DAEWOO
ELECTRONICS

DIGITAL TELEVISION
INSTRUCTION MANUAL

DUB-2850GB
DUB-2842GB

Help line Number: 0870 100 2525

ADDITIONAL INFORMATION FOR TV'S SOLD IN GREAT BRITAIN

The appliance is supplied with a moulded three pin mains plug fitted with 5Amp fuse. Should the fuse require replacement, it must be replaced with a fuse rated at 5 amp and approved by ASTA or BSI to BS1362.

The plug contains a removable fuse cover that must be refitted when the fuse is replaced.In the event of the fuse cover being lost or damaged, the plug must not be used until a replacement cover has been obtained.Replacement fuse covers can be purchased from your nearest electrical dealer and must be the same colour as the original.

If the moulded mains plug is unsuitable for the socket outlet in your home or is removed for any other reasons, then the fuse should be removed and the cut off plug disposed of safely to prevent the hazard of electric shock.

There is a danger of electric shock if the cut off plug is inserted into any socket outlet. If a replacement plug is to be fitted, please observe the wiring code shown below.The wires in the mains lead are coloured in the accordance with the following code:

Brown-live   Blue-neutral

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not make any connections to the terminal in the plug which is marked by the letter E by the safety earth symbol or coloured green or green and yellow.

CAUTION

⚠	**CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN	⚡
	CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	
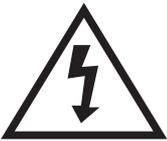
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

**WARNING:** To reduce the risk of fire or electric shock hazard, do not expose this appliance to rain or moisture.

**DISPOSAL OF USED ELECTRICAL & ELECTRONIC EQUIPMENT**
The meaning of the symbol on the product, its accessory or packaging indicates that this product shall not be treated as household waste. Please, dispose of this equipment at your applicable collection point for the recycling of electrical & electronic equipments waste. In the European Union and Other European countries which there are separate collection systems for used electrical and electronic product. By ensuring the correct disposal of this product, you will help prevent potentially hazardous to the environment and to human health, which could otherwise be caused by unsuitable waste handling of this product. The recycling of materials will help conserve natural resources. Please do not therefore dispose of your old electrical and electronic equipment with your household waste. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

SUPPLIED ACCESSORIES

Make sure that the following accessories are provided with the product.
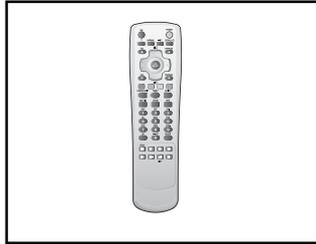
Remote Controller
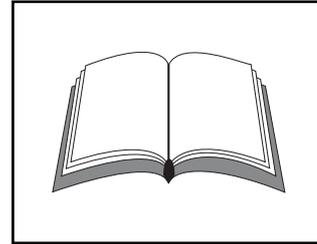
Instruction manual
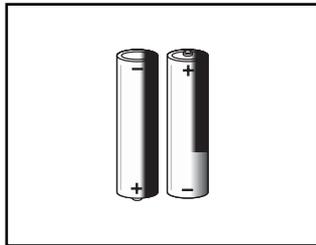
Batteries (Option)
(2x1.5V, AAA)

CONTENTS

Local Control

Front

ON/OFF

B1	B2	B3

Side

◄ PR ► ✛ \ ◻ ⊡ AV INPUT 3 S-VIDEO VIDEO L - AUDIO - R Ω

| B4 | B5 | B6 | B7 | B8 | B9 | B10 | B11 | B12 | B13 |

Rear

| | C1 |
| | C2 |

| C4 | C3 | C5 |

B1 MAIN POWER button
B2 STAND-BY indicator
B3 REMOTE sensor
B4 PROGRAM UP button
B5 PROGRAM DOWN button
B6 VOLUME UP button
B7 VOLUME DOWN button

B8 TV/AV button
B9 PANEL S-VIDEO jack
B10 VIDEO INPUT socket
B11 AUDIO INPUT (L) socket
B12 AUDIO INPUT (R)socket
B13 HEADPHONE socket
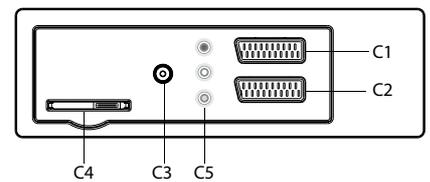
C1 SCART 1 socket
C2 SCART 2 socket
C3 AERIAL jack
C4 CI slot
C5 SPDIF

Remote Control Unit

TV mode

A1 POWER
A2 SOUND MUTE
A3 NORMAL
A4 TV/AV
A5 RECALL/INFO
A6 NUMBER 0...9
A7 OK/SELECT
A8 GUIDE
A9 MENU
A10 PROGRAM UP/DOWN
A11 NAVIGATION BUTTONS
A12 NAVIGATION BUTTONS
A13 VOLUME UP/DOWN
A14 DIGITAL/ANALOGUE
A15 CANCEL/EXIT
A16 3D
A17 ZOOM
A18 SUB TITLE
A19 MTS   On Digital: Language change
             On analogue: Mono forceing or
             dual language
A20 COLOUR BUTTONS
A21 TV → TELETEXT
A22 .
A23 .
A24 .
A25 .
A26 .
A27 .
A28 LIST   Change Favourite lists
A29 SLEEP

D/A   POWER
NORMAL   RECALL/ⓘ
VOL   PR/PAGE
OK/SELECT
VOL   PR/PAGE
CANCEL/EXIT   MENU   GUIDE
Sub Title   ZOOM   MTS

ABC	DEF	GHI
1	2	3
JKL	MNO	PQR
4	5	6
STU	VWX	YZ&.
7	8	9
3D	←→*/!	SLEEP
	0	

TEXT
LIST

A14, A3, A2, A13, A7, A12, A15, A9, A18, A6, A16, A22, A21, A25, A26

A1, A4, A5, A10, A11, A20, A8, A17, A19, A29, A24, A23, A27, A28
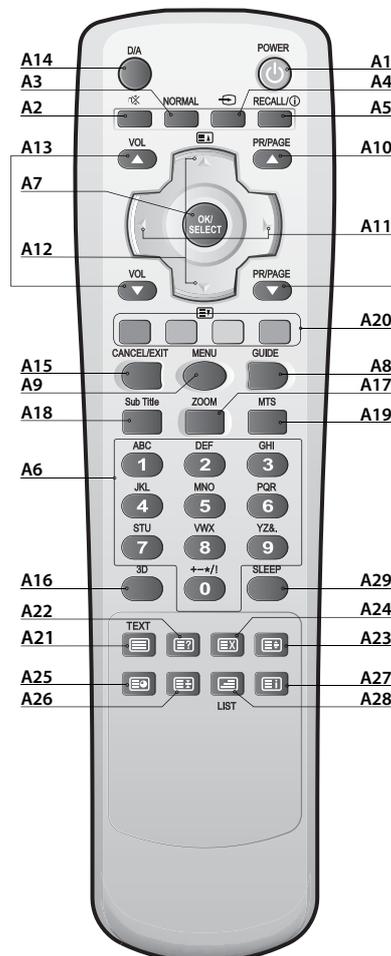
TELETEXT mode

A9 MENU
A10, A11 PAGE UP/DOWN
A12 PAGE CHANGE
        (TAT MODE)
A20 COLOUR BUTTONS
        (RED, GREEN, YELLOW,
        CYAN)
A21 TELETEXT ↔ TV
A22 REVEAL
A23 HEIGHT
A24 CANCEL
A25 SUBPAGE
A26 HOLD
A27 INDEX
A28 MIX

⚠️ IMPORTANT SAFEGUARDS

WATER AND MOISTURE
The apparatus shall not be exposed to dripping or splashing water and no object filled with liquids, such as vases , should be placed on the apparatus.

HEAT
Never place the set near heat sources.
Never put a naked flame, such as a candle, on the top of TV set.

VENTILATION
Do not cover the ventilation openings in the cabinet and never place the set in a confined space such as in a bookcase or built-in cabinet unless proper ventilation is provided. Leave a minimum 10 cm gap all around the unit.

OBJECT ENTRY
Do not insert foreign objects, such as needles and coins, in the ventilation openings.

LIGHTNING STRIKE
You should disconnect the set from the mains and the aerial system during thunderstorms.

CLEANING
Unplug the set from the mains while cleaning.

AFTER MOVING THE SET
If the set is moved or turned, the MAIN POWER button must be switched off for at least 15 minutes in order to take out any colour patches on the screen.

DISCONNECTION
Please place the TV set in such a way that the main plug can be easily disconnected.

INSTALLATION
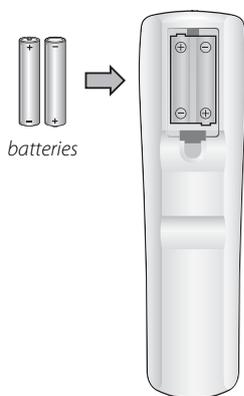
batteries

Open remote control battery compartment (at the rear) and insert two 1.5V type AAA batteries. Warning: be careful to respect battery polarities.
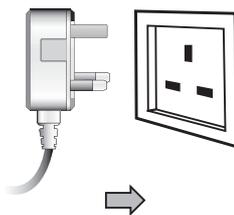
Insert the main plug into a 220~240V 50Hz AC power socket.
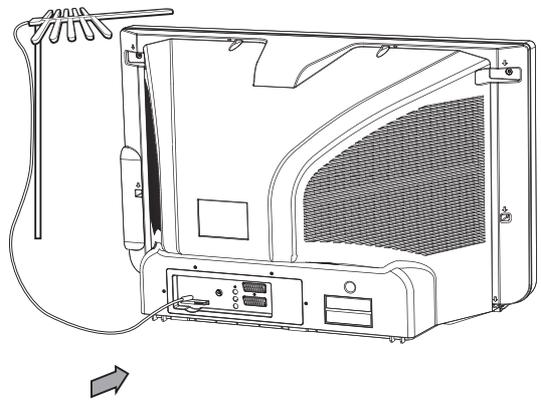
Connect aerial to aerial jack (C3).

SWITCHING ON AND OFF

ON/OFF
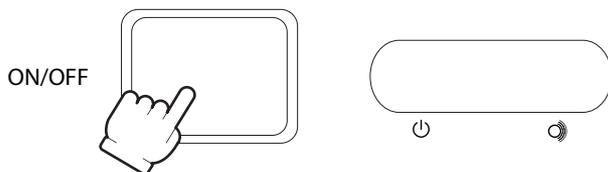
If you press shortly power button of the remote control (A1) on digital mode, your TV start searching a new software and will go to stand-by mode after finishing. During this process, the picture is off but power is supplied.
Your TV do this process once a day. To skip this, keep pressing power button (A1) for 2~3 sec.
See page.13 for detailed information.

5
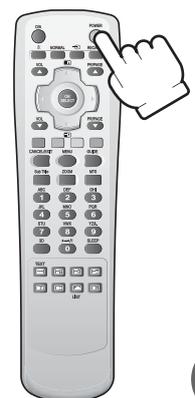
The rear Scart1 (C1), Scart2 (C2) sockets, the front AV socket (B10) (B11 and B12), and the S-VHS socket (B9) are three dedicated sockets to connect audio-video equipment.

Rear

REAR SCART 1 SOCKET (AV1)

This socket (C1) has video / audio inputs and outputs. When the TV set is in analogue mode, output is RF analogue signal. It is recommended to connect to this socket automatic AV switching equipment such as video games, DVD players and most VCR's.
In most cases, when connecting powered equipment to this socket, the TV set switches automatically to AV mode. If not, then use the TV/AV buttons (A4) or (B8) to select AV1.

REAR SCART 2 SOCKET (AV2)

This socket (C2) has video / audio inputs and outputs. The signal output is a monitor of the picture displayed on a screen and RF digital signal. Automatic AV switching equipment(for example most VCR's) can be connected to this socket. In most cases, when connecting powered equipment to this socket, the TV set switches automatically to AV mode. If not, then use the TV/AV buttons (A4) or (B8) to select AV2.
You can also receive an S-VHS signal with REAR SCART2 socket, by selecting SVHS2 with the TV / AV buttons (A4) or (B8).

REAR RCA JACK

This jack (C5) has SPDIF out in digital mode and audio L/R outputs.
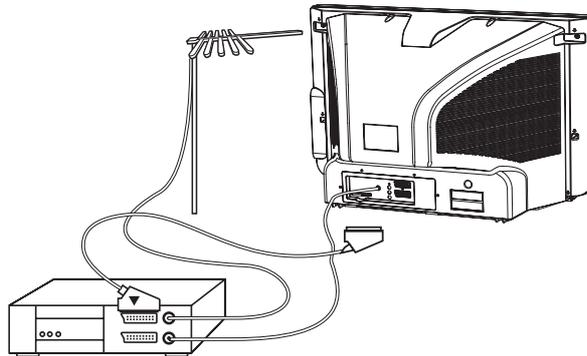
VCR / DVD / Video Game
 Important: If your video equipment does not have SCART socket(s), or if you wish to use only the aerial (RF) connection (not recommended), then you should make use of PR 00 on the TV set for best performance.

Side

TV/AV SELECTION

Allows to switch between TV and external modes.
By repeatedly pressing the remote control TV / AV (A4) or the TV front panel TV / AV (B8) button, the on-screen display is changed as shown (SVHS3 is an option):

AV1 → AV2 → SVHS2 → AV3 → SVHS3 → TV

Remark: If the signal source from the rear SCART1 socket (AV1) is RGB (e.g. normally from a DVD player) then AV1 RGB will be displayed.

HEADPHONE SOCKET

To hear TV sound with headphones, insert a 3.5mm headphone plug into the headphone socket (B13). The speaker's sound will be automatically cut off.

SIDE AV SOCKET (AV3)

The side AV socket (B10) - (B11 and B12) has audio and video inputs. To switch from TV to these inputs, use the TV / AV buttons (A4) or (B8) and select AV3.

VIDEO GAME

CAMCORDER   OR
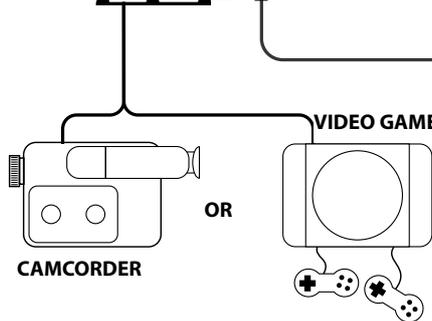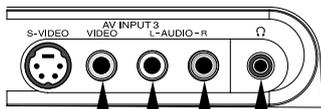
SIDE S-VIDEO JACK

The side S-VIDEO jack (B9) has video inputs only.
It is necessary to connect the audio inputs to socket (B11 and B12) in order to have audio and video. To switch from TV to these inputs, use the TV / AV buttons (A4) or (B8) and select SVHS3.

Remark: The side S-VIDEO jack (B9) and the VIDEO socket (B10) does not connect at the same time.

DAILY USE

SWITCHING ON TV SET

1) If stand-by indicator (B2) is red, then the TV set is in stand-by mode.
   You can switch on using the remote control POWER button (A1), the NUMBER 0….9 buttons (A6), or PROGRAM UP (A10) / DOWN (A10) buttons.
   The front panel PROGRAM UP/DOWN buttons (B4 or B5) can also be used.
   Once on, the stand-by indicator turns to green and the picture appears on the screen.

2) If stand-by indicator (B2) is not lit, then the TV set is powered off.
   You must press the TV set front panel MAIN POWER button (B1).
   If a picture does not appear, then the stand-by indicator will be red.
   In this case, use the remote control as indicated in 1).

3) If stand-by indicator (B2) is flashing red, and green then the TV set is in child-lock mode. It is necessary to use the remote control POWER button (A1), NUMBER 0….9 buttons (A6), or PROGRAM UP (A10) / DOWN (A10) buttons.
   The front panel PROGRAM UP/DOWN buttons (B4 or B5) will not function.
   Once on, the stand-by indicator turns to green and the picture appears on the screen.
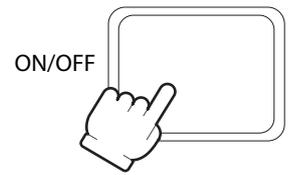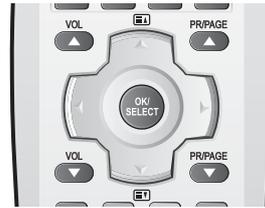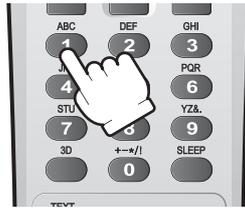
The first time the TV set is powered ON, INSTALL menu will pop on screen. If you don't want to install channels later press the key "MENU" twice to close all menus. Otherwise from this menu you can start an automatic channel installation. See on page 10 how to start automatic installation.

SWITCHING OFF TV SET

1) Pressing the remote control POWER button (A1), you can switch off to stand-by mode (low power consumption mode) which also allows quick restart by remote control (see above: SWITCHING ON TV SET).

2) Pressing the TV set front panel MAIN POWER button (B1), you can completely power off the TV set.
   In this case, you must use the same front panel POWER button (B1) to switch on again (see above: SWITCHING ON TV SET).

Remark: If an analogue broadcast signal is not present after 30 minutes, the TV set will automatically return to stand-by mode.

DIGITAL or ANALOGUE CHANNELS ?

This TV set can tune digital and analogue channels.
Use D/A button (A14) on the remote control to switch the TV between analogue and digital mode. Then use ▲PR▼ or 0..9 buttons to select channel.

Direct selection

Use the remote control NUMBER 0….9 buttons (A6).
For two digits or three digits program numbers, enter the second digit within 2 seconds.

Up / Down selection

Use the remote control PROGRAM UP (A10) / DOWN (A10) buttons or the TV set front panel PROGRAM UP / DOWN buttons (B4 or B5).

SOUND CONTROL

Volume adjustment

Use the remote control VOLUME UP (A13) / DOWN (A13) buttons or the TV set side panel VOLUME UP / DOWN buttons (B6 or B7).
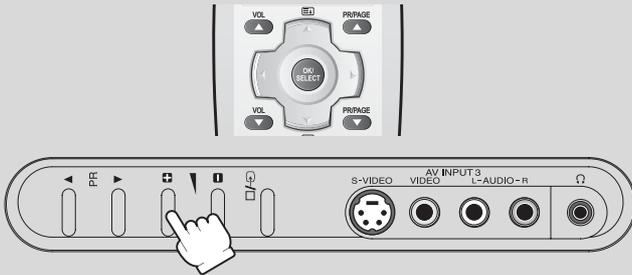
Mute

Mute the sound by pressing the remote control SOUND MUTE button (A2).
Then, ⊠ logo is displayed on the screen. The previous sound setting is returned after pressing the same button a second time.
If a sound related function is used (e.g. VOLUME, 3D) then the MUTE will also be cancelled.
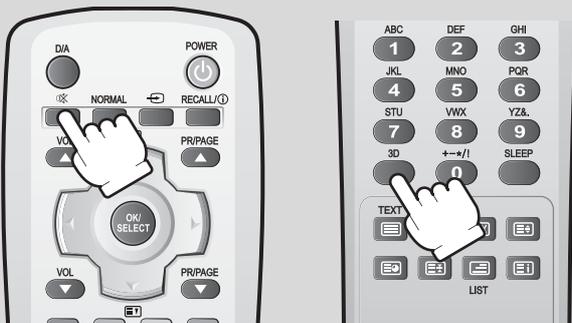
Mono forcing, dual language (Analogue mode only)

- If you are unable to get good sound quality for a program due to poor reception, you can force a change from stereo to mono transmission by pressing the remote control MTS button (A19). Then the program status display will indicate „MONO" with a 🔒 icon.

- On the other hand, during a program with dual language transmission, the MTS button (A19) allows you to toggle between the first and second language. The program status display will indicate „DUAL 1" or „DUAL 2" (plus NICAM according to the received signal).

- To return to the initial state, press again the MTS button (A19).

Change language (Digital mode only)

- You can open the "Language" sub menu by pressing the MTS button.
When available this allows you to change the audio and subtitle languages

Sound effects

A SPATIAL sound effect is available, using the remote control 3D (A16) button.

The following display appears:

SPATIAL	——— Spatial sound effect
STEREO	——— Sound transmission mode
🕐 18:30	——— Clock
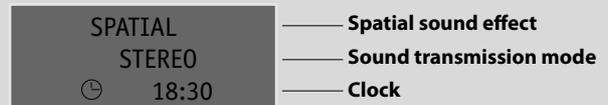
To return to the initial sound effect, press again the 3D (A16) button.

The following display appears:

OFF	——— No sound effect
STEREO	——— Sound transmission mode
🕐 18:30	——— Clock

As an option, the sound effects PANORAMA and Dolby Virtual are available with the same button. For other adjustments such as BALANCE, EQUALIZER or AVL(option), use the SOUND menu (page 10).

PICTURE CONTROL

You can select three pictures settings, by using the remote control NORMAL button (A3) :
- Normal I (standard hard picture)
- Normal II (standard soft picture)
- Favourite

For other adjustments: BRIGHTNESS, CONTRAST, COLOUR, SHARPNESS, NOISE REDUCTION, use the PICTURE menu.
If an NTSC signal is received, then the TINT adjustment will also be available.

01	BBC1
	NORMAL I
	🕐 18:30

01	BBC1
	NORMAL II
	🕐 18:30

01	BBC1
	FAVOURITE
	🕐 18:30

SLEEP FUNCTION

The set will turn off (to stand-by mode) after a period of time that you can select. By repeated use of the remote control SLEEP button (A29), you can enter one of the following settings :

OFF → 20 min → 40 min → 60 min → 80 min → 100 min → 120 min → OFF

01	BBC1
	STEREO
🛏	20

— Remaining time (minutes) before TV set switches off

The SLEEP time remaining (before TV turn-off) can be seen again at any time by one touch on the remote control SLEEP button.
A second touch (while the status display is active) will modify the SLEEP time remaining.

FORMAT SELECTION

AUTO setting :
If picture format signalling data is received, then the most appropriate ZOOM format will be automatically selected. In the absence of this data, the default ZOOM format will be selected (see page 12, ZOOM AUTO function under FEATURES MENU).
Otherwise, the preferred mode of the user can be forced by repeated pressing of the remote control ZOOM button (A17):

Television Format 16:9
The following picture formats are available:
AUTO → 4:3 → ZOOM 14:9 → ZOOM 16:9 → FULL SCREEN → AUTO

MENUS DESCRIPTION

MAIN MENU

All menus are removed within 60 seconds if you don't press any button.

Press the remote control MENU button (A9) to display the main menu. Then, you have the choice between several sub-menus:

If you want to Exit the main menu, press the MENU button (A9) a second time.
- To select one of the sub-menus, use the remote control CURSOR UP (A11), DOWN (A11) buttons.
- To enter the selected sub-menu, press the remote control OK button (A7).

```
MAIN MENU      ▭ ◁) ⚗ +α  DV3
PICTURE
SOUND
INSTALL
FEATURES
DVB MENU


▲▼ Position              OK Access
MENU Exit
```
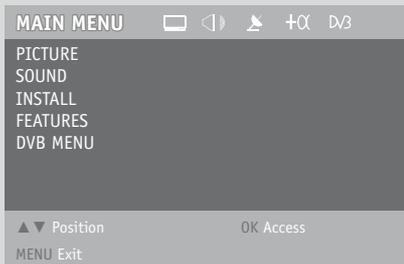
Remark: In AV mode of digital tuner mode, the INSTALL menu is not available, and will not be selectable.
In AV mode of analogue mode, the DVB menu is not available, and will not be selectable.

PICTURE MENU

- Select and adjust the level of each function : BRIGHTNESS, CONTRAST, MODE COLOUR, SHARPNESS, TINT (if available).
- You can also select MODE with the NORMAL key on the REMOTE CONTROL.
- The NOISE REDUCTION feature can be activated or not.
- The OK (A7) or NORMAL button will select the picture presets FAVOURITE, NORMAL I, NORMAL II. The currently selected preset is displayed in the menu header.
- The FAVOURITE preset contains the settings that you last entered. If the NTSC standard is detected (eg from VHS player connected to AV1), then TINT will available. Otherwise TINT will be displayed, but not selectable.

```
PICTURE        ▭ ◁) ⚗ +α  DV3
MODE                 NORMAL I  • •
BRIGHTNESS         ▭▭▭▭▭
CONTRAST           ▭▭▭▭▭
COLOUR             ▭▭▭▭▭
SHARPNESS          ▭▭▭▭▭
TINT               ▭▭▭▭▭
NOISE RED.              ON

▲▼ Position              ◀▶ Adjust
MENU Exit                OK Preset
```

SOUND MENU

```
SOUND          ▭ ◁) ⚗ +α  DV3
VOLUME             ▭▭▭▭▭
BALANCE            ▭▭▭▭▭
EQUALIZER            NORMAL
AVL                  OFF



▲▼ Position              ◀▶ Adjust
MENU Exit
```
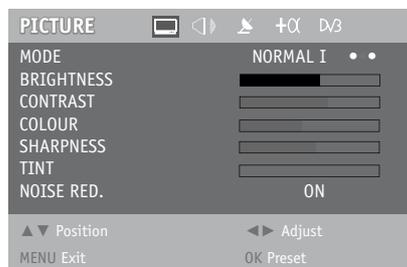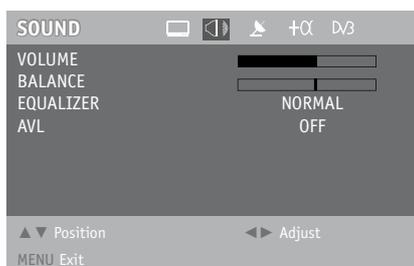
- Select VOLUME function to adjust the volume level.
- Select BALANCE function to adjust sound balance between the left and right speakers. If the indicator is highlighted in red, then the central balance position has been found.
- Use the EQUALIZER function to select the sound presets MUSIC, SPEECH, NORMAL, FAVOURITE by use of the CURSOR LEFT (A12), RIGHT (A12) buttons. The FAVOURITE preset contains the settings that you last entered into the EQUALIZER menu.
- The OK button (A7) will enter the EQUALIZER menu, and allow you to change the FAVOURITE settings.
- Automatic Volume Level (AVL, Option) feature has 4 levels according to your preference. This feature corrects for large volume level changes, such as occur when passing from a movie to advertisements. The AVL solves this problem by equalizing the volume level, over a SHORT MEDIUM or LONG period (referring to the time constant over which the equalizing effect lasts).

10

INSTALL MENU

Automatic tuning system	
Program list edition	
TV system modification	
Channel number	
Channel Frequency	
Channel name	
Program number	
Program storage number	

```
INSTALL        ▢ ◁⟩ 🔅 +α  DV3

ATSS                    GB
EDIT
SYSTEM                  GB
CHANNEL               C 04
FREQUENCY            063.75
NAME                 - - - - -
PROGRAM                 01
STORE TO                01

▲ ▼ Position        ◄ ► Adjust
MENU Exit           OK  Access
```

Country	
TV system	
Channel number	
Channel Frequency	
Channel name	
Program number	
Program storage number	

Automatic Tuning System

If you have a satellite decoder: If your decoder is connected to the TV set by the aerial jack (C3), you must power on the demodulator and tune Sky News before starting ATSS.

ATSS = Automatic Tuning and Sorting System. To start the ATSS function:
- Select „ATSS" function.
- Adjust to the required country.
- Press and hold the OK button (A7) to start the automatic tuning.

The ATSS function has started when the phrase „Please Wait!" appears (in red characters) in the help instructions box, below the Install menu.
When the ATSS function is finished, the stored programs are displayed on screen using Edit menu presentation (to Exit tuning before automatic tuning finished, press the remote control MENU button (A9))

Program List Edition

This allows you to easily manipulate the existing program order allocation, by using Edit menu functions described below.

Program number	
Station name	
Channel number	

```
EDIT           ▢ ◁⟩ 🔅 +α  DV3

PR        NAME        CH    SKIP
04        - - - -    C 02    ☐
03        - - - -    C 25    ☐
02        - - - -    C 33    ☐
01        - - - -    C 35    ☑
00        - - - -    C 41    ☑
99        - - - -    C 41    ☑

● Skip      ● Move      ● Delete
MENU Exit              ▲ ▼ Position
```

Skip code

✓: Program skipped
Nothing : Program not skipped
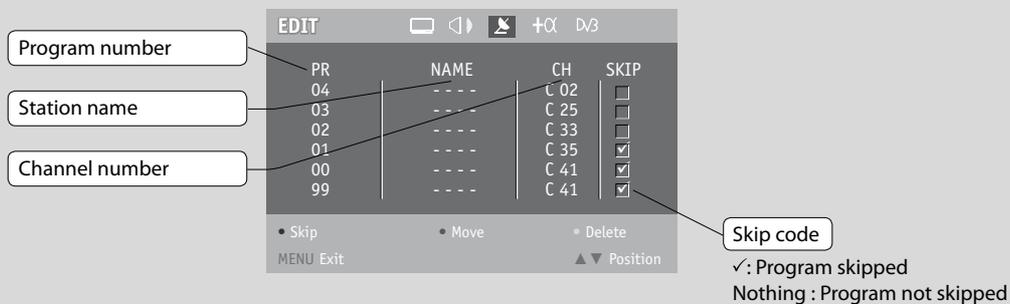
To enter the EDIT menu: From Install menu, select „Edit", and press the OK button (A7): the EDIT menu appears.
The current program being displayed is highlighted in blue (on the central line). In the above case, the current program is PR00. The 3 previous, and 3 following programs, are always displayed. Any program from 00 to 99 can be selected, by using the remote control CURSOR UP (A11) / DOWN (A11) buttons.
The memorised programs can be modified as follows :
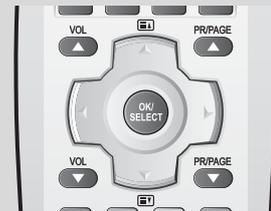
Channel skipping
- You can select skip „YES" or „NO" using the remote control RED „Skip" button (A20). A program with skip „YES" doesn't appear on screen when changing channels with the PROGRAM UP (A10) / DOWN (A10) buttons.

Manual Channel Tuning

Choose a starting point

- Select with „Program" the program from which you want to start manual tuning. Then the channel number, the frequency, the name and the program number of this program are displayed in the Install menu.

TV system modification

If necessary, you can modify the TV system :
- Select „system" function.
- Adjust choosing between FRANCE (L/L'), GB (I), EURO (B/G), E/ EURO (D/K) systems.

Then, the program displayed on the screen is changed to the chosen system.

Channel deleting
- Select the program to delete using the remote control CURSOR UP (A11) / DOWN (A11) buttons.
- Press the remote control YELLOW „Delete" button (A20). The deleted program is moved to program number 99 with skip changed to „YES". The existing 99 program is moved to program number 98 and so on.

Channel searching

- Select the „Frequency" function.
- Press, and hold for more than 1 second, the remote control CURSOR RIGHT (A12) [LEFT (A12)] buttons to start up [down] manual tuning.
- Searching will stop automatically at the next channel found (to stop tuning, press the remote control MENU button (A9)).

Note: You can directly locate a program by entering the data into the „channel" or the „frequency" function.

Perform fine tuning

- If you are unable to get a good picture or reasonable quality sound due to poor reception, it is possible to perform fine tuning.
- Select the „frequency" function.
- Press, for less than 1 second, the remote control CURSOR RIGHT(A12) [LEFT(A12)] buttons to perform up [down] fine tuning in steps of 0.05MHz (50 kHz).

Channel order changing
- Select the program to move using the remote control CURSOR UP (A11) / DOWN (A11) buttons.
- Press the remote control GREEN „Move" button (A12): the program line background is highlighted in green, and can be moved to another position using the remote control CURSOR UP (A11)/ DOWN (A11) buttons.
- When the desired position is reached, confirm the new position pressing the remote control GREEN „Confirm" button (A12). Then the program line background will return again to grey.

Enter station name

It is possible to enter your own choice of name for each program. You can change an existing name, or enter a name where none exists. If none exists „- - - - - - -" will be shown in the Install menu, and program status display (see the section PROGRAM STATUS DISPLAY on page 8).
- Select the „NAME" function.
- Select one of the 7 character positions by using the remote control CURSOR RIGHT (A12) / LEFT (A12) buttons to move the cursor.
- Then use the CURSOR UP (A11) /DOWN (A11) buttons to select the desired character for that position.
- Repeat the last two instructions for other positions, as desired.
- Once the name has been entered, press the OK button (A7) to store it. The name will be memorised to the program number currently shown on the „Store To" line. The „Store To" program number will highlight in red briefly.

Store program in memory

- Select the „store to" function
- Enter the program number you want to store by using the remote control CURSOR RIGHT (A12) / LEFT (A12) buttons, or directly by using the remote control NUMBER 0...9 buttons (A6).
- Press the OK button (A7) to confirm.

Remarks: this function can also be used if you want to copy a program already memorised to another program number.

FEATURES MENU

See section near the end of section DAILY USE for a more detailed explanation of these functions.

1. **When switched to ON:**
   Prevents the use of the TV set without remote control

2. **Wake up function**
   This function is only selectable when the clock is set. The TV set turns on from stand-by at the WAKE TIME with the programme entered on the WAKE PROG. line. Put the TV set on stand-by with the remote control. When TV set turns on by wake up function, it will be turned off if no touch to TV set within 3 hours after TV turned on.

3. Shared with WAKE TIME.

4. **TV clock setting**
   This function allows user to enter the time manually. This will disable automatic clock drift correction.
   Note : If you turn off the set with the main power button, the clock setting is lost. The clock will be automatically set again if you watch a digital program.

5. This function is only selectable when the default picture format is currently active (see also FORMAT SELECTION, AUTO setting, page 9). This selects the default format to be used only when the format selected with the ZOOM button (A18) is AUTO, and no picture format signalling data is received.

6. Change language to English, Welsh, Gaelic.

```
FEATURES      ▭ ◁⫸ ⚡ ⁺◁ DV3
CHILD LOCK                    OFF
WAKE TIME                     OFF
WAKE PROG.                  D 999
CLOCK                      - - : - -
ZOOM AUTO                   16 : 9
LANGUAGE
SOFTWARE UPDATE

▲ ▼ Position              ◀ ▶ ON / OFF
MENU Exit
```

1. Adjust this value ON or OFF.
   - In stand-by mode, the stand-by indicator flashes red and green to indicate the CHILD LOCK is set.
   - The front panel TV buttons (B4, B5, B8, B8) become inactive and the TV will only respond to the remote control.

2. Switch the WAKE UP function OFF or 'ON' (the time will be shown e.g. 07:15) with the remote control CURSOR LEFT (A12) /RIGHT (A12) buttons
   - Enter the wake up time with the remote control 0...9 NUMBER (A6) buttons.

3. Adjust TV turn-on program number
   D: Digital chanel
   A: Analog chanel
   To change digital <--> analogue, press D/A button.

4. Adjust TV clock. Clock will start at 0 seconds upon entry of the 4th figure.

5. Choose your preferred default format with the remote control CURSOR LEFT (A12) /RIGHT (A12) buttons.
   Note : For 4:3 TVs FULL SCREEN is represented by 4:3. For 16:9 TVs FULL SCREEN is represented by 16:9.

7. Occasionally, a newer version of software may become availiable. This function is for manual update.
   Press OK key to initiate download. If you want to stop the process, you can press MENU key. You must not turn off the TV while downloading is in progress, as errors could occur. This menu is only activated on digital mode.
   * For an automatic searching a new software, your TV checks transport stream of the DVB-T broadcast once a day when turning off the TV pressing power button (A1) on the remote control. The picture is off but power is supplied during searching. The TV will go to stand-by mode after finishing search. This progress takes a few minutes.
   If the TV find a newer version of software, a update message may be shown when you turn on your TV.
   Press OK key to initiate download.
   Press MENU key to ignore it.
   It you don't want the TV to search a new software when turning off the TV by remote control, keep pressing power button (A1) about 2~3 sec.

```
NEW SOFTWARE FOUND

PRESS OK TO UPDATE

OR MENU TO EXIT
```

Upgrade message when your TV find a newer version of software

```
⬙ SYSTEM SOFTWARE UPDATE IN PROGRESS

0%                                   100%

TOTAL UDPDATE TIME WILL BE APPROXIMATELY
10 MINUTES.
TO CANCEL THE UPDATE, PUSH THE RED BUTTON
ON THE REMOTE CONTROL.
```

Download processing if you select ok to update.

TELETEXT

ENTERING/LEAVING TELETEXT MODE

- Select the desired program with teletext.
  In the analog mode: TELETEXT
  In the digital mode: MHEG

- Press the remote control TELETEXT (▤) button (A21) to select teletext
  mode. The initial page (or the last page viewed if you have already used
  teletext in the present channel) appears.

- Teletext And Teletext (TAT) function (OPTION): if you want to watch two teletext pages on
  same screen, press the TELETEXT (▤)button (A21) again. When entering into TAT mode, the
  active teletext page is on the left hand part of the screen, at the base of the screen a menu
  coloured page links are available. The passive page, on the left hand part, is locked to the
  active page, usually to display the next page in the list.
  Using the remote control RIGHT (A12) / LEFT (A12) buttons, you can change the active page.
  For example, you can hold the index page (press HOLD button (A26)); on one side of the
  screen and change the active page to the other side for navigation.

- Picture And Teletext (PAT) function (OPTION) : If you want to watch the TV program
  and use teletext at the same time, press the TELETEXT button (A21)
  again. Teletext will be displayed on the right hand part of the screen, and
  the whole TV picture will be compressed into left hand part of the
  screen.

- To return to TV mode, press again the TELETEXT (▤) button (A21).

PAGE SELECTION

- You can directly enter the 3 figure page number by using the remote control NUMBER 0...9 buttons (A6).

- You can sequentially select teletext pages by pressing the remote control PAGE UP (A10 or A11) / DOWN (A10 or A11) buttons.

- At the base of the screen a menu of coloured page links is available, showing either page numbers or a title with headings (eg Sport, News)
  in RED, GREEN, YELLOW or CYAN colour. These pages can be accessed by using the corresponding coloured buttons (A20)
  on the remote control.

Once a request is made, the page number is shown in the extreme top left corner of the screen. If the requested page is not
immediately available the rolling header will be active until the page arrives.

USEFUL TELETEXT FUNCTIONS

INDEX (🗊) button (A27): Allows you to return directly to the initial teletext page.

PAGE HOLD button (🗊) (A26): Any teletext page or subpage can be held on the screen by pressing the PAGE HOLD button.
- The page number shown in the extreme top left corner instead of page number the HOLD icon is shown in green.
- Press the HOLD button again to cancel hold mode (the page number will return to white).

SUBPAGE (🗊) button (A25):

- Press the SUBPAGE button (A25). In the extreme top left corner, instead of the page number, "S. . . ." will be displayed. This is ready to accept the subpage number.
- Enter directly the subpage number you want with the remote control NUMBER 0..9 buttons (A6): for example to request the 2nd subpage, type 0002.
- After a few seconds the subpage number is replaced by the page number in the header. You can press again SUBPAGE button (A25), to display the subpage number.
- If the requested page is not immedietly available the rolling header will be active until the page arrives.

Warning: If the subpage is not available (does not exist), then the header will roll continuously and no new page will be found.

Note : Teletext specification allows for subpage numbers 0000 to 3979 (the first figure is limited to the range 0..3, and the third figure 0..7).

REVEAL (🗊) button (A22): Press this button to reveal, on certain pages, hidden information such as the answer to a quiz.
- Press the button again to hide the information.
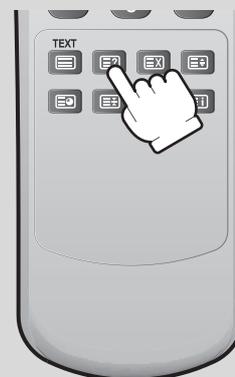
Doubling character height

Repeatedly pressing the HEIGHT (▦) button (A23) doubles the character height in the following order:
Upper half of the page (UP) > Lower half of the page (DOWN) > Return to normal height.
If the page is in UP or DOWN mode, then normal size is automatically set if :
- A new page request is made (e.g. CYAN, INDEX or PAGE UP/DOWN).
- CANCEL mode (A24) function is used.
- VOLUME menu is activated the with the MENU button (A9).

Note : The menu at the base of the screen is always visible

Volume and brightness control in teletext mode

VOLUME (and sound MUTE), BRIGHTNESS controls are all possible in teletext. The BRIGHTNESS control are dedicated to the teletext display.
- Access the VOLUME control by pressing the MENU button (A9) in teletext mode. A barograph will appear in the lower part of the screen (as in TV mode). If MUTE is active a mute icon is also shown.
- A second press on the MENU button (A9) will access the BRIGHTNESS control.
- The active bargraph will timeout after 3-4 seconds (as in TV mode VOLUME control) or by pressing on the MENU button (A9) a third time after brightness control
- Each control can be adjusted by using the remote control CURSOR RIGHT (A12) / LEFT (A12) buttons.
- Mute can always be activated by pressing the SOUND MUTE button (A2).
- Any change to the VOLUME level will cancel the SOUND MUTE.
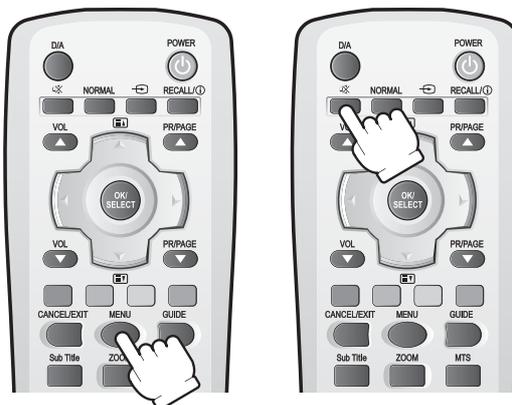
WATCHING TV WHILE PAGE SEARCHING

The CANCEL function can be used to make the teletext page transparent, thus revealing the TV picture:
- To enter cancel mode, press the CANCEL (▧) button (A24) while in teletext mode. The TV program will reappear on the screen, while only the teletext page number or the cancel icon remains at the top and left corner of the screen.
- You can enter a new page number in this mode only by using the remote control NUMBER 0...9 buttons (A6), or with the INDEX (▤) button (A27).
- If a page has been requested, but has not yet arrived, cancel icon will be displayed until the page arrives. Once arrived the page number will be displayed.
- The teletext page can be made visible again by pressing the CANCEL (▧) button (A24).
- It should be noted that the TV program cannot be changed while in cancel mode.
- The CANCEL function is not available in PAT and TAT mode.

WATCHING TV WITH TELETEXT SUBTITLES

If the actual teletext page is a news flash or subtitle page, then most of the TV picture becomes visible. In this situation the ZOOM format chosen in TV mode is reactivated, where possible.

This is particularly useful while watching a program with the teletext subtitles. Only formats which do not allow the full height of the TV picture to be seen are not possible in teletext mode, as these would not allow all teletext lines to be displayed.
Therefore only the formats ZOOM 14:9 AND ZOOM 16:9 (available with wide screen TV models) cannot be preserved with teletext subtitles.
In this situation the default format FULL SCREEN (equal to 16:9) will be used.

DVB MENU

Press the Menu button to display the main menu. then,
select DVB MENU. You may see the DVB MENU OSD.
Whenever you need more information during
any DVB MENU directory, press info button (A5)
then you will see more detailed information
on the screen. And In some menus, you can use
blue, yellow, red, green button.
Those buttons' function depend on which menu it is.
* *This menu is activated only on digital mode*.

DVB MENU
Channel list
Favourites
Guides
Timers
Settings
Common Interface

MENU   Exit
SELECT   Select

About the information on the banner.

When you select a digital program, an information banner is displayed for a few
seconds at the bottom of the screen.

preset number   Channel name   symbols   clock

1   BBC ONE   I / II   TV   ①   08:50

Signal:

NOW: Breakfast   06:00 - 09:45
Next: Beat the Burglar   09:15 - 10:00

now/next program title   signal level   program start
                                                                      and end time
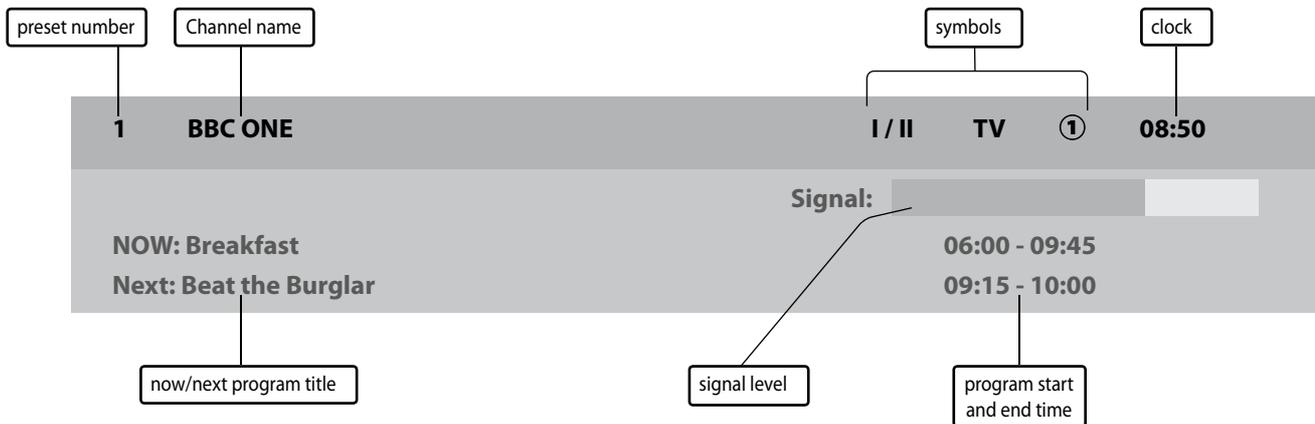
Symbols description

I / II   Other audio languages are availables and can be selected in Configuration (see page no.21)
① (~⑤) The selected Favourite list number is displayed here.

17

CHANNEL LIST

Channel List

1. BBC ONE
2. BBC TWO
3. ITV 1
4. Channel 4
5. five
6. ...

| SELECT | DELETE | EDIT NAME | LOCK | FAVOURITES |

◄ ► **Function**   ▲ ▼ **Select Channel**   **Select** Watch   **i** More
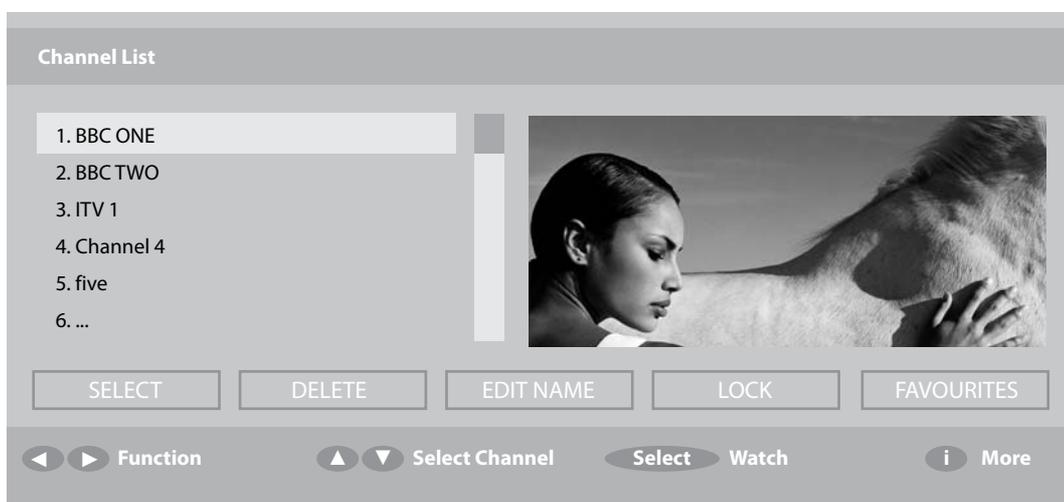
- **Select** and **Delete** function is to choose or delete the channel.

- Select **Edit Name** function to change the channel name as you want.
  Press **UP / DOWN** key to change characters.

- If you want to lock some channels for several reasons, select Lock function
  and enter the password. you should remember the password.
  If you forget, please do auto search again to make password back to default "0000".
  How to change default password, see page 21.

- **Favourites** function is the same as **Favourites** on **DVB MENU**.
  So you can also setup this function on **Channel List** or the **DVB MENU.**

FAVOURITES

Edit Favourite Lists

1. BBC ONE	(1)	(2)
2. BBC TWO	(1)	
3. ITV 1		(2)
4. Channel 4	(1)	
5. five		(2)
6. ...		

LIST 1	LIST 2	LIST 3	LIST 4	LIST 5

◄ ► Select List   ▲ ▼ Select Channel   Select Add/Remove   i More

- This menu allows you to make your favourite channel list. You can make 5 favourite lists.
- Move highlight on any list (1~5). Then press **Select** key to make your own list.
  When you press **Select** key, the mark (①②③④⑤) will show up on the channel name's left side.
  For example, If there is ③ mark on ITV 2, that means ITV 2 is selected as your **favourite list 3**. You can make favour-
  ist lists up to 5.
- After finishing, to use this function, go to **Configuration (DVB MENU -> SETTING -> Configuration)** and setup
  Favourite mode on/off. (see page 19).
  Or it can also be set up by pressing LIST (A28) key.

GUIDES

Guides

Now / Next EPG

List Schedule EPG

MENU   Exit
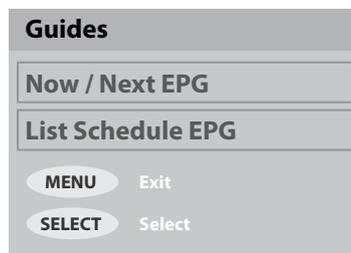
SELECT   Select

Select each sub-menus.

Now / Next EGP

- You can check now / next program
  here. Move **highlight** up/down and
  get information.

- **Yellow/cyan** button is for changing
  the schedule.

- Press Info key (A5) to see detailed
  information of each program

Electronic Programme Guide   **Wed 10/11 10:00**

Channels	Current Event	Next Event
23. bid - up.tv	Bid for a Bargain live	Bid for a Bargain live
25. TCM	Closedown	Little Off Set
26. UK Style	Closedown	Extreme Makeover: Hom...
27. Discovery	Extreme Engineering	Escape from Death Row
28. DiscoveryH&L	Programmes resume at...	The Allotment
30. ITV4	No information	No information
32. Cartoon Nwk	The Live & Times of Junip...	Xiaolin Showdown
33. Boomerang	Closedown	Inspector Gadget
37. Quiz Call	United Windom	Money Mayhem
55. Ttext Holidays	No information	No information
60. Television X	..programmes start at 11...	..programmes start at 11...

◄ ► ▼ ▲ Navigate   Schedule   Select Watch   i Event

List Schedule EPG

- You can check program schedule here. Navigate channel by pressing **up/down/right/left** button.

- Press **Yellow/cyan** buttons to change date. **Red/green** buttons are for changing the time.

- Press Info key (A5) to see detailed information of each program

Electronic Programme Guide	Wed 10/11 8:00

BBC ONE	Wed 10/11 8:00-10:00
1. BBC ONE	8:00 CAR BOOTY
2. BBC TWO	8:30 BARGAIN HUNT
3. ITV 1	8:00 THE BILL
4. CHANNEL 4	9:00 QUEEN ELIZABETH
5. FIVE	9:30 NEWS ON FIVE
6. ITV2	
8. 8	
10. ITV3	
13. More 4	

◄ ► ▼ ▲ **Navigate** ⬤⬤ **Change Time** ⬤⬤ **Advance Day** ⓘ **Event**

TIMERS

Programme Timers				Wed 10/11 8:45

No.	Channel Name	Start	End	Date	Mode
1	BBC ONE	20:20	22:00	18/11/2005	Active
2					

◄ ► **Mode**   **Menu** **Exit**   **Select** **Edit Timer**   ⓘ **More**
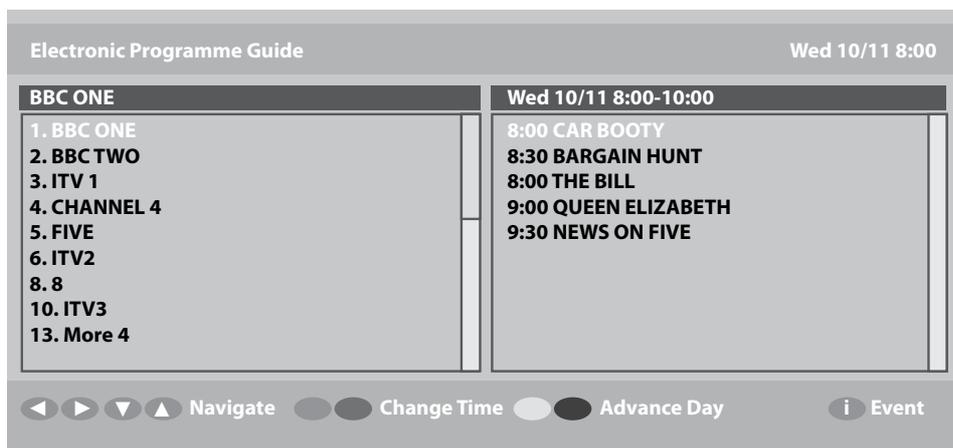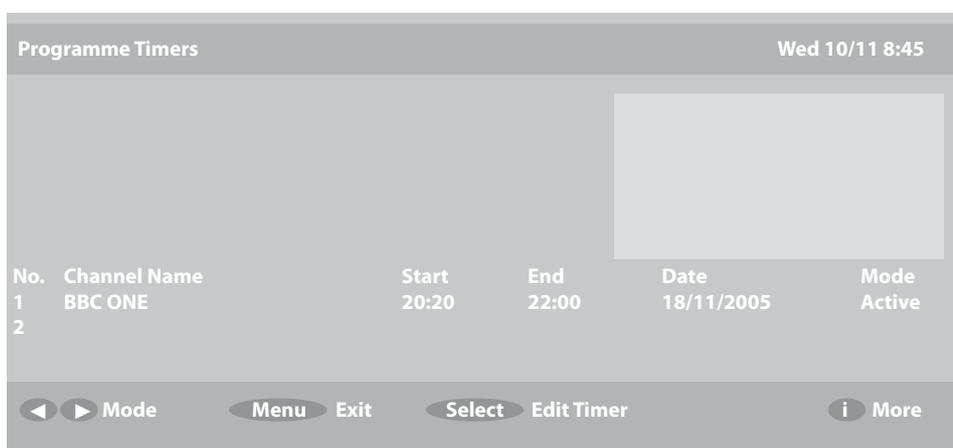
- If you want to watch a special program on time without having to use the remote everyday, please setup **Timers**
- At first, press select key. You will see time setup **OSD.** (See the right)
- You can change channel at **Name.**
- Setting start/end time as you want at **Start / End**
- Select **Mode (Once, Daily, Weekly)**
- If a channel is set to change to LOCKed channel, password OSD will be displayed before channel changing.
- To change password, go to SETTING > Configuration > Parental settings (see page 21)

name :	1. BBC ONE
start :	20:20
end :	22:00
date :	18/07/2005
mode :	weekly

SETTINGS

Setting

Configuration

Installation

MENU   Exit
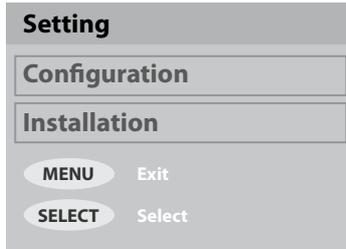
SELECT   Select

Select each sub-menu

Configuration
This has 4 sub-menus.

- **Subtitle** on/off
  (also can control this with remote
  control SUB TITLE button (A18))

- Change **Banner** time
  -> off - 1 sec - 2sec - 4sec - 8sec

- You can choose your favourite list (see
  page 19) on **Favourite Mode**. If it is
  selected as off, all channel are shown.

- **Change Channels List**
  -> Show all - TV only - RADIO only
  - TEXT only

- **Parental Setting** enables you

Configuration

Subtitle	Off ▶
Banner	4 sec
Favourite Mode	Off
Channel List	Show all
Parental Settings	

◀ ▶ Subtitle ON/OFF   i More

to make individual services. **DVB MENU** and Installation are protected by password. The default password for **parental setting** is „0000".
To change default password, select "Parental Settings" using up/down buttons, and press OK/SELECT. Using number buttons enter
default password "0000". Now select "Set Lock Key" and confirm with OK/SELECT button. Using number buttons enter new password in to
"Lock Key" field and re-enter in "Confirm" field.

※ If you have forgot your personal password, you can reset to the default password "0000" by pressing the key sequence:
    RED - GREEN - YELLOW - CYAN.

Installation

- **Automatic Search** is the function to scan each channel for services. If
  you cancel Automatic Search before it is completed, the previous list of
  services is used, if already stored.

Do you want to start automatic search?
Your previous channel list will be replaced.

Yes   No
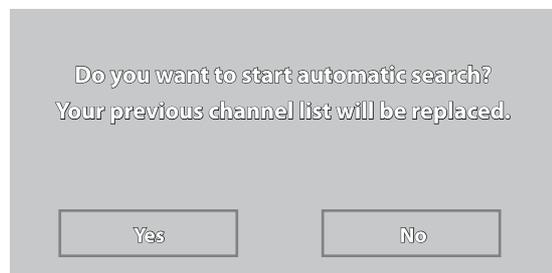
- **Manual Search** is the function to scan
  for an individual channel.
  Enter the **Channel number** to be
  scanned.

- Signal Quality consists of 5 levels **->
  none - poor - medium - good - very
  good**

Manual Search

Channel Number   44

Signal Quality: Very Good
Signal Level:

0 .. 9 Select Channel   Select Search   Menu Exit   i More

21

COMMON INTERFACE

Common Interface
Top up TV

$\Rightarrow$

CI Menu
Module Information
Smart Card Information
Language
Software Download
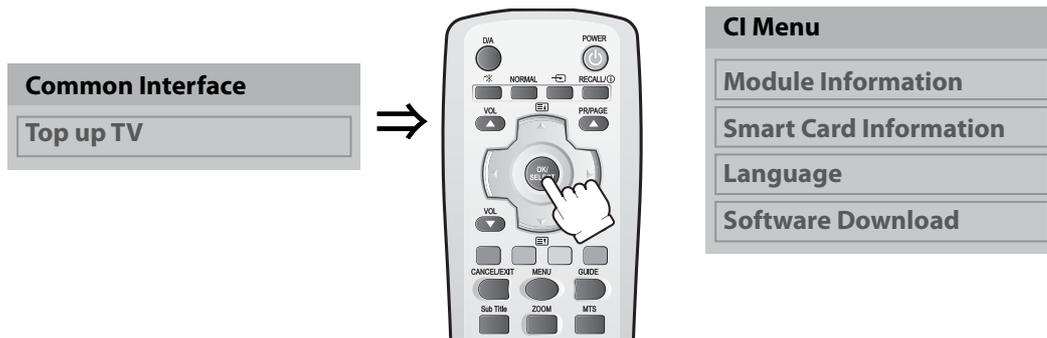
- This allows you to upgrade your TV set with additional features including access to extra channels (if available) using a conditional access module (eg. TopUp TV).

- If there is **no CI Card** in the slot, **„No common interface module detected"** appears on the screen.

- When you **insert CI Card, „Common interface module inserted"** appears on the screen.

Then, you can watch **pay channel**.

- If you **remove CI Card** from the slot, **„Common interface module removed"** appears on the screen, and you can't watch **pay channel** any more until you insert CI card again.

Note : A common interface is available to connect a CAM(conditional access module) and a smartcard. Please contact your service provider to get more information about these modules.

SYMPTOMS		CHECKS
PICTURE	**SOUND**	
Snowy Picture	Noisy Sound	Aerial Location, Direction or Connection
Multiple Images	Normal Sound — OK	Aerial Location, Direction or Connection
Interference	Noisy Sound	Electrical appliances. Cars/Motorcycles. Fluorescent lights.
Normal Picture	No Sound — ?	Volume level. Sound mute switched on.
No Picture	No Sound — ?	TV set to AV mode. Not plugged into A.C. outlet. Not switched on. Picture/Sound controls set at minimum levels. Check if in standby mode.
No Colour	Normal Sound — OK	Colour controls set at minimum levels.
Poor or Distorted Picture	Weak or No Sound — ?	Retune Channel(s).
Coloured Patches	Normal Sound — OK	Magnetic interference from unshielded equipment. Receiver moved while Switched ON, switch TV off for 30 minutes.
Normal Picture	Weak or Distorted Sound	Sound reception may have deteriorated. Switching NICAM setting to off until reception improves.
Can't record Digital signal with Video or DVD recoder.		This model has 2 scart sockets, but you can record Digital signal only from scart 2 socket. (RF Digital signal is from scart 2 socket)

DVB TROUBLESHOOTING

Some Problems will only occur when viewing DVB channels.
Due to the different techniques involved in digital reception, DVB signal quality can be poor even if you appear to have a strong signal when viewing analogue programmes.

The DVB system requires a good quality signal to provide the best picture. When viewing analogue pictures, interference such as signal reflection from nearby buildings or mountains causes 'ghosting', but still provides a viewable picture. For the DVB system, Interference such as this can disrupt the flow of data causing the picture to appear to be made up of large blocks, or to freeze intermittently. If the picture disappears completely, this could mean that signal quality is very poor. If this happens often, you may need to improve your aerial system to provide a better signal. This TV contains a complex micro-processor which enables you to view enhanced digital services. Occasionally this device may need to be reset. This can be done by pressing the stand-by button on your remote control or the power switch on the front panel...

SYMPTOM	CHECKS
No DVB channels listed in the TV Guide after Auto Setup. Electronic Programme Guide — Wed 10/11 10:00 Channels / Current Event / Next Event ◄ ► ▲ ▼ Navigate ⬤⬤ Schedule Select Watch (i) Event	Check that DVB transmissions are available from the transmitter you are currently using. If not, try directing the aerial at another local transmitter. Check analogue transmissions. If picture quality is poor, you will need to improve or change your aerial system to receive DVB channels. Consult a local installer.
Blocky interference. Picture freezes intermittently. 1 BBC ONE I / II TV 08:50 Signal: NOW: Breakfast 06:00 - 09:45 Next: Beat the Burglar 09:15 - 10:00	Blocky interference indicates that the signal quality is poor. You should consider improving your aerial system. To check the quality of your signal, press INFO key and check signal level on the banner.
No picture in digital mode but ok in analogue mode. no picture in digital mode picture in analogue mode	If no picture only in digital mode, please do AUTO SEARCH again.
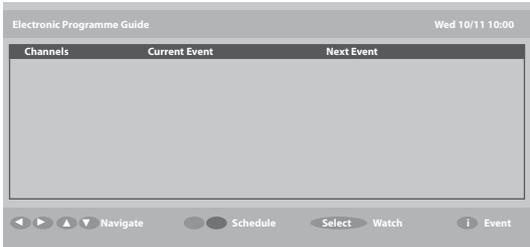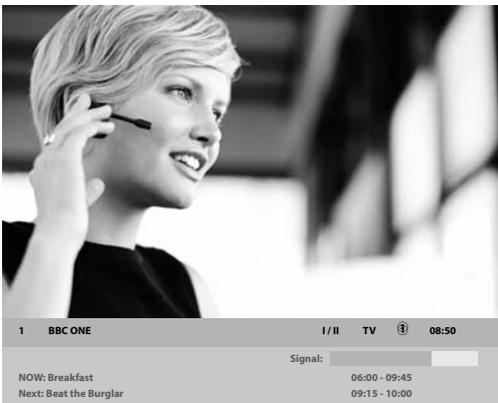
SPECIFICATIONS

		DUB-2850GB, DUB-2842GB
Power source		AC 220 / 240V, 50Hz
Power comsumption		95W
Picture tube		66cm
Audio output		7W(L) +7W(R) RMS, 8Ω
Dimensions (mm)	H	840
	W	522
	D	505
Weight (kg)		39
Reception channel	VHF	Band I : CH2 ~ CH4 Band II : CH5 ~ CH12 Cable band : S1' ~ S3' , S1 ~ S20 Hyper band : S21 ~ S41
	UHF	Band IV, V : CH21 ~ CH69
Aerial (rear)		VHF / UHF
Scart jack (rear)		AV1: 21 pin Euro jack (audio in/out, video in, RGB in, TV out) AV2/SVHS2: 21 pin Euro jack (audio in/out, video in, YC in, monitor out)
RCA jack (side)		AV3/SVHS3: (audio in/out, video in, S-video in)
RCA jack (rear)		SPDIF audio out, audio L/R out
CI slot (rear)		PCMCIA card

Specifications are subject to change without notice. Weight and dimensions shown are approximate.