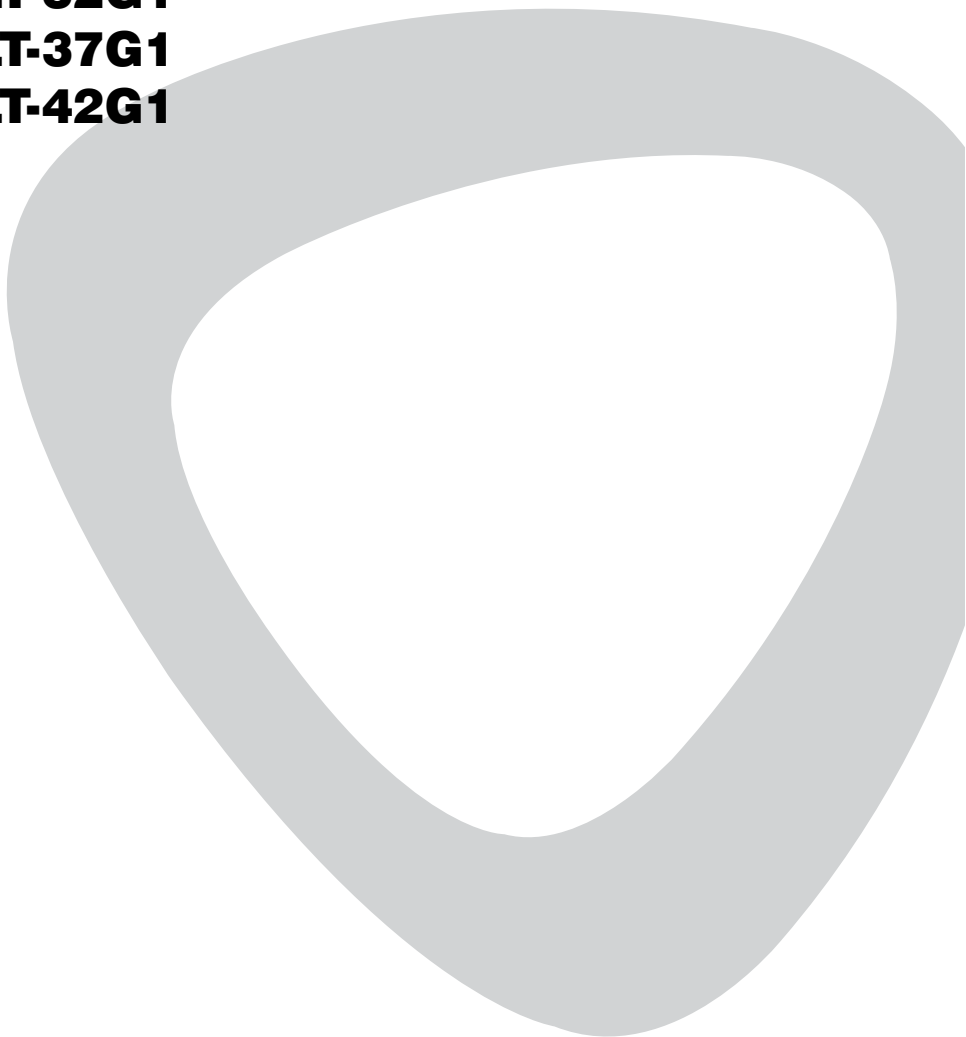


LCD TELEVISION INSTRUCTION MANUAL

DLT-32G1

DLT-37G1

DLT-42G1



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 the risk of an 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.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

DISPOSAL OF USED ELECTRICAL & ELECTRONIC EQUIPMENT

(Europe only)



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 waste to the environment and to human health, products could otherwise be caused by unsuitable waste handling of this products. 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.



RoHS (Directive 2002/95/EC) Compliant

This environment-friendly product does not contain the EU RoHS restricted substances (Pb, Hg, Cd, Cr6+, PBB, and PBDE).

Important Safeguards

Please read the following safeguards for your TV and retain for future reference.

Always follow all warnings and instructions marked on the television.

1. Read, Retain and Follow All Instructions

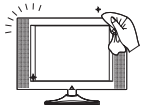
Read all safety and operating instructions before operating the TV. Retain them safely for future reference. Follow all operations and instructions accordingly.

2. Heed Warnings

Adhere to all warnings on the appliance and in the operating instructions.

3. Cleaning

Unplug the TV from the wall outlet before cleaning. Do not use liquid, abrasive, or aerosol cleaners. Cleaners can permanently damage the cabinet and screen. Use a lightly dampened cloth for cleaning.



4. Attachments and Equipment

Never add any attachment and/or equipment without approval of the manufacturer as such additions may result in the risk of fire, electric shock or other personal injury.

5. Water and Moisture

The apparatus must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed very close to the apparatus. Because they may be splashed when watering the plant.



6. Setting

Do not place this TV on an unstable cart, stand or table. Placing the TV on an unstable base can cause the TV to fall, resulting in serious personal injuries as well as damage to the TV. Use only a cart, stand, bracket or table recommended by the manufacturer or salesperson.



7. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the TV and to protect it from overheating. Do not cover the ventilation openings in the cabinet and never place the set in a confined space such as a built-in cabinet unless proper ventilation is provided. Leave a minimum 10 cm gap all around the unit.

8. Power Source

This TV should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.

9. Grounding or Polarization

This TV is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. This is because apparatus with CLASS I construction must be connected to a MAINS socket outlet with a protective earthing connection.

10. Power-Lead Protection

Power-supply leads should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to leads at plugs, wall outlets, and the point where they exit from the TV. MAINS plug which is used as the disconnect device. The disconnect device shall remain readily operable.

11. Lightning

For added protection for this TV during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the TV due to lightning and power-line surges.

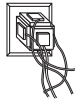
Important Safeguards

12. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken from touching such power lines or circuits as contact with them might be fatal.

13. Overloading

Do not overload wall outlets and extension leads as this can result in a risk of fire or electric shock.

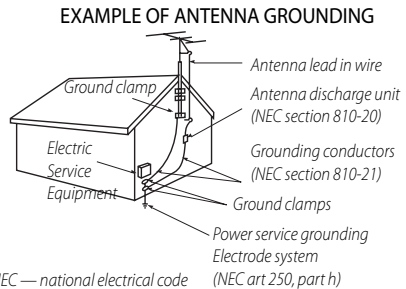


14. Object and Liquid Entry

Never push objects of any kind into this TV through openings as they may touch dangerous voltage points or short-out parts that could result in fire or electric shock. Never spill liquid of any kind on or into the TV.

15. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the TV, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electric Code, ANSI /NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



16. Servicing

Do not attempt to service this TV yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

17. Damage Requiring Service

Unplug the TV from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power-supply lead or plug is damaged.
- If liquid has been spilled, or objects have fallen into the TV.
- If the TV has been exposed to rain or water.
- If the TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV to its normal operation.
- If the TV has been dropped or the cabinet has been damaged.
- When the TV exhibits a distinct change in performance - this indicates a need for service.

18. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

19. Safety Check

Upon completion of any service or repair to the TV, ask the service technician to perform safety checks to determine that the TV is in a safe operational condition.

20. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



21. Disconnection

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

Warning

This section must be read carefully and followed by the user prior to the operation of the product.
The manual states important instructions for the user's own safety, and the proper operation of the product.



WARNING

Ignoring or disregarding the contents of this section and improper operation of the product may result in the person's death or serious injury.

In case of an accident, please unplug the unit from the outlet immediately.

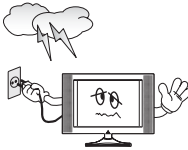
To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer to qualified service personnel for repair.



Do not put any object that contains water - for example a vase, flower pot, etc. - near to the unit. The water may penetrate into the unit, and be a cause of fire or hazardous electric shock.



To prevent fire and damages to the product, unplug the unit from the outlet during a lightning storm, or when it is left unattended and unused for a long period of time



Do not put on or use the product near water and moisture - such as in a bathroom, wash-bowl, etc. It may cause fire and electric shock hazards



Slots and openings in the case are provided for ventilation to ensure reliable operation of the product. Never put in any items - such as coins, paper, matches - through these openings as they may touch dangerous voltage points that could result in fire or shock hazard.



Do not let children hang on to or climb on the product since it may cause serious injury.



Hold the plug when unplugging the unit from the outlet. The lead may cause fire or electric shock if damaged.



Do not cause the product to lean or put it in an unstable position because if it falls it may cause serious injury to a person, as well as damage to the product if it falls.



Do not put volatile substances such as benzene, naphtha - near the product since it may cause a change in the product's colour.



Do not spill water or drop the remote control since it may cause a malfunction.



Warning

This section must be read carefully and followed by the user prior to the operation of the product. The manual states important instructions for the user's own safety, and the proper operation of the product.



CAUTION

Ignoring or disregarding the contents of this section and improper operation of the product may result in the person's death or serious injury.

Please keep the user's manual in a safe place for future reference.

Do not view the TV too closely since it may cause damage to your eyes.



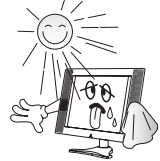
Refer servicing to qualified service personnel for cleaning at least once a year since dust inside the TV set may result in a fire or malfunction of the product.



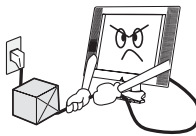
Do not cover the top of the television set. Ventilation will be prevented, and it may cause a fire if the product is internally overheated.



The product should be situated away from any heat source such as radiators, heat registers, stoves, or other products that produce heat.



Do not put heavy items on the power lead since it may result in a fire or hazardous electric shock if the lead is damaged.



Please be aware of electric wires and cables when installing the antenna. It may be a cause of hazardous electric shock and fire if the antenna touches or falls on the electric wire; thus, it must be installed firmly, and far away from the cables.



Unplug the power from the outlet and all the related connections from the unit to prevent an electric shock. At least two people must work together to move the TV set when transporting to prevent the TV from falling and consequently, any serious injury or damage.



Do not touch the power lead with moisturised or wet hands when plugging to or unplugging from the outlets since it may cause an electric shock.



Do not expose the product to a dusty or moisturised place since it may cause malfunction.



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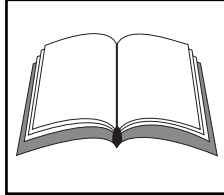
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Supplied Accessories

Make sure that the following accessories are provided with the product.



AC lead



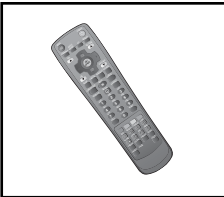
Instruction manual



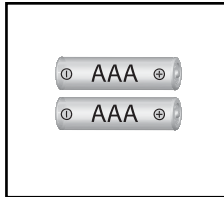
Cover Bottom

(except DLT-42G1 model)

- When you install on a wall mounting you can fit cover bottom as shown in upper picture.



Remote control



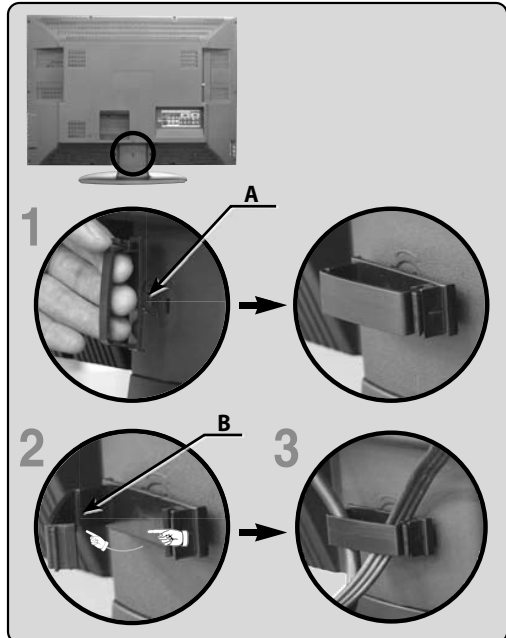
Batteries



Cable holder

The method of wire arrangement

1. Assemble the cable holder enclosed on the back of TV.
(PICTURE 1)
(ASSEMBLY METHOD: After you push the (peg part of cable holder), „A” in the hole, rotate the cable holder clockwise at an angle of 90°. You can separate in reverse order of assembly.)
2. Open the cable holder. (PICTURE 2)
(you can open the cable holder by pressing and pushing „B” part.)
3. After arranging the leads with the cable holder, lock „B” again. (PICTURE 3)



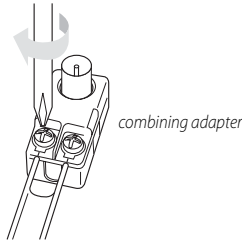
Antenna Connection

Indoor Antenna Connection Not recommended unless very close to the transmitter

Not recommended unless very close to the transmitter.

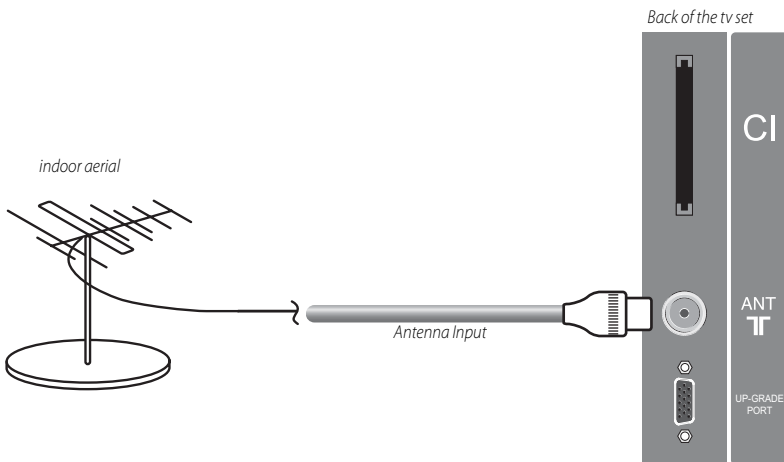
1. Connect the feeder cable of the antenna to the combining adapter.

WHEN THE IMAGE IS NOT CLEAR : Unclear screen image and bad reception may be a cause of a wrong antenna connection. Be sure to check its direction and site when installing.



2. Connect the combining adapter to the antenna input at the left side of the TV set.

WHEN USING THE COMBINING ADAPTOR : You may obtain the combining adaptor at your nearest Service Centre.



Antenna Connection

CTV Antenna Connection

Such community TV Antenna installation may be found in most of communal apartments.

When a coaxial cable is used : Plug the coaxial cable to the antenna socket, and fix it firmly by turning it to the right.

Antenna socket on the wall



Antenna socket at the left side of the TV set



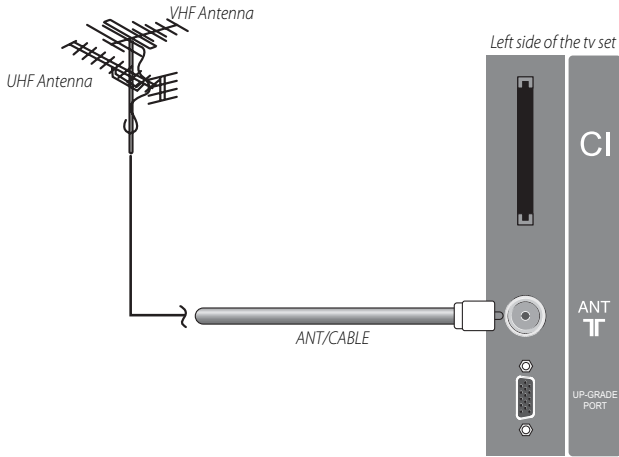
ANT/CABLE

Antenna Connection

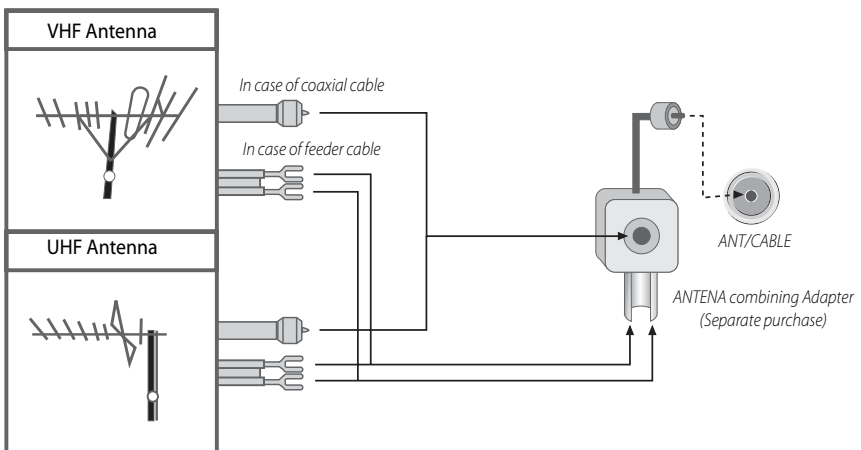
Outdoor Antenna Connection

An outdoor Antenna connection-such as VHF and/or UHF-may be necessary for installation in private houses.

Single Antenna Connection



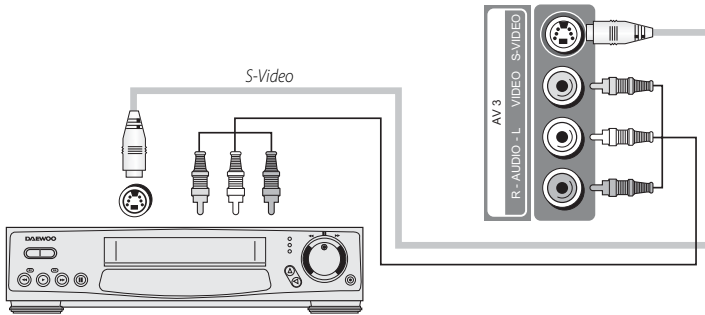
Separate Antenna Connection.



Video Connection

Connecting with an External Source

You may connect an S-Video input to enjoy clearer and brighter picture images. You can make the connection with the AV3 input.

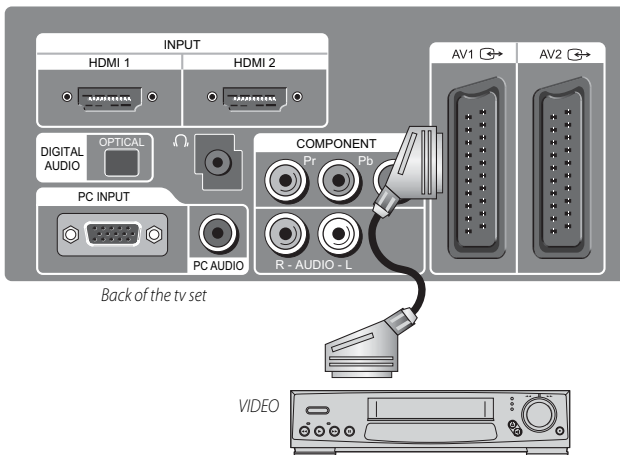


Note : If S-video and the RCA phono jacks are connected at the same time, the TV set will only detect the S-Video mode.

- If your AV device has both Video OUT terminal and S-Video OUT terminal, the S-Video connection is recommended for better picture quality.

Connecting with SCART VIDEO

1. Prepare the scart lead for picture / sound.
2. Connect the SCART input / output terminal of your video with the SCART1(AV1), SCART2(AV2), input/output terminal of the TV.
3. Turn on the video, insert the video cassette, and press the "PLAY" button.





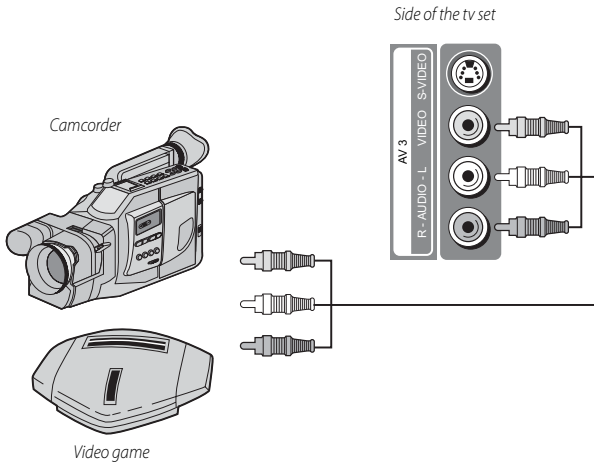
Note :

- SCART1 has CVBS/RGB input and CVBS output. It is used to connect a STB, VCR or DVD.
- SCART2 has CVBS input. It is used to connect a STB, VCR or DVD.

Camcorder & Video Game Connection

Watching a Camcorder Recording on TV or playing a Video Game

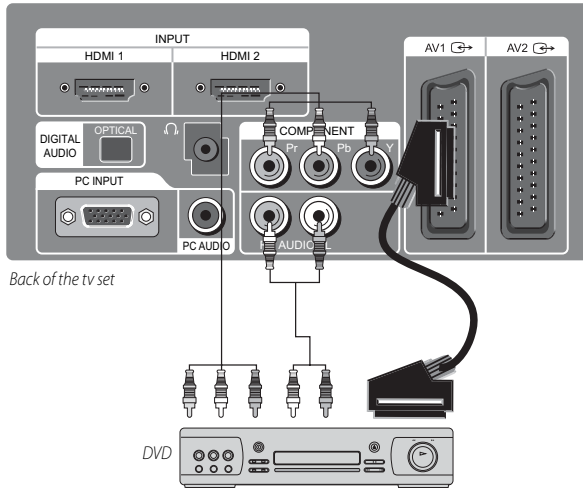
1. Prepare the S-video and RCA connector.
2. These connectors connect to S-video or AV 3 as shown in the picture below.
3. Turn on the TV set and camcorder/video game.
4. Select AV3/S-video mode, using the "AV" button of the Remote controller or " / 



Note : If the S-video and RCA jack are connected at the same time, the TV set only detects the S-Video mode.
* If your AV device has both Video OUT terminal and S-Video OUT terminal, the S-Video connection is recommended for better picture quality.

DVD Player connection

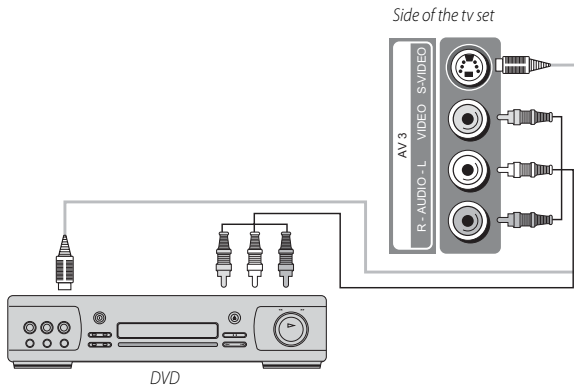
When connecting with a component cable or Euro SCART cable



Note :

- You can use a scart cable but some DVD's have a component output for a better picture.
- When you connect with a component video, output from your DVD player to the TV please check that the colour of the cables between the DVD and TV set. Matches the sockets on both appliance.

When connecting with a S-VIDEO cable and RCA cable

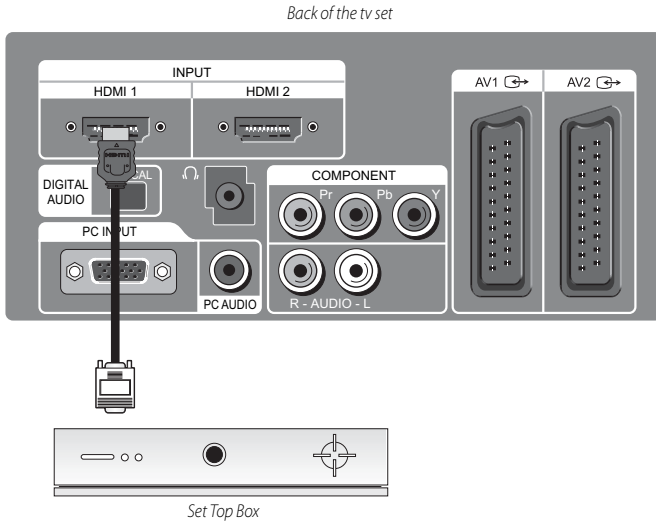


Note : If S-video and RCA jack are connected at the same time, the TV set will only detect the S-Video mode.

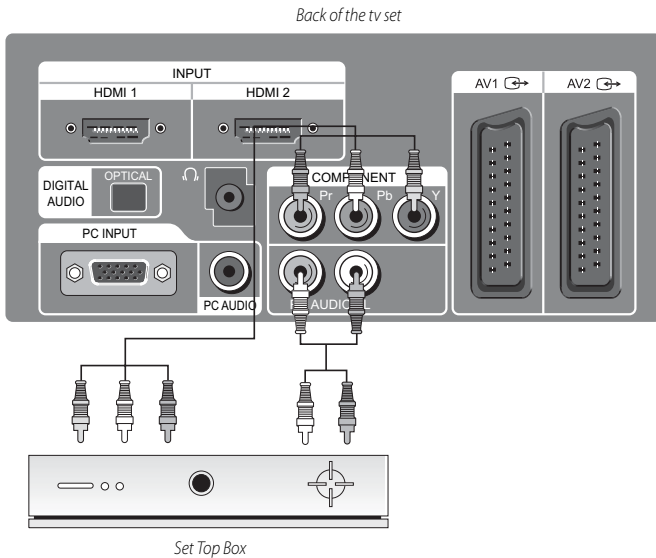
- If your AV device has both Video OUT terminal and S-Video OUT terminal, the S-Video connection is recommended for better picture quality.

STB(Set Top Box) Connection

When connecting with a HDMI cable



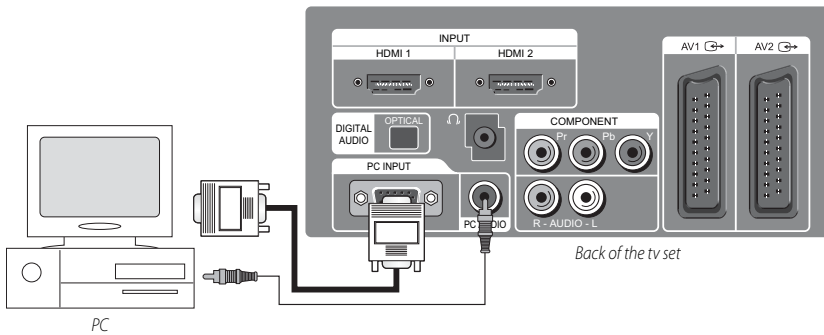
When connecting with a component cable



PC Connection

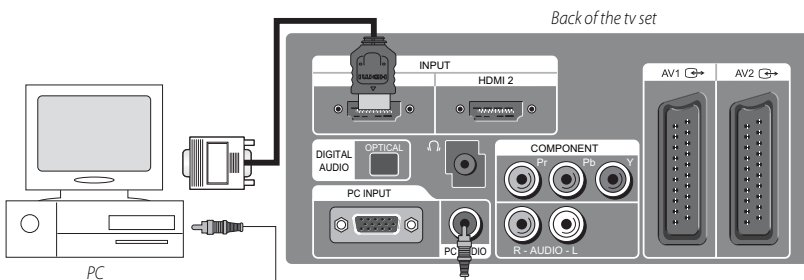
When connecting with PC(D-Sub) cable.

1. First adjust resolution of the PC. (Refer to table in page 17.)
2. Then disconnect your monitor from your PC and connect between PC and TV set using the D-sub and Audio cable as shown in the picture below.
3. Turn on the PC and TV set.
4. Select PC mode by pressing the "MULTIMEDIA" button on the remote control or " \square / \rightarrow " button of the TV set.



When connecting with a HDMI cable.

1. First adjust resolution of the PC. (Refer to table in page 17.)
2. Then disconnect your monitor from your PC and connect between PC and TV set using the HDMI and Audio cable as shown in the picture below, if necessary. See note below.
3. Turn on the PC and TV set.
4. Select HDMI mode by pressing the "MULTIMEDIA" button on the remote control or " \square / \rightarrow " button of the TV set.



Note : If the graphic card of the PC only supports a DVI signal, you must connect the Audio cable as shown in the picture above.

PC Connection

PC CONNECTION NOTES:

- 1) The resolution of the TV set is best at 1360(6) x 768(WXGA).
- 2) If there is a [Vertical Frequency] setting menu in the [Display] Menu of the PC, adjust the frequency to 60Hz.
- 3) If the PC resolution is too high, it may be hard to detect signals. Select a suitable resolution.
- 4) HDMI input port receives only digital Signal.
- 5) Depending on the graphic card when you plug & unplug the HDMI connection the screen may not display correctly. Restart the computer if this happens.
- 6) Depending on graphic card, problems like no signal detected or line noises can occur. If these problems do occur contact the graphic card company for help.

Multi input resolution available in LCD TV.

Resolution	V-freq	HDMI	PC(D-Sub)	Component	Standard
640 X 480	60Hz	o	o	x	
	72Hz	o	o	x	
	75Hz	o	o	x	VESA Standard
800 X 600	60Hz	o	o	x	VESA Standard
	72Hz	o	o	x	VESA Standard
	75Hz	o	o	x	
1024 X 768	60Hz	o	o	x	VESA Standard
	70Hz	o	o	x	VESA Standard
	75Hz	o	o	x	VESA Standard
1360(6) x 768	60Hz	o	o	x	
	75Hz	o	o	x	
720 X 480	60Hz	o	x	o	
720 X 576	50Hz	o	x	o	
1280 X 720	50Hz	o	o	o	
	60Hz	o	o	o	
1920 X 1080i	50Hz	o	x	o	
	60Hz	o	x	o	
720 X 480i	60Hz	x	x	o	
720 X 576i	50Hz	x	x	o	

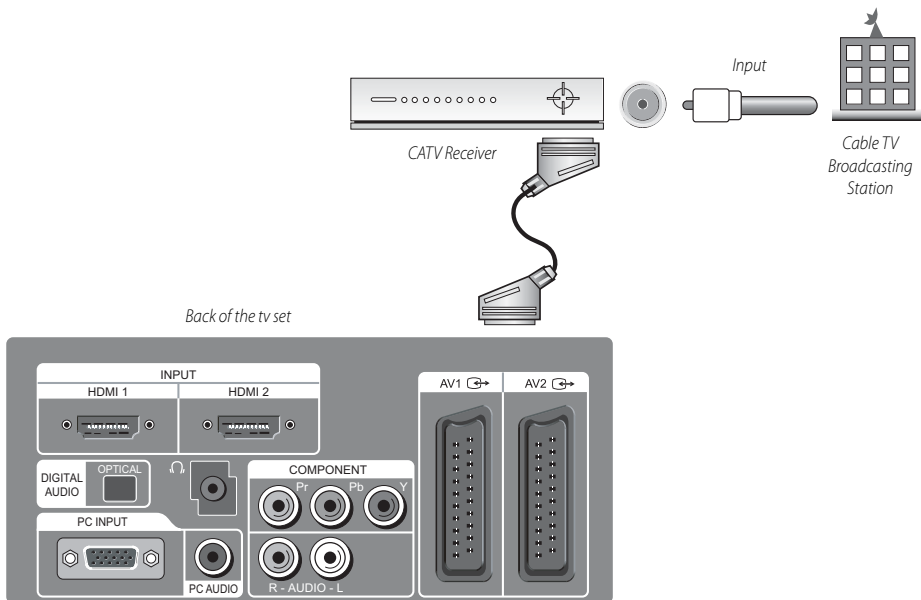
Note :

- When you connect with component, D-Sub, and HDMI, you must check the input resolution of external devices.
- 1280 X 720 mode is commonly used for Component.
- So if this mode is used at PC mode, the screen can be enlarged.

Cable TV Broadcasting Connection

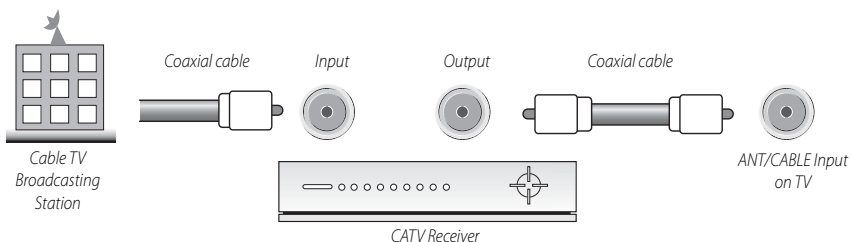
External Input Connection Source

Watching cable television is only possible after you have subscribed to the local broadcasting company and installed a cable receiver. You may make the connection to either the Component input or SCART input AV1 or AV2.



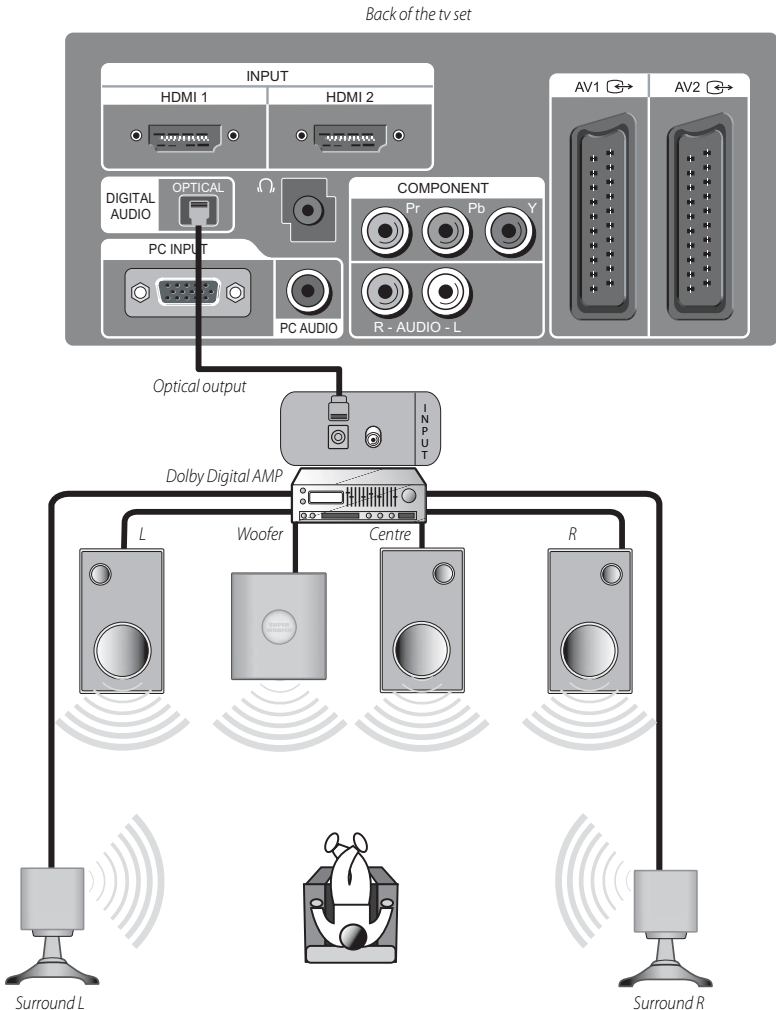
Antenna Input Connection

Watching cable television is only possible after you have subscribed to the local broadcasting company and installed a cable receiver.



Connect with the Dolby Digital AMP.

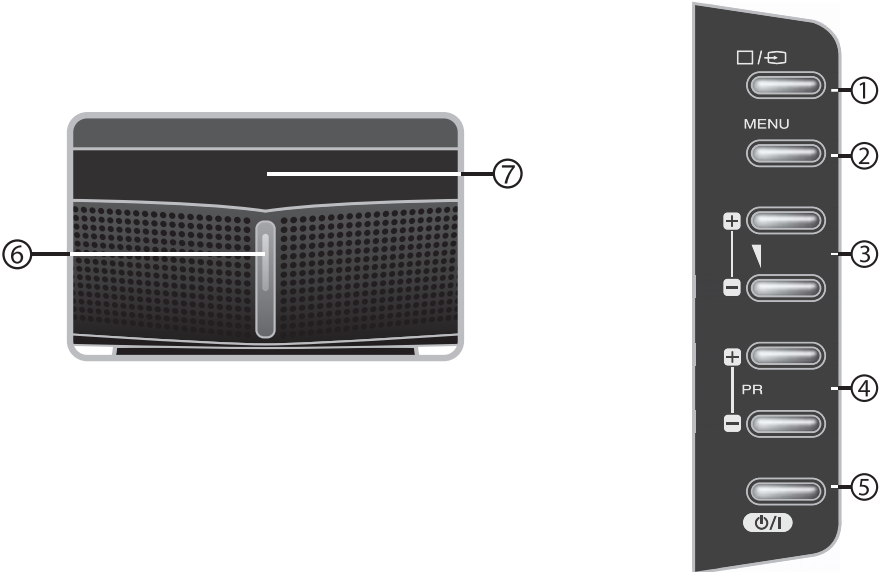
If you connect the optical output to a Dolby digital AMP, you can listen to better quality sound.
(Only DVB-T Mode)



Name of Each Part

Front / Side Panel

The buttons on the TV set have the same functions as those of the remote control.

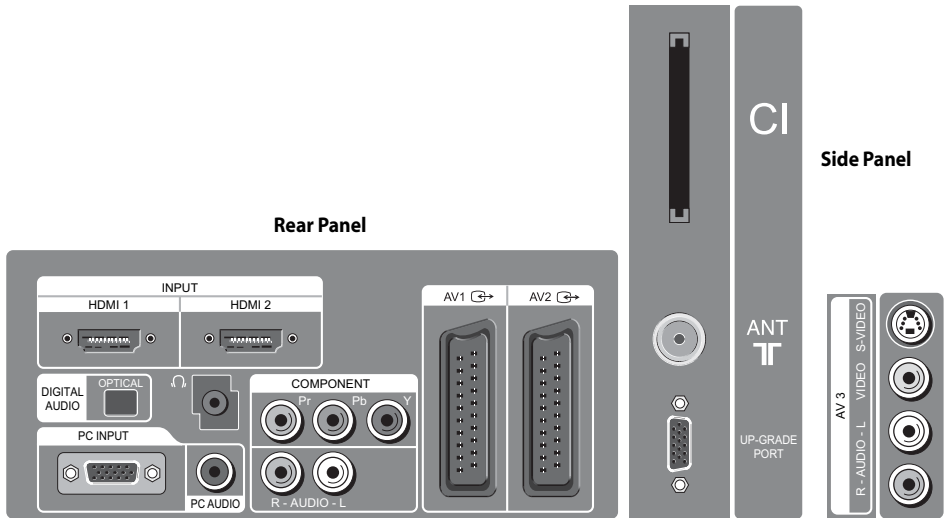


Control Key Buttons.

- ① **TV/VIDEO Button** : Each time you press this button, the TV will cycle through: TV / AV1 / AV2 / AV3(S-Video) / COMP / PC / HDMI1 / HDMI2.
- ② **MENU Button** : Use this button to enter and exit the MENU.
- ③ **▲ VOL ▼ Buttons** : Use these buttons to change your TV's volume or to move the cursor in the menu.
- ④ **▲ PR ▼ Buttons** : Use these buttons to change channels on your TV or to move the cursor in the menu.
- ⑤ **POWER ON button** : Use this button to change from TV STANDBY mode to TV ON mode.
- ⑥ **LED Indicator** : The led lights up red in STANDBY mode and Lights up blue in TV on mode. When TV is Child Lock mode, LED will cycle through red / blue in STANDBY mode.
- ⑦ **Remote control signal receiver**
The screen contains the remote control signal receiving window. Therefore, point the remote control towards the screen when using it.

Name of Each Part

Side and Rear Panel



Parts of the Remote Control



1. **MUTE** : Press this button, and the sound goes off. Press again, and the sound returns.
2. **POWER** : TV on/off button in STANDBY mode.
3. **DVB/Analogue** : Each time you press this button, the TV will toggle between DVB & RF Analogue.
4. **MULTIMEDIA** : Each time you press this button, the TV will cycle through: COMP → PC → HDMI1 → HDMI2 → COMP
5. **AV** : Each time you press this button, the TV will cycle through: TV → AV1 → AV2 → AV3/S-Video → TV
6. **NORMAL** : The NORMAL button changes picture mode as follows: Normal → Cinema → Dynamic → Favourite → Normal
7. **▲VOL▼** : Adjusts the volume.
8. **▲PR/PAGE▼** : Changes the program on your TV.
9. **▲/▼** : Moves the cursor up/down in the menu.
10. **◀/▶** : Accesses and adjusts item in the menu.
11. **OK/SELECT** : Auto Tuning Start and Manual Tuning Store.
12. **GUIDE** : Move to Now/Next EGP at Guides on DVB MENU directly. See page 34.
13. **SUBTITLE** : Select the Subtitle On/Off on DVB MENU directly, or show the subtitle if it has on the DVB MENU. See page 37.
14. **LANGUAGE** : Move to Language at CI Menu on DVB-T directly. See page 39.
15. **FAVOURITE** : Move to Favourites channel on DVB-T directly. See page 33.
16. **CANCEL/EXIT** : Using this button to move upper menu or exit the menu on DVB-T.
17. **MENU** : Menu display button.

Parts of the remote control

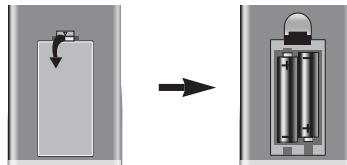


18. **□/○/II/III** : You can select sound modes in Mono, Stereo, Dual 1, Dual 2, NiCAM STEREO. It works only in TV mode.
19. **ASPECT** : Selects the screen aspect ratio.
Full → 4:3 → 14:9 → Zoom 14:9 → Zoom 16:9 → Auto → Full
20. **RECALL** : You can recall the present modes (TV, Video, Component, PC) and Signal information. In TV mode, the Programme number, Sound, and Clock.
21. **S.EFFECT** : Using this button, you can listen to the virtual surround sound. The sound will cycle through : Off → SPATIAL → 3D Panorama → BBE → Off
22. **NUMBER** : Press the numbers on this board, you can select PR directly in TV mode.
23. **STILL** : Press this button to freeze the picture.
24. **SLEEP** : Sleep Timer setting.
SLEEP TIMER : OFF → 15 → 30 → 45 → 60 → 75 → 90 → 105 → 120 → OFF
25. **Colour Keys (Red, Green, Yellow, Blue)** : Using on text or DVB-T mode.
26. **TEXT (TEXT, REVEAL, T.CANCEL, SIZE, S.CODE, HOLD, MIX, INDEX)** : see page 53.
27. **PIP Keys (P.MODE, P.SIZE, P.SWAP, P.INPUT, P.PR ▲/▼)** : See page 46.

Inserting Batteries into the Remote Control Unit

To load the batteries, turn the remote control handset over and open the battery compartment. Insert the batteries (Two 1.5v, type AAA). Make sure that the polarity matches with the (+) and (-) marks inside of the battery compartment.

Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.



Method To Use Basic Menu

Basic Menu

- The basic menu appears on the screen if you press the "MENU" button of the remote control.
- There are 6 items Picture, Screen, Sound, Install, Function and DVB in the basic menu.
- Each item has sub-items under it. If the desired item is selected, the relevant sub-items are displayed upward.

1. Press the "MENU" button.

- The main menu appears if you press the "MENU" button.



2. Press the "▲/▼" button.

- You may setup according to the directions on the screen after selecting the desired item by pressing the "▲/▼" button.
- If the setup is completed, exit from the menu by pressing the "MENU" button.



Picture : Adjusts Picture Mode, Brightness, Contrast, Colour, Sharpness and Tint (NTSC only), N.R. (Picture Noise Reduction) and Colour Temperature.



Screen : Adjusts Aspect, PC (activated on PC mode only) and PiP (Picture in Picture)



Sound : Adjusts AVC (Automatic Volume Control), Dynamic Bass, Effect, Balance and Equalizer.



Install : Adjusts Auto Tuning, Manual Tuning, Setup and Edit.



Function : Adjusts Language, Child Lock, Clock, Wake Up, Wake Time and Wake Pr.



DVB : Adjusts DVB Menu and Software Update (activated on DVB-T only).

To Watch TV

On/Off, Number, Mute, Recall, ▲VOL▼, ▲PR▼

Buttons with same name in the main body of the TV performs the same function.

Press the "ON/OFF" button on the side of the set or Remote control.

- The buttons on the remote control and the main body operate only when AC power is turned on.

Note : You can also turn on the TV using "▲PR▼" key and number buttons in the ST-BY mode.

When pressing the Program button

- Select two digits if using the number button for channel selection. For example, to watch channel No.9, Press the number buttons 0 and 9. If pressing only number 9, it takes a longer time to select channel.

To suddenly turn sound off

- Press the "MUTE (MUTE)" button.
 - No sound is heard if "MUTE (MUTE)" is displayed on the screen.
 - Sound is heard again if you press the "MUTE (MUTE)" button once again.
- For example, please use this button when the telephone rings or when guests arrive while watching TV.

To check TV operation status


- Pressing the "RECALL" button, the status of channel or broadcasting currently being watched or entry status of video component is displayed on the screen.



To Watch TV

- If the AV1 terminal on the TV set is connected with an external device, which is switched on, the TV will be ON at AV1 mode. Otherwise, TV will be ON at RF mode.

1. Turning on the TV.



- Plug the AC lead into a power outlet.
- The STANDBY LED lamp turns on in red.
- Press “ / |” button of the main body or “POWER” button on the remote control.
- The STANDBY LED lamp on the front panel begins to flicker in red and blue and the TV turns on.

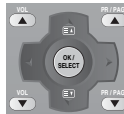


POWER







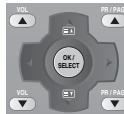
2. Adjust program.



- Select the desired program by pressing the “PR” button or the number button.




3. Adjust volume.

- Sound reduces by pressing the “VOL” button.
- Sound increases by pressing the “VOL” button.



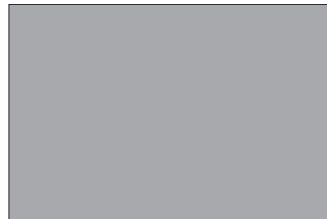
Note : Sound mutes by pressing the “MUTE” ( ) button.

4. Turning off the TV.

- Press “ / |” button of the main body or “POWER” button on the remote control.
- TV turns off and the power lamp changes to red.



POWER



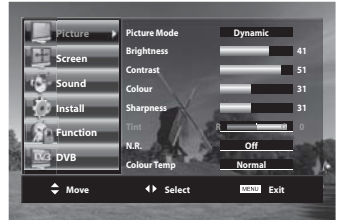
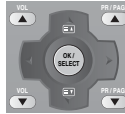
Setting Up TV Stations

Auto Tuning

- All stations that can be received are stored by this method. It is recommended that you use Auto tuning during installation of this set.

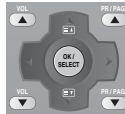
1. Press the "MENU" button to select the Install menu.

- Move the selection bar to the **Install** menu with "▲/▼" buttons.



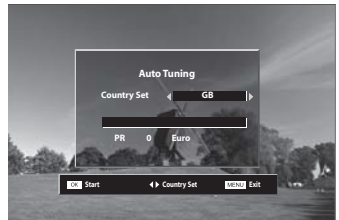
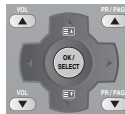
2. Select the "Auto Tuning"

- Place the selection bar on **Auto Tuning** and press the "▶" button.



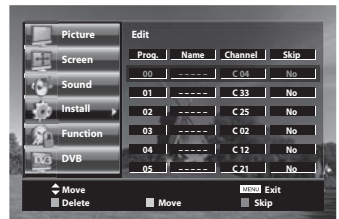
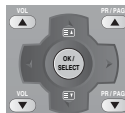
3. Select the country you require with the "◀/▶" button.

- After selecting the country, to start Auto Tuning press the "OK" button.



4. Please wait until the Edit menu appears.

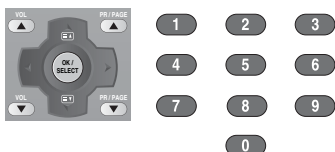
- If you don't want to edit the programs now, escape from the menu with the "MENU" button.



Setting Up TV Stations

Manual tuning

1. Press the Number buttons(0~9) or the “▲PR▼” button to select a program number you want.



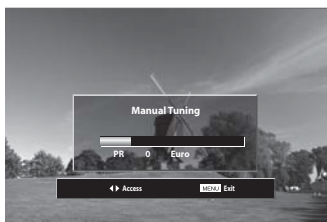
2. Locate the selection bar on the Manual tuning at the Install menu.

- Press the “MENU” button to select the **Install** menu.
- Move the selection bar to the Install menu with “▲/▼” buttons.
- Place the selection bar on **Manual Tuning** and press the “▶” button.



3. Execute Manual Tuning.

- A tuning screen will appear and cursor will move from left to right / from right to left. If you want to stop tuning press the “MENU” button.
- You should press the “OK” button to store a program then the PR number is changed to red. If you don't want to store the program, press “◀/▶” button to skip the program.
- To store another program, select other PR number using “▲/▼” buttons and press “◀/▶” buttons.



Note :

- If you are unable to get any programs using Auto Tuning due to a poor broadcasting signal, it may still be possible to store channels using the Manual tuning.
- If present channel is SECAM L/L'; TV set search SECAM L/L'. And, if present channel is not SECAM L/L'; TV set search all channels except SECAM L/L'.

Setting Up TV Stations

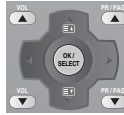
Setup

The **Setup** menu shows you information as follows:

- Channel, System, Frequency, Station name, Program number and Store to PR number.

1. Searching for channels in the Setup menu

- Press the "**▲PR▼**" buttons to select a program number you want.
- Move to **Setup** in the **Install** menu.
- Search a real channel informations(Channel, System and Program) with "**▲/▼**" buttons.
- If you save the selected channel to favourite program number, move the cursor to Store To and select using the "**▲/▼**" buttons.



2. Fine tuning

- Move to **Setup** in the **Install** menu.
- Move the cursor to **Frequency** by pressing "**▲/▼**" buttons.
- Adjust the fine tuning with the "**◀/▶**" buttons.

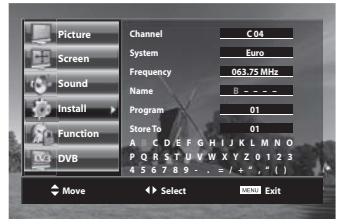
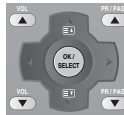


Note :

- If you are unable to get a good picture or sound because of a poor broadcasting signal, adjustment of the fine tuning might improve it.

3. Enter a station name

- Move to **Setup** in the **Install** menu.
- Move the cursor to **Name** by pressing "**◀/▶**" buttons.
- You can enter a station name with the "**▲/▼**" and "**◀/▶**" buttons.



Note : Only English is supported in this station name.

Setting Up TV Stations

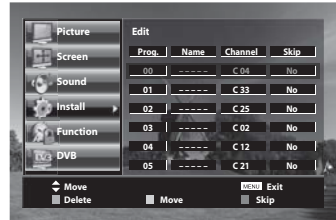
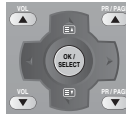
Edit

The **Edit** menu shows you information as follows:

- Program position assignment: Program number and Station name, Real channel number.
- Skip information: Yes or No.

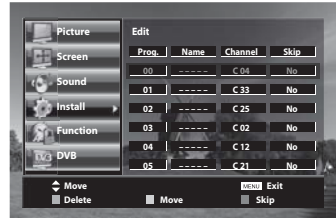
1. Deleting the program positions.

- Move to **Edit** in the **Install** menu.
- Move the selection bar to the program number to delete with the “▲/▼” buttons.
- Press the **Delete** (Red) button.



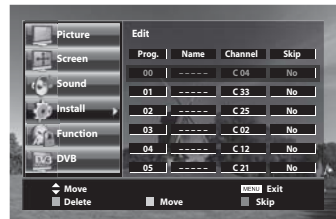
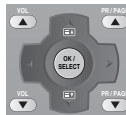
2. Moving the program positions

- Move to **Edit** in the **Install** menu.
- Press the Move (Yellow) button. The program and station name is highlighted in yellow.
- Move the yellow block to the desired position using the “▲/▼” buttons.
- Press the **Move** (Yellow) button again, then the program is changed.



3. Skipping the Programs

- Move to **Edit** in the **Install** menu.
- Move the selection bar to the program number you want to skip
- Press the **skip** (Green) button, then the skip area will cycle through : Yes and No.



DVB Menu

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 "ⓘ" then you will see more detailed information on the screen. And in some menus, you can use the cyan, yellow, red, green buttons. 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

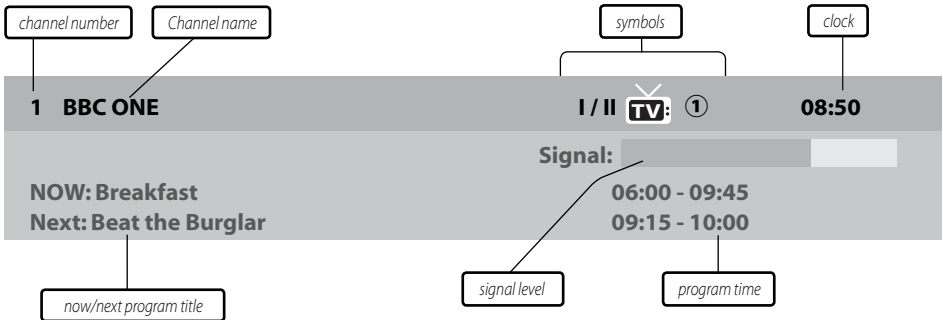
Common Interface

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.



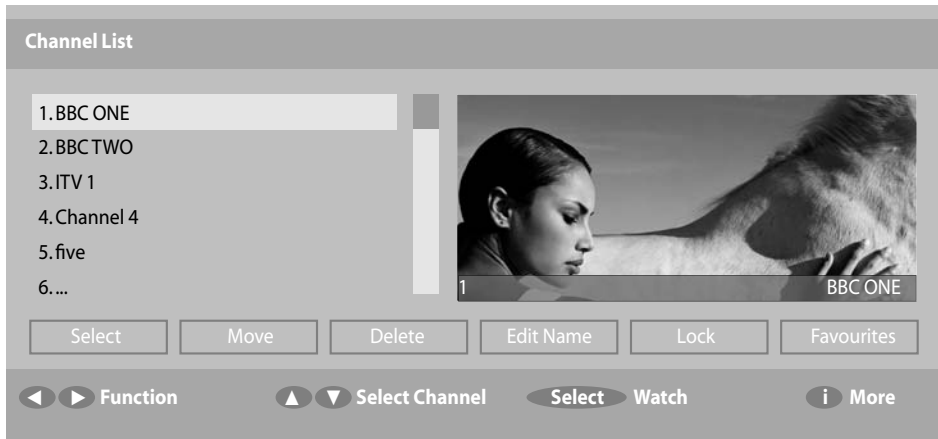
Symbols description

I / II Other audio languages are available and can be selected in Configuration (see page 37)

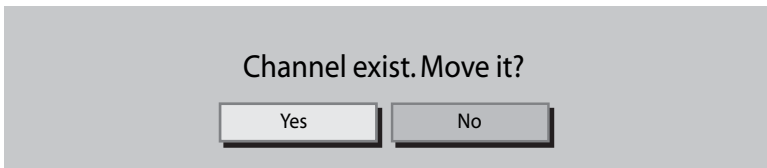
ⓘ (~Ⓞ) The selected Favourite list number is displayed here.

DVB Menu

Channel List



- Select the **MOVE** function to change the channel number and press the OK. Enter the new number you want and press the OK button. If the number you are selecting is already memorised for another channel, a warning message will appear on screen.




Push the OK button to confirm new number for the channel you selected. Then the previous channels will be automatically moved to the next number.

- The **Select** and **Delete** function is to choose or delete the channel.
- Select the **Edit Name** function to change the channel name as you want. Press the **UP / DOWN** key to change characters.
- If you want to lock some channels for several reasons, select the Lock function and enter the password. you should remember the password. If you forget, please do auto search again to make password go back to default "0000". How to change default password, see page 37.
- **Favourites** function is the same as **Favourites** on **DVB MENU**. So you can also setup this function on **Channel List** or the **DVB MENU**.

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 ⓘ 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 the **Select** key to make your own list.

When you press the **Select** key, the mark (①②③④⑤) will show up on the channel name's right side.

For example, if there is ① mark on BBC ONE, that means BBC ONE is selected as your **favourite list 1**.

You can make up to 5 favourite lists.

Once the Favourite function is activated, you can only select the channels you have already stored in each Favourite list. If you press the number key on the remote control, you can watch the entered channel and Favourite mode will be canceled (return to full channel mode).

When you move to the next Favourite list, the smallest number of channels memorised in the next Favourite list will be automatically selected.

Note: If the 'Favourite Lists' has not been set up, the Favourite function can not operate and you will get a warning message.

No favourite channels have been set for this favourite list. Please go to Edit Favourite Lists to set favourites.

Select


Also you can select Favourites by the OSD menu DVB MENU → SETTING → Configuration.

DVB Menu

Guides

Select each sub-menus.

Now / Next EPG

- 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 "  " to see detailed information of each program

Guides

Now / Next EPG

List Schedule EPG

Timeline Schedule EPG

MENU

Exit

SELECT

Select

Now / Next EPG

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
 Event

DVB Menu

List Schedule EPG

- You can check program schedules 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 " **i** " to see detailed information of each program

List Schedule EPG 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

Timeline Schedule EPG

- You can check program schedules by timeline.
- Navigate channel by pressing **UP/DOWN/RIGHT/LEFT** button.
- Press **RED/GREEN** buttons to change the time scale.
- To watch an event currently on-air, press OK button.
- Press info key to see detailed information of each program.

Timeline Schedule EPG Wed 10/03 15:03

Wed 10/03	15:00	15:45	16:30
1. BBC ONE			
2. BBC TWO			
3. ITV 1			
4. CHANNEL 4			
5. FIVE			
6. ITV2			
8. 8			
10. ITV3			
13. More 4			

◀ ▶ ▾ ▴ Navigate ● ● ZOOM ● ● Advance Day ⓘ Event

DVB Menu

Timers

- 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 the password, go to SETTING > Configuration > Parental settings (see page 37).

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

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

DVB Menu

Settings

Select each sub-menu

Configuration

This has 6 sub-menus.

- Change **Time Zone** : GMT - CET

- **Subtitle** on/off

You can also control this with the remote control SUB TITLE button.

Note: You can select sub title language in the Features menu.

- Change **Banner** time :

off - 1 sec - 2sec - 4sec - 8sec

- You can choose your favourite list (see page 33) in **Favourite Mode**.

If it is selected as off, all channels are shown.

- **Change Channels List :**

Show all - TV only - RADIO only - TEXT only

- **Parental Setting enables you**

to make individual services. **DVB MENU** and Installation are protected by a password. The default password for parental setting is „0000“.

To change the default password, select **“Parental Settings”** using the up/down buttons, and press the OK/SELECT. Using number buttons enter default password “0000”. Now select **“Set Lock Key”** and confirm with the OK/SELECT button. Using the number buttons enter a new password in to **“Lock Key”** field and re-enter in the **“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

Setting

Configuration

Language

Installation

MENU Exit

SELECT Select

Configuration

Time Zone	◀ GMT ▶
Subtitle	Off
Banner	4 sec
Favourite Mode	Off
Channel List	Show all

Parental Settings

HW2048.258_SW3.4.157



1

BBC ONE

◀ ▶ Change Default Subtitle Language

i More

DVB Menu

Language

- **System** : Select some language, then OSD is displayed in that language: English → German → French → Italian → Spanish → Danish → Polish → Norwegian → Swedish → Finnish → Portuguese → Dutch.
- **Preferred** : has two sub menus. Audio is change the audio sound in selected language. Subtitle is change the subtitle display in selected language: English → German → French → Italian → Spanish → Danish → Polish → Norwegian → Swedish → Finnish → Portuguese → Dutch → Catalan.
- **Current** : has two sub menu, and be displayed languages that current broadcasting stream have.

Note : If you set some language on Preferred but the broadcasting stream that you see don't have the information of that language, then you can't hear or see the language. So you have to select other language that the broadcasting stream have.

Language Settings

System ◀ English ▶

Preferred

- Audio English
- Subtitle English
- Current Change

1 BBC ONE

Select Change Default System Language i More

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.
- **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**

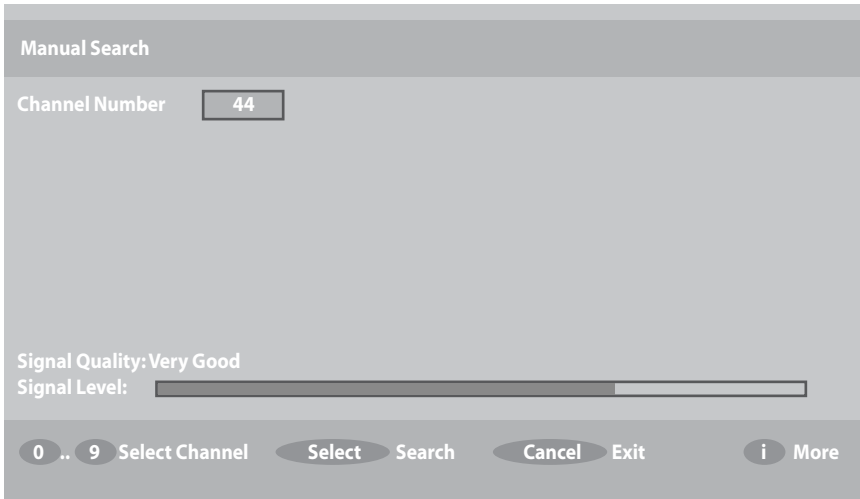
Do you want to start automatic search?
Your previous channel list will be replaced.

Yes No

Important:

- The DVB system requires a good signal to provide the best picture. For the DVB system, interference 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, you may need to improve your aerial system to provide a better signal.

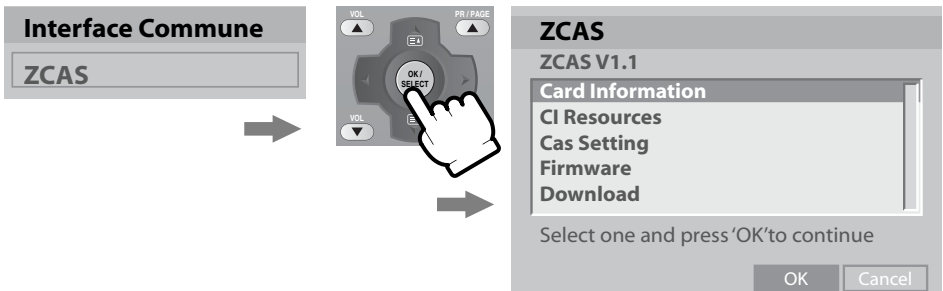
DVB Menu



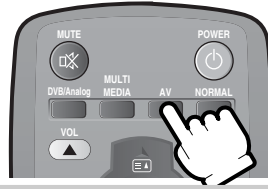
Common Interface

- 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 the CI Card**, „**Common interface module inserted**” appears on the screen. Then, you can watch pay channels.
- If you **remove the CI Card** from the slot, „**Common interface module removed**” appears on the screen, then you can't watch **pay channel** any more until you insert the CI card again.
- The Common Interface menu allows you to access a pay-per-view (PPV) service on your TV set. This feature operates once you have obtained a CI module and a viewing card. If you want to know the pay-per-view (PPV) service in your region, please contact your nearest PPV provider for detail.

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.



Selection of AV and Multimedia Input Signal

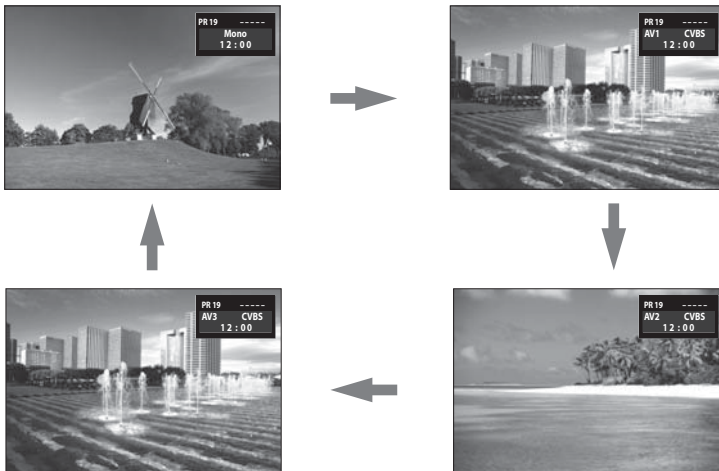


When watching video, Camcorder, DVD, Cable TV with AV

- See page 12 for connection method of Camcorder and Video.
- When pressing "□/⏪" button on the TV set, screen changes as follows:
TV → AV1 → AV2 → AV3/S-Video → COMP → PC → HDMI1 → HDMI2 → TV

1. Pressing the "AV" button on the remote control.

- The screen changes as follows:
TV → AV1 → AV2 → AV3/S-Video → TV



Note :

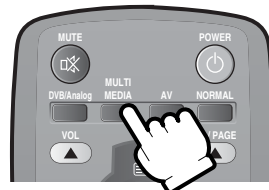
Cautions in menu setup

- The menu disappears if you do not operate any button for about 25 seconds from the menu appearing.
- In the case of connecting both composite video signal and S-video signal at the AV3 terminal, the S-video signal has priority.
- If sound signal is mono only, connect the white phono plug to the LEFT (L)-terminal of the sound input terminal on the TV.

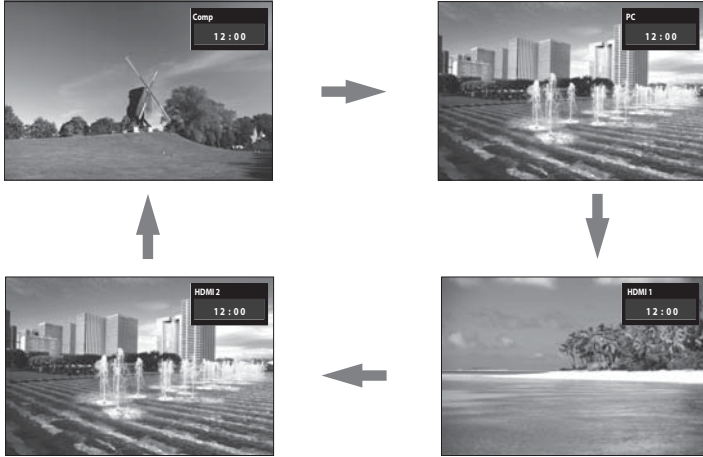
When connecting PC, STB, DVD with Multimedia

1. Pressing the "MULTIMEDIA" button on the remote control.

- The screen changes as follows:
COMP → PC → HDMI1 → HDMI2 → COMP



Selection of AV and Multimedia Input Signal



HDMI & PC mode

1. For optimum picture quality, use 1360(6)x768 computer or set top box output at a 60Hz refresh rate. Using other formats or refresh rates may result in reduced picture quality.
2. If the message 'No signal' appears on the screen, adjust the PC output to a format listed in the Multimedia Input table.

Multimedia Input Format

Resolution	V-freq	HDMI	PC(D-Sub)	Component	Standard
640 x 480	60Hz	o	o	x	
	72Hz	o	o	x	
	75Hz	o	o	x	VESA Standard
800 x 600	60Hz	o	o	x	VESA Standard
	72Hz	o	o	x	VESA Standard
	75Hz	o	o	x	
1024 x 768	60Hz	o	o	x	VESA Standard
	70Hz	o	o	x	VESA Standard
	75Hz	o	o	x	VESA Standard
1360(6) x 768	60Hz	o	o	x	
	75Hz	o	o	x	
720 x 480	60Hz	o	x	o	
720 x 576	50Hz	o	x	o	
1280 x 720	50Hz	o	o	o	
	60Hz	o	o	o	
1920 x 1080i	50Hz	o	x	o	
	60Hz	o	x	o	
720 x 480i	60Hz	x	x	o	
720 x 576i	50Hz	x	x	o	

Note :

- 1280 x 720 mode is commonly used for Component.
- So if this mode is used at PC mode, the screen can be enlarged.

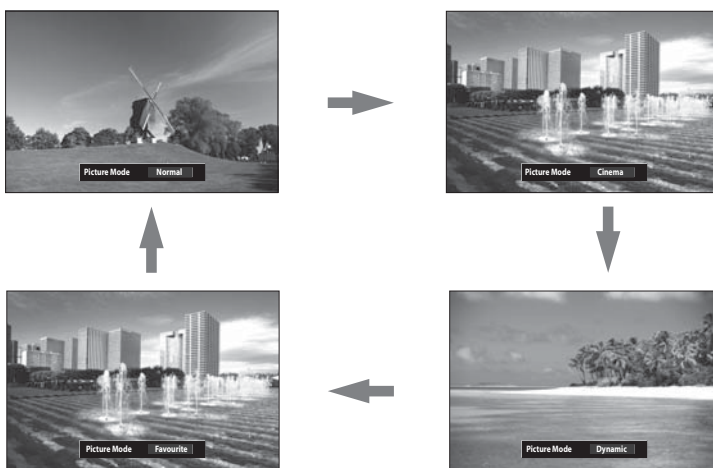
Screen Adjustment

When setting up various screen modes

- The user may select various screens designed for a good picture without adjusting the brightness, contrast or colour individually.

1. Pressing the "NORMAL" button.

- The screen changes as follows:
Normal → Cinema → Dynamic → Favourite → Normal
- The screen adjustment status changes as the following screens are displayed sequentially whenever pressing the "NORMAL" button.



Note :

- **Normal** : For a highly defined image in a normally bright room.
- **Cinema** : Supports softer image than Normal mode.
- **Dynamic** : Ideal for fast movement like sports.
- **Favourite** : Allows the user to customize settings as desired.

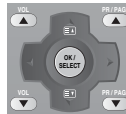
Screen Adjustment

When adjusting the screen to taste

- You can enjoy various screens by adjusting Brightness, Contrast, Colour, Sharpness, etc to the user's taste.

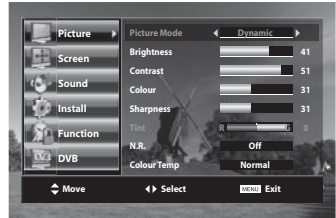
1. Select "Picture" by pressing the "MENU" button.

- The menu screen appears as follows.



2. Select and adjust each item.

- Move to the **Picture** menu.
- Whenever pressing the "▲/▼" button, you can select Picture Mode, Brightness, Contrast, Colour, Sharpness, N.R and Colour Temperature EG. Warm or cool (if reddish bluish picture).
- The screen appears, as on the right, if pressing the "◀/▶" buttons after selecting items desired to adjust with the "▲/▼" buttons.
- You can adjust all items by pressing the "◀/▶" button.



Note :

- **Picture Mode** : Changing the picture mode, Normal → Cinema → Dynamic → Favourite
- **Brightness**: Adjusts the whole of screen brighter or darker.
- **Contrast**: Adjusts difference between brightness and darkness between objects and background on the screen.
- **Colour**: Adjusts colour saturation.
- **Sharpness**: Adjusts outline of the screen smoothly or sharply.
- **N.R** : Noise reduction.
- **Colour Temperature**: Changing the tone of colour:
Normal: Normal white **Warm** : Reddish white **Cool**: Bluish white
- **Tint** activates when receiving a NTSC signal.
- The adjusted levels are stored automatically in Favourite mode.

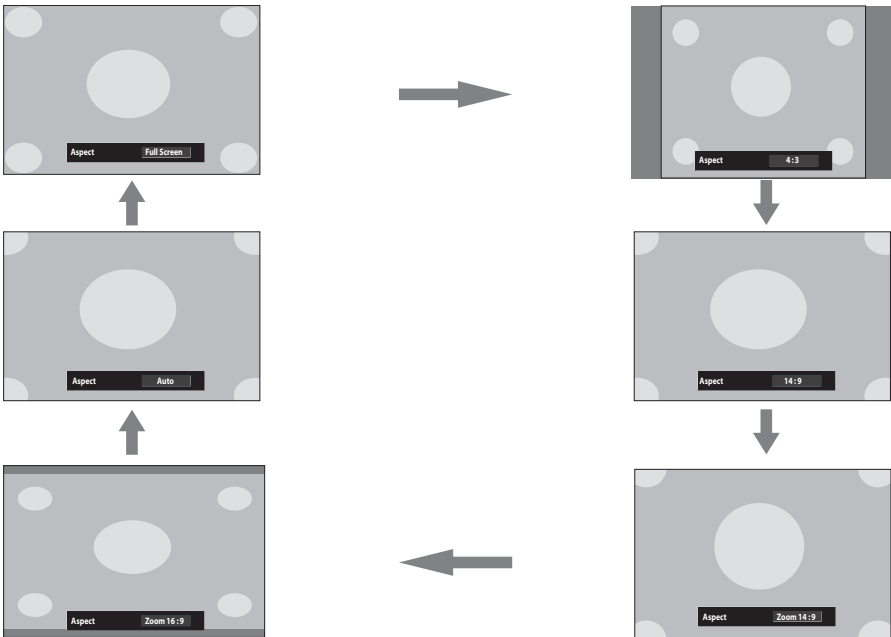
Screen Adjustment

Adjustment of Screen Size in TV and AV mode

- Randomly change the size of the screen.
- The AUTO screen operates when power is first turned on.

1. Pressing the "ASPECT" button on the remote control.

- The screen changes as follows:
Full → 4:3 → 14:9 → Zoom14:9 → Zoom16:9 → Auto → Full



- **Full** : This mode will display full screen irrespective of signal information of a broadcasting station.
- **4:3** : General TV screen currently broadcasted."
- **14:9** : This mode will display a 14:9 picture at its standard 14:9 size without any stretching.
- **Zoom 14:9** : Screen that enlarges image by 1.33 times bigger than 14:9 image.
- **Zoom 16:9** : Screen that enlarges image by 1.33 times bigger than 16:9 image.
- **Auto** : This mode will display depending on the signal information of a broadcasting station.

Notices:

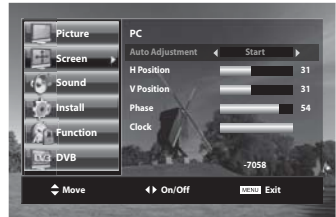
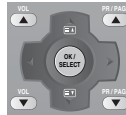
- Can't select Aspect in Multimedia(HDMI, PC, Component) mode.
- "WSS" (Wide Screen Signaling) mode like 14:9 is only available with CVBS signal.

Screen Adjustment

Adjustment of the screen in the PC mode

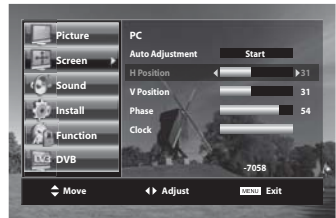
1. Auto Adjustment

- Move to **Auto** in the **Screen** menu.
- Press the "◀/▶" buttons to detect optimal resolution automatically.



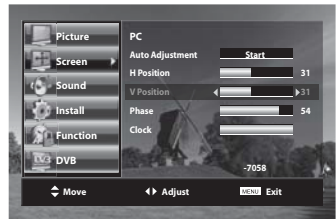
2. Adjustment of the H-Position

- Move to **H-Position** in the **Screen** menu.
- Press the "◀/▶" buttons to adjust the horizontal position of displayed image.



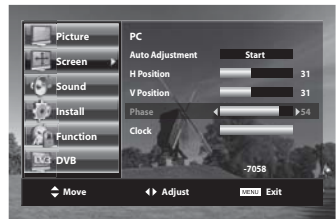
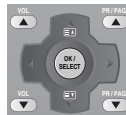
3. Adjustment of the V-Position

- Move to **V-Position** in the **Screen** menu.
- Press the "◀/▶" buttons to adjust the vertical position of displayed image.



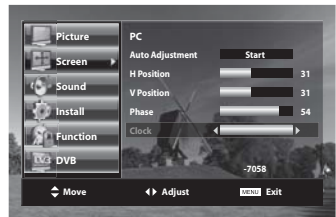
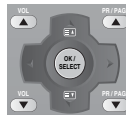
4. Adjustment of the Phase

- Move to **Phase** in the **Screen** menu.
- Press the "◀/▶" buttons to adjust the phase to get a clear picture.



5. Adjustment of the Clock

- Move to **Clock** in the **Screen** menu.
- Press the "◀/▶" buttons to adjust the clock to fit the size of the screen.



Note :

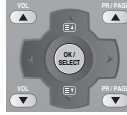
- During the Auto Adjust, you must not alter the screen on the monitor.
- During the moving picture, Auto Adjust is unable to work correctly. So you must execute Auto Adjust on a still image.
- Auto Adjust works incorrectly on a part graphic card or picture.
- When Auto Adjust is not correctly working, you can adjust with H/V position, and phase manually.

PIP Mode

-The user can enjoy two screens by using PiP function.

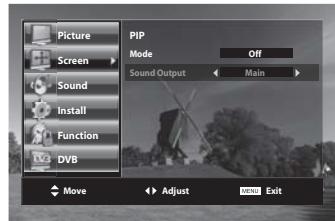
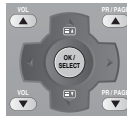
1. Adjustment of PiP Mode (Picture in Picture)

- Move to **Mode** in the **PIP**.
- Press the "◀▶" buttons to select, PiP mode changes as follow:
Side by Side → Small PiP → Large PiP → Off



2. Adjustment of Sound Output

- Move to **Sound Output** in the **PIP**.
- Press the "◀▶" buttons to select, Sound Output changes as follows:
Main → Sub → Main



Note :

- On the side by side, you can select the sound output directly by activating outline using "◀▶" buttons on the remote controller.

3. Pressing the "P.MODE" button on the remote controller.

- The PiP Mode changes as follows:
PiP off → Side by Side → PiP → PiP off
- Side by Side: This mode will display two screen left(Main) and right(Sub).
- PiP : This mode will display two screens, Main is full screen and Sub is fixed on the right-bottom side.

Notices : PiP consists of one Analog(RF/DVB-T, AV, COMP and PC mode) and one Digital(HDMI mode).

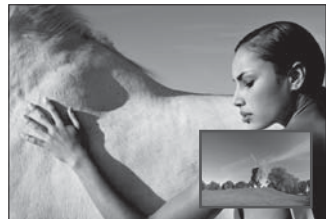
It means, if Main is on Analog then Sub must be on Digital.

4. Pressing the "P.SIZE" button on the remote controller.

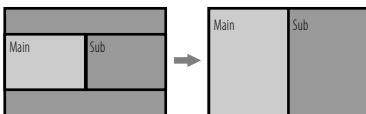
- On the Side by Side, the screen changes as full side by side.
- On the PiP, Sub screen size is changed: large → small → large.



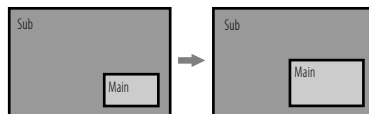
Side by side



PIP



Side by side

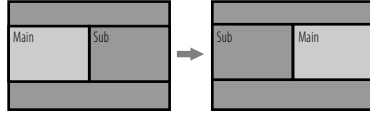


PIP

PIP Mode

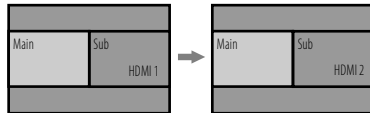
5. Pressing the “P.SWAP” button on the remote controller.

- Switches over the Main and Sub screen.



6. Pressing the “P.INPUT” button on the remote controller.

- If Sub is on Digital, Switch the Sub screen in the MULTIMEDIA cycle(HDMI1 → HDMI2 → HDMI1...) PC and COMP aren't selected because they are on the Analogue side.
- If Sub is on Analogue, Switch the Sub screen in the exterior input cycle(RF/DVB-T → AV1 → AV2 → AV3 → COMP → PC → RF/DVB-T...)



7. Pressing the “P.PR▲/▼” buttons on the remote controller.

- Sub screen is switched to RF mode and you change channels by pressing PR. Up/Down buttons.

Note :

- In the PiP mode, you can't enter the Install and DVB in the MENU OSD. If you want to select the Install or DVB in the MENU, switch off the PiP mode.
- On the PiP mode, The highest HDMI resolution is 720p. If the HDMI resolution is too high (ex:1080i), exit the PiP mode automatically.

MAIN \ PIP	RF (DVB-T)	AV1 (CVBS RGB)	AV2 (CVBS)	AV3 (CVBS) S-VHS	COMPONENT	PC	HDMI 1	HDMI 2
RF (DVB-T)	X	X	X	X	X	X	O	O
AV1 (CVBS RGB)	X	X	X	X	X	X	O	O
AV2 (CVBS)	X	X	X	X	X	X	O	O
AV3 (CVBS) S-VHS	X	X	X	X	X	X	O	O
COMPONENT	X	X	X	X	X	X	O	O
PC	X	X	X	X	X	X	O	O
HDMI 1	O	O	O	O	O	O	X	x
HDMI 2	O	O	O	O	O	O	x	X

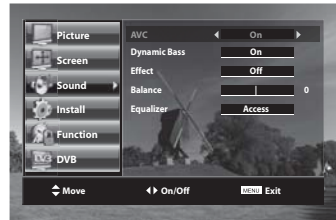
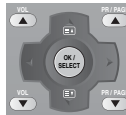
Sound Adjustment

When adjusting sound to taste

- The user can enjoy various sounds by adjusting AVC, Dynamic Bass, Effect, Balance and Equalizer.

1. Select AVC Mode

- Select **Auto Volume Control** On/Off by pressing "**◀▶**" button, then the volume is same every time you switch the TV on.

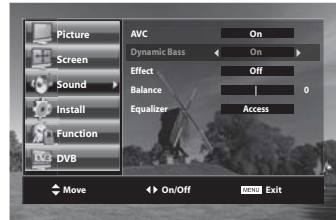
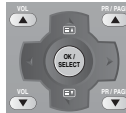


2. Select Dynamic Bass Mode

- Move to **Dynamic Bass** in the **Sound** menu.
- Select either Dynamic Bass On or Off using the "**◀▶**" button.

Note :

- **Dynamic Bass** : Using this function, increases the bass response.

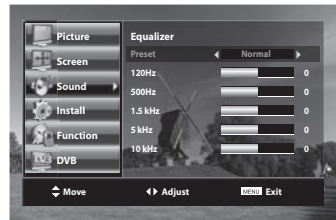
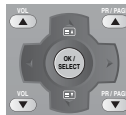


3. To adjust the audio equalizer

- Move to **Equalizer** in the **Sound** menu.
- Select and use the relevant frequency by pressing the "**▲/▼**" button.
- You can adjust the degree of the frequency by using the "**◀▶**" button.

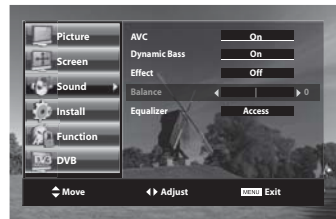
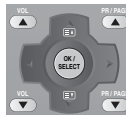
Note :

- Whenever you adjust the audio equalizer, it stores in the Favourite mode.
- Equalizer: High quality sound range adjustment method used for audio product.
120Hz, 500Hz: Low sound range / 1.5kHz, 5kHz: Middle sound range / 10kHz: High sound range



4. Select Balance Mode

- Move to **Balance** in the **Sound** menu.
- Select "Balance" by pressing "**◀▶**" button, then the sound balance of left and right speaker can be adjusted for equal sound reception from both speakers according to where you are sitting.

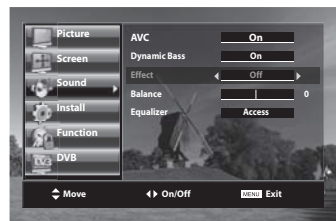
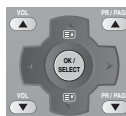


5. Select S.EFFECT Mode

- The S.EFFECT changes as follows :
Off → SPATIAL → 3D Panorama → BBE → Off

Note :

- **3D PANORAMA**: This function generates virtual surround sound from the left and right speaker by expanding the existing surround system function.



Sound Adjustment

Multi-Sound and Stereo

1. Mono Sound Selection

- During Stereo sound reception if the stereo is weak, you can switch to MONO by pressing the “□/○/||/||” button. Then the colour of “MONO” character will change to Red. In Mono reception the depth of sound is improved.
- To switch back to stereo, press the “□/○/||/||” button again.



Note :

- “□/○/||/||” only works in RF mode.

2. Adjustment of Bilingual sound

- In bilingual broadcast reception, you can switch from Dual 1 to Dual 2 by pressing the “□/○/||/||” button repeatedly.

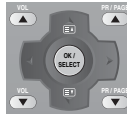


Selection of Language

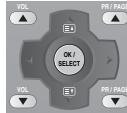
Selection of Language

When you first turn on the TV set, the on screen display of language selection is displayed automatically.

1. Press the "MENU" button and select "Function".



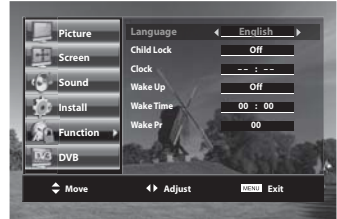
2. Select "Language" by pressing "◀/▶" button.



3. Select your desired language by pressing the "◀/▶" button. Then it will set automatically.

The language changes as follows.

English → German → French → Espanol → Italian → Danish → Suomi → Swedish → Helinika → Norska → Dutch → Portuguese → Cesky → Polish → Romana → Russian → Magyar → Bulgarian → Welsh → Gaelic



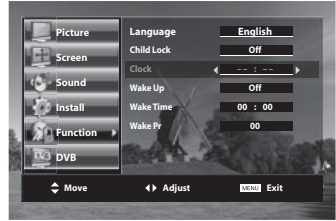
Adjustment of Time

Adjustment of Time

- You must previously adjust current time in order to activate Automatic On/Off, switching of Wake Up Time and Sleep Mode. However in the UK the time is set automatically from the broadcast received.

1. Manual clock setting

- To go to the **Clock**, press the "▶" button.
- Place the cursor to Hour / Minute with "◀/▶" buttons.
- Set the Hour / Minute with the "▲/▼" buttons.
- Place the cursor to Clock with "◀/▶" buttons and then press the "MENU" button to complete.

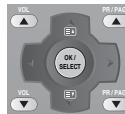


Note :

- Manually set clock is not memorized any more when TV is completely powered off from the A/C mains.

2. Setting the Wake up time / Program

- To go to the **Wake Up**, press the "▲/▼" button.
- Select the Wake Up to "On"
- Set the **Wake up time** and **Program** in the same way as above for the Clock. The set will turn on at the selected time.



Note :

- Confirm the Time is set. The Wake up time is only available when the Time is set.
- If adjusted once, the On-time continues to operate every day unless you cancel setup or you turn the AC power off.
- It is a convenient method to wake you up in the morning.

3. Sleep Mode

- By pressing the "SLEEP" button on the remote controller repeatedly, you can select one of the following settings:

Sleep Timer: OFF → 15 → 30 → 45 → 60 → 75 → 90 → 105 → 120 → OFF

- The set will turn off after the time you select.

Note :

- If an active signal is not present for about 30 minutes, the set will automatically turn to ST-BY mode.



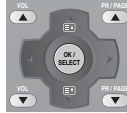
Other Functions

1. Setup of Child Lock

- Move to **Child Lock** in the **Function** menu.
- Select Child Lock to "On" using the "▶" button

Note :


- This prevents the use of the TV set without the remote control.
- If the TV set is in Child Lock mode, the LED will cycle between red and blue.
- If the Child Lock is "On", then the set can only be switched back on using the remote control.



Teletext

Analogue Teletext

SWITCHING TELETEXT ON/OFF

Press the "TEXT" button ().

The index page or the page viewed last will appear.

Press the "TEXT" button again to return to the TV mode.

NOTE: Teletext works only in TV/AV mode. However digital broadcasts have digital text. To use digital text press the "TEXT" button in DVB mode.

COLOUR BUTTONS IN TOP (Tables Of Pages) NB. not used in the UK /FLOF (Full Level One Feature) TELETEXT

A red, green, yellow and blue field is shown at the bottom of the screen.

If TOP or FLOF Teletext is transmitted by the station, pressing the corresponding colour button R,G,Y,B on the remote controller, enables you to select the desired page easily.


SELECTING PAGES

The "NUMBER" buttons are used to enter a page number.

The selected page number appears at the top of the screen and the page appears after a short time.


The "▲/▼" buttons increase or decrease the current page number by 1.

INDEX PAGE

You can switch directly to the programme preview (with TOP text) or the overview page of the station you are currently viewing by pressing the "INDEX" button ().


PAGE HOLD

Several sub pages can be combined under a page number and are scrolled at an interval determined by the television station. The presence of sub pages is indicated by, for example, 3/6 beneath the time, which means that you are looking at the 3rd page of a total of 6 pages.


If you want to look at a sub-page for a longer period of time, press the "HOLD" button ().

The HOLD symbol appears and the contents of the sub-page shown are kept on the screen and no longer updated or switched to other sub-pages. By pressing the "HOLD" button again, the current sub-page appears.

CALLING UP SUB-PAGE DIRECTLY


Pressing the "S-CODE" button (), "----" appears.

Enter the sub-page number that you want to call up with the "NUMBER" button, for example, the 2nd page, sequence 0002. The desired sub-page will eventually be displayed on the screen and it will be hold there.

Meanwhile whilst you are waiting, it is possible to go back to the TV picture by pressing the "T.CANCEL" button () on the remote control and after a while, press the "T.CANCEL" button again to revert back to the saved Teletext sub page.

WATCHING TV DURING TELETEXT MODE

Some pages are continually updated, for example, stock market reports, sports announcements, and the latest news.


If you want to watch television and stay informed at the same time, press "T.CANCEL" button ().

The regular programme is still visible and the updated Teletext page number appears at the top of the screen.


By pressing the "T.CANCEL" button again, the Teletext page appears with the updated information.

REVEAL ANSWER

This function can be used on certain pages to reveal the solution of riddles.

Press the "REVEAL" button () to reveal a hidden answer and press again to hide it.

DOUBLING CHARACTER SIZE









Repeatedly pressing the "SIZE" button () doubles the character size in the following order:

Upper half of the page → Lower half of the page → Normal size → Upper half of the page

Troubleshooting





Symptoms and Solutions

Please check the following list prior to calling Daewoo Electronics Customer Service Centre for assistance.

Symptom	Check items
Neither picture nor sound 	<ul style="list-style-type: none"> - Check the contact of sockets is OK. - Check the TV main power is on.
Picture is OK but no sound 	<ul style="list-style-type: none"> - Check the Volume control is not set to minimum or mute.
Sound is OK, but no colour. 	<ul style="list-style-type: none"> - Check the colour control and adjust it properly. - Check the program is in colour and not in black & white.
The picture has ghost image. 	<ul style="list-style-type: none"> - Picture ghost image is caused by signals reflecting from large buildings. To improve move antenna for best reception or instal an aerial with a small pick up foot print. - Check the antenna is installed correctly and if not, adjust the antenna towards the broadcasting transmitter.
Picture has "snow noise". 	<ul style="list-style-type: none"> - Check the antenna is installed correctly and if not, adjust the antenna towards the broadcasting transmitter. - Check the antenna or its connection is correct and if not, correct the antenna fault or connection cable fault. - Check if car traffic or neon sign disturbs the sound effect.
Stripes on picture. 	<ul style="list-style-type: none"> - Check the susceptible interference by other electronic devices such as radio and television and keep magnetic or electronic devices away from the TV.
Bad stereo or Dual sound. 	<ul style="list-style-type: none"> - Long distance from the station or other radio waves can generate bad sound reception. If so, change the mode to Mono.
Remote control does not work. 	<ul style="list-style-type: none"> - Check if the batteries in the Remote control are dead. - Check if any object between IR sensor of the TV and the Remote control is not obstructing the infra red beam.

Troubleshooting

In PC mode

Symptom	Check items
<p>"UNSUPPORTED" appears on the screen</p> 	<ul style="list-style-type: none"> - Check the resolution and frequency of your PC. Then, adjust them to optimum condition for LCD TV. - Refer to the table of PC mode input format (If registered resolution and frequency on the table not listed then no picture will be displayed.)
<p>"NO SIGNAL" appears on the screen.</p> 	<ul style="list-style-type: none"> - Ensure that the signal cable is firmly connected to PC and TV.
<p>Image is not clear.</p> 	<ul style="list-style-type: none"> - Adjust the PHASE control.
<p>Image is not centred.</p> 	<ul style="list-style-type: none"> - Adjust the H-POSITION and V-POSITION control.

• AFTER SALES SERVICE

Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.

Standard of Product

Screen Size	32"(800.4mm)	37"(940.3mm)	42"(1067.308mm)
Aspect Ratio	16:9		
Resolution	1366 x 768 (WXGA)		
Pixel Pitch	170.25um x 510.75um	0.200mm x 0.600mm	0.227mm x 0.681mm
Contrast Ratio	5000:1	5000:1	5000:1
Dimension (W x H x D)	806 x 590 x 260mm	940 x 682 x 260mm	1044 x 757 x 345mm
Weight	17,6Kg	23.5Kg	31.5Kg
Power Consumption	Show on the back of product		
TV System	PAL B/G, D/K, I/I, SECAM B/G, D/K, L/L; NTSC(AV)		
Power Source	220 ~ 240V, 50/60Hz		110 ~ 240V, 50/60Hz

※ Owing to our policy of continuous improvement, specifications may change.

