation message is displayed.
- To cancel, select **[Cancel]**, then press **OK**.

4 To confirm, select **[Confirm]**, then press **OK**.
↳ The title is unprotected.

1_DVR2008_97_eng_wk822.indd 40 2008-05-26 10:29:46 AM

8 Copy Files

Copy to USB

Notes

- Only digital cameras and devices which support USB Mass Storage Device class standard are supported.
- Recorded titles are copied in FAT32 format to the USB device. To format your device in FAT32 format, see chapter "Adjust Settings – Format Files".
- If the USB device is formatted in NTFS system, it may not be operate properly with this recorder.
- When viewing recorded titles on a computer:
  – in FAT32 format, titles which are larger than 2GB will be divided in several files.
  – in FAT and FAT16 formats, titles which are larger than 1GB will be divided in several files.

Before you start...

Insert a USB device to the USB socket.
Select **[Confirm]** to view the USB contents menu.

Copy recordings to USB

1 Press **REC LIST**.

2 Select a title, then press the **Red** button **[Edit]**.
↳ The edit menu is displayed.

3 Select **[Copy to USB]**, then press **OK**.
↳ The title is copied to the USB.

4 Once complete, select **[Close]**, then press **OK**.

Copy media files to USB

1 Press **HOME**.

2 Select **[Media Files]**, then press **OK**.
↳ The content menu is displayed.

3 Select the folder or file to copy and press the **Green** button **[Edit]**.

4 Select **[Copy to USB]**, then press **OK**.
↳ The USB content menu is displayed.

5 To confirm, press the **Green** button **[Paste]**.
↳ The folder/file is copied to the USB flash drive. A confirmation message is displayed.

6 To exit, press **OK**.

Copy to HDD

Copy media files to HDD

1 Press **HOME**.

2 Select **[USB]**, then press **OK**.
↳ The USB content menu is displayed.

3 Select the folder or file to copy and press the **Green** button **[Edit]**.

4 Select **[Copy to Media Files]**, then press **OK**.
↳ The media files menu is displayed.

5 To confirm, press the **Green** button **[Paste]**.
↳ The folder/file is copied to the media files. A confirmation message is displayed.

6 To exit, press **OK**.

1_DVR2008_97_eng_wk822.indd 41 2008-05-26 10:29:46 AM

9 Adjust Settings

Note

- Underlined options are the factory default settings.

Language Settings

Change system menu language

1 Press **HOME**.
2 Press **[Settings]**, then press **OK**.
3 Press ▶ to select **[Language].**
4 Press ▼ to select **[Menu Language]**, then press **OK**.
5 Select an option and press **OK**.
6 To go to Home menu, press **HOME**.

Set DivX subtitle font

1 Press **HOME**.
2 Press **[Settings]**, then press **OK**.
3 Press ▶ to select **[Language].**
4 Press ▼ to select **[DivX Subtitle Font]**, then press **OK**.
5 Select an option and press **OK**.

[Standard]
Display a standard list of Roman subtitle fonts supported on this recorder.

[简体中文]
Display Simplified Chinese fonts.Under

[繁體中文]
Display Traditional Chinese fonts.

6 To go to Home menu, press **HOME**.

Set media font

Select a font which displays the filename of the media content.

1 Press **HOME**.
2 Press **[Settings]**, then press **OK**.
3 Press ▶ to select **[Language].**
4 Press ▼ to select **[Media Title Font]**, then press **OK**.
5 Select an option and press **OK**.

[Standard]
Display a standard list of Roman subtitle fonts supported on this recorder.

[简体中文]
Display Simplified Chinese fonts.

[繁體中文]
Display Traditional Chinese fonts.

6 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 42 2008-05-26 10:29:47 AM

Set recording language

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Language].**

4 Press ▼ to select **[Dual Language]**, then press **OK**.

5 Select an option and press **OK**.

[Language I]

The first broadcast language will be recorded.

[Language II]

The second broadcast language will be recorded.

6 To go to Home menu, press **HOME**.

Tuner Settings

Select country of residence

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Tuner].**

4 Select **[TV Region]**, then press **OK**.

5 Select an option and press **OK**.

6 To go to Home menu, press **HOME**.

Install all TV channels

Note

- All channels stored on the recorder will be reset.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Tuner].**

4 Press ▼ to select **[Auto Scan]**, then press **OK**.
↳ Channel tuning begins.
- To cancel, select **[Cancel]**, then press **OK**.

5 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 43 2008-05-26 10:29:47 AM

Manage preset channels

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Tuner].**

4 Press ▼ to select **[Manage Presets]**, then press **OK**.

5 Select **[Edit]**, then press **OK**.

PR	Name	Channel Edit	
1	PR 1	Status	ON
2	PR 2	Name	PR 2
3	PR 3	Fine Tune	1
4	PR 4	Video System	PAL B/G
5	PR 5	Swap With	1
6	PR 6	Seek	175.25Mhz
7	PR 7		
8	PR 8		

6 Select a channel to edit, then press **OK**.

7 Use ◀▶ keys to change the setting and ▲▼ keys to select the previous/next entry field.

[Status]

- **[ON]** : You can access the channel by using the **P +/—** key.
- **[OFF]** : You can access the channel only by pressing the corresponding numeric key.

[Name]

Displays the channel name.

[Fine Tune]

Adjust the frequency of the channel.

- Use ◀▶ keys to increase/decrease the frequency.

[Video System]

Use ◀▶ keys to select a TV system standard that produces the least distortion of picture and sound.

[Swap With]

Select the target channel to change position with the current channel.

[Seek]

Enter the frequency of the channel.

- Select the key to enter and press **OK**.
- To confirm, select **[OK]** , then press **OK**.

6 Once complete, press **OK.**

7 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 44 2008-05-26 10:29:47 AM

Video Settings

Set picture display format

The picture format determines the aspect ratio of display according to the type of TV you have connected.

1 Press **HOME**.

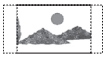
2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Video].**

4 Press ▼ to select **[TV Shape]**, then press **OK**.

5 Select an option and press **OK**.

[4:3 Pan Scan]



Select this for a full-height picture with both sides trimmed.

[4:3 Letter Box]

Select this for a 'wide screen' display with black bands on the upper and lower portions of the TV screen.

[16:9 Widescreen]

Select this for a wide screen TV (frame ratio16:9).

6 To go to Home menu, press **HOME**.

Set video format

Set a video format supported by the connected TV. You can also press the **RESOLUTION** button to toggle through the video options.

Note

- If the selected resolution is not supported, the screen turns blank and resumes to the optimal resolution in twenty seconds.
- If you select the options [720p] or [1080i], there will not be any concurrent display through the CVBS video connections.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Video].**

4 Press ▼ to select **[Video Format]**, then press **OK**.

5 Select an option and press **OK**.

[PAL 576i]. [PAL 576p], [720p], or [1080i]

Select a video resolution according to the capability of the connected TV: "i" denotes interlace and "p" denotes progressive.

6 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 45 2008-05-26 10:29:48 AM

View DivX(R) VOD registration code

Select to view the DivX® VOD (Video On Demand) registration code that allows you to rent or purchase videos using DivX® VOD services. For more information, visit www.divx.com/vod.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Video].**

4 Press ▼ to select **[DivX(R) VOD]**, then press **OK**.
   ↳ The registration code is displayed. Use this code to purchase or rent videos from DivX® VOD service at www.divx.com/vod.

5 To go to Home menu, press **HOME**.

Recording Settings

Select the recording quality

See chapter 'Record – Recording settings'.

Select the time shift buffer quality

See chapter 'Watch Live TV – About Time Shift Buffer - temporary HDD storage'.

Set auto chapter markers

Divide a recording (title) into chapters by inserting chapter markers at a specific interval. This enables you to access a specific point in the recording quickly.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Recording].**

4 Press ▼ to select **[Auto Chapter Marking]**, then press **OK**.

5 Select an option and press **OK**.

   [5 minutes], [10 minutes], [15 minutes], [20 minutes]

   Chapter markers are inserted automatically within the title during recording at every 5, 10, 15, or 20 minutes interval.

   [OFF]

   No chapter markers are inserted in the recording.

6 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 46 2008-05-26 10:29:48 AM

Control Time Shift Buffer

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ to select **[Recording].**

4 Press ▼ to select **[Time Shift Buffer]**, then press **OK**.

5 Select an option and press **OK**.

[Auto]

Programmes are automatically stored to the time shift buffer once you switch on the recorder.

[Manual]

Time shift buffer is activated manually.

- When viewing a video source or live TV, press ▶II to enable time shift mode. To disable, press ■.

6 To go to Home menu, press **HOME**.

System settings

Adjust time and date

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ repeatedly to select **[System].**

4 Select **[Clock]**, then press **OK**.

- Use the numeric keypad to enter each field.
- Use ◀▶ to select the previous/next field.

[Year Month Day]

Enter the date in the format : year, month and day.

[Hour Min. Sec.]

Enter the time in the format : hour, minutes and seconds.

5 To confirm, press **OK**.

↳ A confirmation message is displayed.

- To cancel, select **[Cancel]**, then press **OK**.

6 To proceed, select **[Confirm]**, then press **OK**.

7 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 47 2008-05-26 10:29:48 AM

Enable night mode

Night mode optimises playback of sound at low volumes

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ repeatedly to select **[System].**

4 Press ▼ to select **[Night Mode]**, then press **OK**.

5 Select an option and press **OK**.

[ON]

Enable night mode. High volume output is softened and low volume output is increased to an audible level.

[OFF]

Disable night mode.

[Auto Volume Adjust]

Enable automatic night mode.

6 To go to Home menu, press **HOME**.

Enable child lock

Child lock allows you to set a password to prevent viewing of prohibited content.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ repeatedly to select **[System].**

4 Press ▼ to select **[Child Lock]**, then press **OK**.

5 Select an option and press **OK**.

[ON]

Enable child lock.

[OFF]

Disable child lock.

6 Enter the existing four digit password.

- If you are entering the password for the first time or if you forget the password, the default password is '0808'.

7 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 48 2008-05-26 10:29:48 AM

Change password

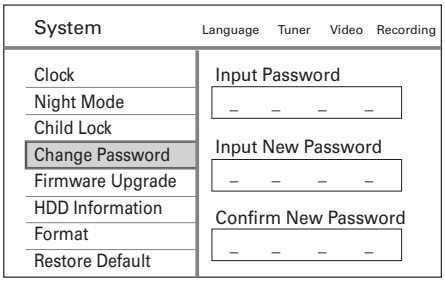
Change the password for child lock. This four digit password may be required when you are playing prohibited content.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ repeatedly to select **[System]**.

4 Press ▼ to select **[Change Password]**, then press **OK**.



5 Enter the existing four digit password.
- If you are entering the password for the first time or if you forget the password, the default password is '0808'.

6 Enter the new four digit pin code.

7 Enter the same four digit pin code again, then press **OK**.

8 Select **[OK]** and press **OK**.

9 To go to Home menu, press **HOME**.

View firmware information

Display information on the hard disk space.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ repeatedly to select **[System]**.
↳ The current version of the firmware of this recorder is displayed.

4 To go to Home menu, press **HOME**.

View hard disk information

Display information on the hard disk space.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ repeatedly to select **[System]**.

4 Press ▼ to select **[HDD Information]**, then press **OK**.
↳ Information on available space for recording is displayed.

5 To exit, select **[OK]** and press **OK**.

6 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 49 2008-05-26 10:29:48 AM

Format files

This option removes all recordings and media files on the recorder or a USB flash drive

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ repeatedly to select **[System].**

4 Press ▼ to select **[Format]**, then press **OK**.

5 Select an option and press **OK**.

[Recordings]

Removes recorded titles on the recorder.

[Media Files]

Removes all media files (MP3, WMA, jpeg and DivX files) on the recorder.

[USB]

Removes all files on the USB flash drive.

6 To go to Home menu, press **HOME**.

Restore default settings

Reset the recorder to factory default settings.

Note

- After the reset, the initial setup is required. See chapter 'Get Started - First time settings'. All previous settings are reset.

1 Press **HOME**.

2 Press **[Settings]**, then press **OK**.

3 Press ▶ repeatedly to select **[System].**

4 Press ▼ to select **[Restore Default]**, then press **OK**.
↳ A confirmation message is displayed.

5 Select **[OK]** and press **OK**.

6 To go to Home menu, press **HOME**.

1_DVR2008_97_eng_wk822.indd 50 2008-05-26 10:29:48 AM

10 Additional Information

Care

Hard disk drive handling care

To avoid damage to the hard disk and losing important data:

- Do not move the recorder or subject it to vibration during its operation.
- Do not disconnect the AC power plug from the mains socket without switching the recorder to standby mode.

Regularly backup data in the hard disk in case of data corruption or loss. Philips bears no responsibility for loss of data stored on the hard disk.

About Media Files

The media jukebox stores media files (video, music and photos). If the hard disk partition between Media Files and Recordings is not modified, the media files folder can store up to 40GB of video, music and photos.

Media Type	Details
[Movies]	100 Hours/ 60 movies in DivX. (Based on 100Min per DivX Ultra movie, video: 640*480, 5028Kbps, 25.0fps, audio: 192Kbps, 48000Hz, 2CH AC3, 8 subtitle, 8 audio)
[Photos]	71,000 photos in JPG (Based on 562KB, 1920*1080 HD JPG)
[Music]	8,600 songs in WMA/ 716 hours (Based on 128Kbps, 4.65MB, 5 minutes per song).

The data is subjected to change if the user has modified the hard disk partition between [Media Files] and [Recordings] during firmware upgrade.

1_DVR2008_97_eng_wk822.indd 51 2008-05-26 10:29:48 AM

Upgrade software

The software installed in your recorder is continuously being refined for greater stability and compatibility of the set. Periodically, Philips issues upgrades for the software which you can copy onto a USB flash drive to install on your recorder.

Caution!

- Power supply must not be interrupted during upgrade!

Copy upgrade information

Note

- When checking for the latest firmare upgrade, please also check for any accompanying instructions on installing the firmware.

1 Insert the USB device to the USB socket. Select **[Confirm]** and press **OK**.

2 Press **HOME**.

3 Press **[Settings]**, then press **OK**.

4 Press ▶ to select **[System].**

5 Press ▼ to select **[Firmware Upgrade]**, then press **OK**.
↳ A confirmation message is displayed.

6 To proceed, select **[OK]**, then press **OK**.
↳ The information is copied to the USB device.

7 Once copying completes, press **OK** and remove the USB device.

8 Connect the USB device to a personal computer with internet access.
↳ Double-click on the file <Philips_DVR2008.html> to be directed to a web page to download the latest firmware.

9 Follow the on-screen instructions and download the required firmware.

Install firmware

Before you start...

- Copy the latest firmware to the root directory of your USB device.
- Switch off the power supply to the recorder.

1 Insert the USB device to the USB socket.

2 Press and hold ⏻ on the front panel and switch on the recorder.
↳ Release the ⏻ button when you see the firmware install screen is displayed.

To retain the recordings and media files in your hard disk,

1 Select **[Cancel]**, then press **OK**.
↳ Installation begins. Once complete, the initial setup is displayed. (See chapter "Get Started - First time settings".)

To format your hard disk,

1 Select **[Confirm]**, then press **OK**.

2 You can modify the hard disk partition between **[Media Files]** and **[Recordings]**.
- Use ◀▶ keys to modify the hard disk partition.

3 To confirm, press **OK**.
↳ Installation begins. Once complete, the initial setup is displayed. (See chapter "Get Started - First time settings".)

1_DVR2008_97_eng_wk822.indd 52 2008-05-26 10:29:49 AM

Specifications

Notes

- Specification and design are subject to change without notice.
- Only brands and models of digital cameras and devices which conform to USB Mass Storage Device class standard are supported.

Accessories supplied
- Remote control and batteries
- RF antenna cable
- Audio/ video cable
- Quick Start Guide

Recording Media
- Recording media: HDD, USB

Playback Media
- USB
- Compression formats: VOB (DVD), MPG (MPEG-1/2), AVI (DivX 3x/4x/5x/6x, MPEG-4 ASP: XviD), DivX, DivX Ultra, DAT (VCD), and HD MPEG2 TS/TP files

Storage Media
- Hard Disk capacity: 160 GB

Tuner/Reception/Transmission
- TV system: PAL
- Aerial Input: 75 Ohm coaxial (IEC75)

Picture/Display
- D/A converter: 12 bit, 108 MHz
- A/D converter: 10 bit, 27 MHz
- Picture enhancement: Progressive scan

Sound
- D/A converter: 24 bit, 192 kHz
- A/D converter: 24 bit, 192 kHz
- Signal to noise ratio: 98 dB
- Crosstalk (1kHz): 90 dB
- Dynamic Range (1kHz): 90 dB

Video Recording
- Recording system: PAL
- Compression formats: MPEG2
- Recording modes: High Quality (HQ), Standard Play (SP), Long Play (LP), Extended Play (EP), Super Long Play (SLP)
- Audio compression: MPEG

Audio Playback
- Compression formats: Dolby Digital, MPEG2 Multichannel, PCM, MP3, Mpeg I Layer 1,2,3/ Mpeg II Layer 1,2/ Dolby Digital AC3/ LPCM/ WMA/ AAC, LPCM/ MPEG audio recording
- MP3 bit rates: 32~256 kbps and VBR

Still Picture Playback
- Picture compression formats: JPEG, HD JPEG, BMP
- Picture enhancement: Rotate, Zoom

Convenience
- Programming/Timer Enhancements: Daily/Weekly, Repeat Programme, Manual Timer, One Touch Recording
- Programmable events: 8

Power
- Power supply: 220 - 240V, 50Hz
- Consumption: 18 W (typical)
- Standby power consumption: < 3W

Cabinet
- Dimensions (W x H x D) : 360 x 50 x 296 mm
- Net Weight : 3 kg

1_DVR2008_97_eng_wk822.indd 53 2008-05-26 10:29:49 AM

11 Troubleshooting

Warning!

- Risk of electric shock. Never remove the casing of this recorder.

To keep the warranty valid, never try to repair the system yourself.

If you encounter problems when using this recorder, check the following points before requesting service. If the problem remains unsolved, register your product and get support at www.philips.com/welcome.

Main Unit

No power.	• Press ⏻ (Standby-On) button on the front of the recorder to turn on the system. • Ensure that the AC outlet has power.
Remote control does not work.	• Aim the remote control directly at the sensor on the front of the recorder (not towards TV). • Remove any obstacles between the recorder and the remote control. • Batteries are weak. Replace the batteries.
No TV signal is received.	• Check the connection to the antenna or cable TV signal. • Manually tune and store the TV channel. See chapter 'Adjust Settings – Manage preset channels'.

1_DVR2008_97_eng_wk822.indd 54 2008-05-26 10:29:49 AM

Picture

No picture	• Check the video connections. See chapter 'Connect'. • Turn on the TV to the Video In channel. • Use the TV remote control to select the channel until you see the video output from the recorder. See chapter 'Get Started'. • Your recorder might have been set to progressive scan mode while your TV does not support progressive scan. Follow the steps below: 1) Connect the supplied AV cable (red/white/yellow) from the CVBS OUTPUT jacks on the rear panel of the recorder to the TV's Video In and Audio In jacks. 2) Turn on the TV and use the TV's remote control to select the corresponding video-in channel on the TV (eg., AV, EXT1, EXT2). 3) Turn on the recorder and wait until the TV displays the recorder screen. • The video resolution is not supported on your TV. Press the RESOLUTION button to toggle to a suitable video resolution.

Play

Unable to play DivX movies	• Check that the DivX file is encoded according to the 'Home Theatre Profile' mode with DivX encoder. • Check that the downloaded DivX movie is a complete file.
Unable to display some JPEG photos.	• This recorder only supports JPEG photos saved in Baseline Standard or Baseline Optimised mode.

1_DVR2008_97_eng_wk822.indd 55 2008-05-26 10:29:49 AM

Recording

A TV channel installed during the recorder's automatic TV channel search is fuzzy or distorted.	• Check the video connection between the recorder and the TV. • Press P + / — to search for the same TV channel which may have a clearer picture. • You can fine-tune the signal of the TV channel. See chapter on "Adjust Settings – Tuner Settings".
Recordings are not occurring as scheduled. New recordings cannot be made.	• The TV channel you want is not stored or the wrong program number was selected. Check the TV channels stored. • In the timer recording list, one of the following messages may be displayed in the [Status] column: • [FAIL] : A power cut had occurred at the time of the scheduled recording.

1_DVR2008_97_eng_wk822.indd 56 2008-05-26 10:29:49 AM

12 Glossary

Analogue sound
Sound that has not been converted into numbers. Analogue sound varies, while digital sound has specific numerical values. These sockets send audio through two channels, the left and right.

Aspect ratio
The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs. is 4:3, and that of wide-screens is 16:9.

AUDIO OUT sockets
Red and white sockets that send audio to another system (TV, Stereo, etc).

Chapter
Sections of a picture or a music piece on a recording that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

Component Video Out sockets:
Sockets that send high quality video to a TV that has Component Video In sockets (R/G/B, Y/Pb/Pr, etc).

DivX
The DivX code is a patent pending, MPEG-4 based video compression technology, developed by DivX Inc., that can shrink digital video to sizes small enough to be transported over the internet, while maintaining high visual quality.

Dolby Digital
A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, centre and subwoofer).

JPEG
A common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

MP3
A file format with a sound data compression system. "MP3" is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3.

MPEG
Motion Picture Experts Group. A collection of compression systems for digital audio and video.

S-Video
Produces a clear picture by sending separate signals for the luminance and the colour. You can use S-Video only if your TV has an S-Video In socket.

Title
The section of a movie or music feature on the recording. Each title is assigned a title number, enabling you to locate the title you want.

VIDEO OUT socket
Yellow socket that sends the video display to a TV.

1_DVR2008_97_eng_wk822.indd 57 2008-05-26 10:29:49 AM

1_DVR2008_97_eng_wk822.indd 58 2008-05-26 10:29:49 AM