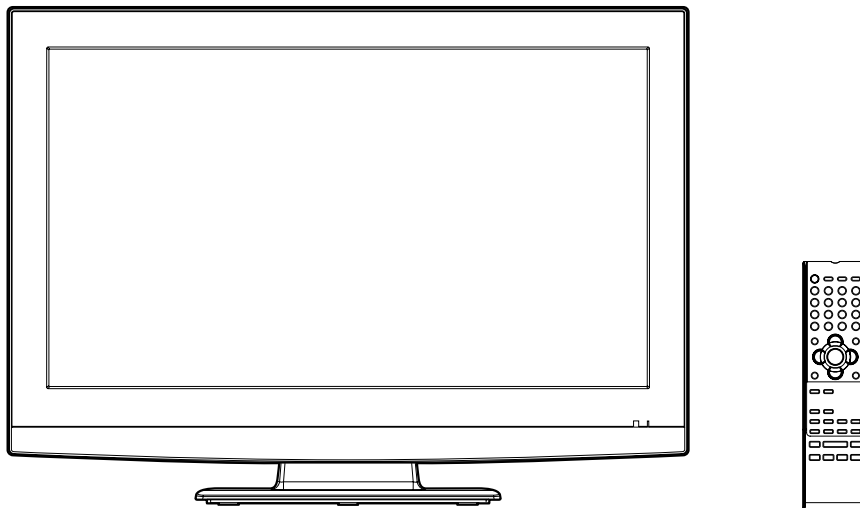


JVC

LCDTV/DVD Combo

LT-32D1

INSTRUCTIONS



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

DVD
VIDEO

COMPACT
disc
DIGITAL AUDIO

MP3

DOLBY
DIGITAL

Safety precautions

Thank you for buying this JVC LCD panel television.

To make sure you understand how to use your new TV, please read this manual thoroughly before you begin.

Important Warning

CAUTION:

A UNIT IS A CLASS 1 LASER PRODUCT. HOWEVER THIS UNIT USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE PLAYER CORRECTLY AS INSTRUCTED.

THE FOLLOWING CAUTION LABEL IS LOCATED ON THE REAR PANEL OF THE UNIT.



WHEN THIS UNIT IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENINGS TO LOOK INTO THE INSIDE OF THIS UNIT.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

• Follow this manual regarding setup!

- Connect only to a 110-240 V, 50/60Hz AC outlet.

• Make enough room for inserting and removing the power plug!

• Place the TV as close to the outlet as possible!

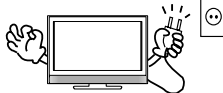
- The main power supply for this TV is controlled by inserting or removing the power plug.

• Never cut or damage the power cord!

- If the AC plug is not the right shape, or the power cord is not long enough, use an appropriate plug adapter or extension cable. (Consult your retailer)

• Unplug the power cord when going out!

- The power buttons on the remote control and the TV unit cannot completely turn off the TV. (Make appropriate arrangements for bedridden people.)



• Do not allow the TV to fall!

- Do not rest your elbows on, or allow children to hang from the TV.

- There is a risk that the TV will fall and cause injuries.

- Make use of the hole on the back of the stand to prevent the TV from falling easily.

• If the TV is damaged or behaving strangely, stop using it at once!

- Unplug the power cord and contact your retailer.

• Never place anything on the TV!

- Placing liquid, naked flames, cloths, paper, etc. on the TV may cause a fire.

• Never expose to rain or moisture!

- To prevent fire or electric shock, never allow liquids to enter the unit.

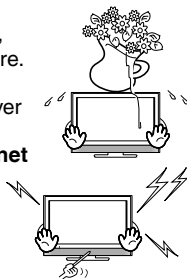
• Never insert objects into the cabinet openings!

- It may cause a fatal electric shock.

- Take care when children are near.

• Hold the TV so as not to scratch the screen!

- Do not touch the screen when carrying the TV.



• Do not carry the TV on your own!

- In order to prevent accidents, ensure that the TV is carried by two or more people.

• Never insert the power cord by wet hand!

- It may cause a fatal electric shock.

• Keep the TV set away from direct sunlight!

- TV set can be damaged.

• Place the TV set in a neat and dry place. Do not place the product close to source of steam, heat, moisture or oil. Because it may cause a fire hazard or electric shock hazard!

• For more details on installation, usage and safety → Consult your retailer.

• Don't touch an external metal part of the TV set!

- It may cause an electrocuted.

• The unit becomes warm when in operation. Do not place any covers or blankets on the unit in order to prevent overheating. The ventilation holes are not to be blocked. Do not set up near radiators. Do not place in direct sunshine. When placing on a shelf leave 10 cm free space around the whole unit. Make some space around TV (Correct shelf assembly).

• Never dismantle the rear panel!

- It may cause an electric shock.

• Never obstruct the ventilation holes!

- It may cause overheating or a fire.

• Handle LCD panel with care!

- Use a soft, dry cloth when cleaning.

• Never try repair the TV yourself!

- If the problem cannot be solved in "Troubleshooting" unplug the power cord and contact your retailer.

Safety precautions

- **If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:**

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the television on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

- **Keep away from rodents. Rodents (and also cockatiels) enjoy biting into electric flexes.**

- **The animal can cause a short cut (fire hazard!) and receive a fatal electric shock.**

- **Headphone Warning**

- Loud music can damage your hearing irreversibly, therefore do not set the volume to a high level when listening through headphones, particularly for extended listening periods.

- **If the unit is mounted on the wall, contact the shop where you purchased the unit for advice, and leave the installation work to experts. Incomplete installation work can cause you injuries.**

Possible Adverse Effects on LCD Screen: If a fixed (non-moving) pattern remains on the LCD screen for long periods of time, the image can become permanently engrained in the LCD TV panel and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your TV on for long periods of time while it is displaying the following formats or images:

- Fixed Images, such as stock tickers, video game patterns, TV station logos, and websites.
- Special Formats that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (Black bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (Black bars on left and right sides of screen).

Saving electricity

The backlight's brightness (power) can be set manually to match the surrounding illumination. At bright daylight the backlight's full power is required to perform a brilliant result. During lower illumination, e.g. at night, you set a lower backlight-brightness (see p. 13). Figures lower than 100 reduce the brightness, save energy and offer dazzle-free, fatigueless watching at night.

Contents

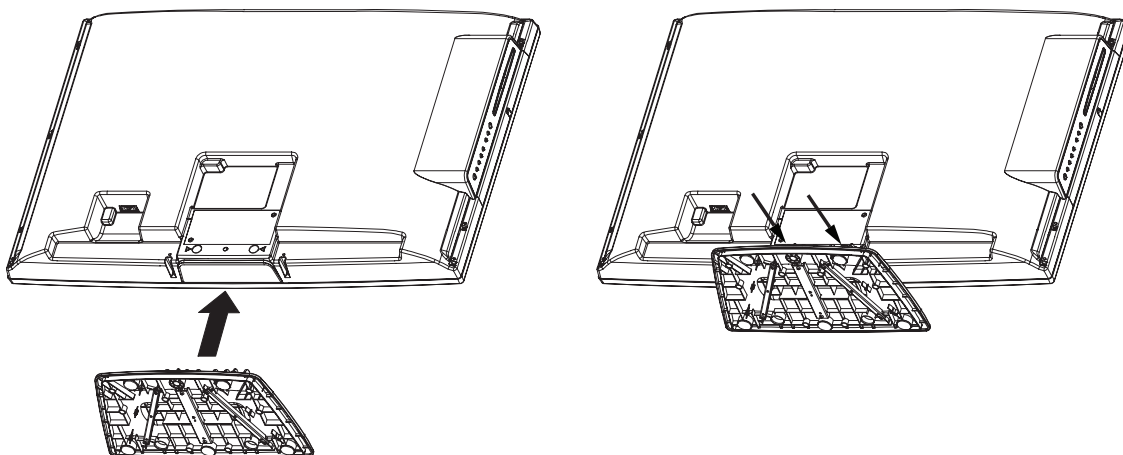
Safety precautions	2
Contents	3
How to attach the stand	4
Location of controls.....	5
Remote Control.....	6
Connections.....	8
Auto setup.....	9
Quick guide for Menu operation	9
Selecting the input source.....	9
On-screen Language Selection	10
Channel Setup	10
Basic Operation	11
Teletext	11
Stereo reception in analogue cable TV channel mode	12
Channel Lock Setup	12
Picture Format	12
Other convenience functions	13
Disc.....	15
Playing a disc.....	17
Zooming (DVD).....	18
Locating desired scene (DVD/Audio CD).....	18
Changing Soundtrack Language (DVD).....	18
Subtitles (DVD)	18
Changing angles (DVD)	19
Title selection (DVD)	19
DVD menu (DVD).....	19
Disc status	19
Using HOME MENU	19
Play mode.....	20
Audio Settings menu.....	21
Video Adjust menu.....	21
Customizing The Function Settings.....	21
Parental Control	23
Language Code List.....	24
Country/Area Code List	24
PC connection	25
Connecting an HDMI or a DVI device to the HDMI input.....	26
Connection to other equipment.....	27
Troubleshooting table.....	29
License information.....	30
Specifications	31

How to attach the stand

NOTE:

- Unplug the AC cord from the AC INPUT terminal.
- Before beginning this process, assure that TV is laid on a clean, safe, and cushioned space to avoid any damage to the unit.
- Do not touch or press the TV-screen, glass might break under pressure.
- Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.

- 1) Place the TV on its front onto a table.
- 2) Align the stand's bottom-plate (supplied) as seen here. It will fit in only one direction.
- 3) Hold the unit and attach the stand slowly. Finally secure the bottom-plate with 2 screws (included) (M6x35mm).



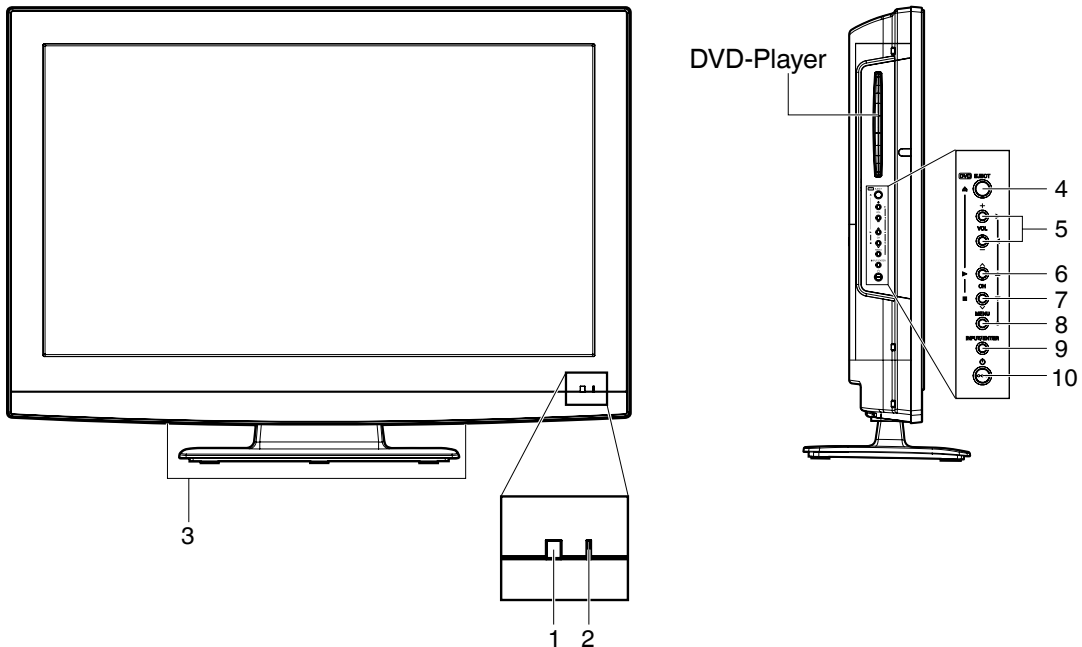
NOTE:

- To detach the stand, perform these steps in reverse order.

Dismantling the base

For wall mounting, the base must be dismantled. To do this, remove 2 screws (J, see page 8) from the back. Take off the base entirely.

Location of controls

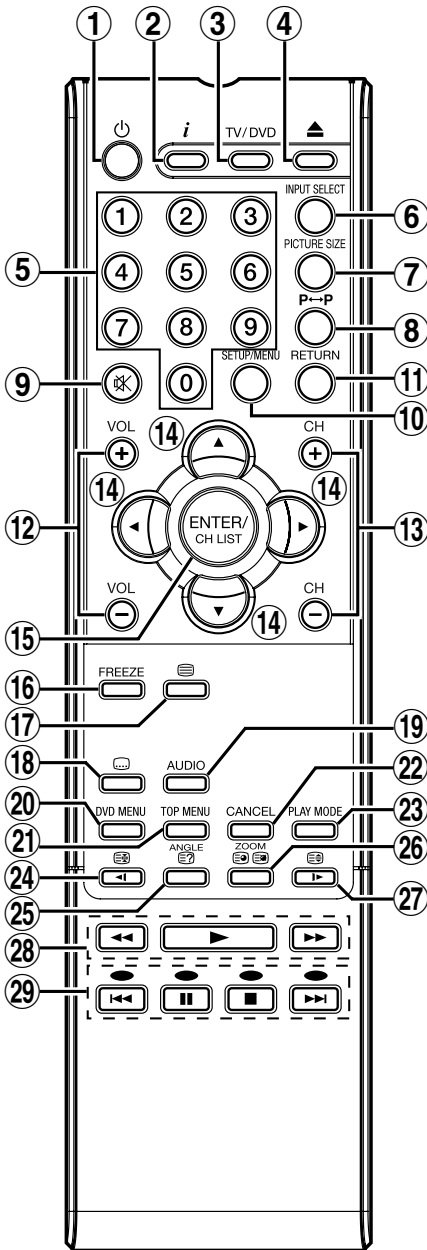


Description of Indicators and Controls

- 1. Remote sensor**
- 2. ⏻ (Standby/On) indicator:** The LED indicator lights up red in standby mode, and green in the power ON mode.
- 3. Loudspeakers**
- 4. EJECT (▲):** Eject a disc.
- 5. VOL+/-/◀/▶ buttons:** To control volume / In Menu: Setting.
- 6. CH ^/▶ (PLAY) buttons:** Press ^ to change to a higher numbered channel set into memory. DVD mode : Playback. In Menu: Setting.
- 7. CH ∨/■ (STOP) buttons:** Press ∨ to change to a lower numbered channel set into memory. DVD mode : Stop. In Menu: Setting.
- 8. MENU button:** To display the menu screen.
- 9. INPUT/ENTER button:** Select input mode. Press **INPUT/ENTER**. Then press ▲/▼ to select input source. In Menu : Using as **ENTER** button.
- 10. ⏻ (Power)-button:** Preparation: Connect AC Cord to AC110~240V, 50/60Hz.
 - If standby-LED is red, you may power-off. To power-off, press power-button 1x and release. For confirmation, standby-LED will change to dark. Power-on by remote control is not available.
 - If standby-LED is off, you may power-on. To power-on, press power-button 1x and release. For confirmation, standby-LED will change to green.

For complete disconnection from the network, remove the supplied AC Cord from the socket.

Remote Control



	Function	Page
①	Enter standby mode or turn on the power	9
②	Display program position number	11
③	Select to operate TV/DVD	17
④	Eject a disc	17
⑤	Select channel Select Teletext page Enter password Select title/chapter/track	11 11 12 20
⑥	Select an input source	9
⑦	Select picture format	12
⑧	Switches between the present channel and the last selected channel	11
⑨	Turn the sound on/off	11
⑩	Activate the menu Call HOME MENU	9 19
⑪	In menu, return 1 step / exit menu	19
⑫	Volume	11
⑬	Change the TV channel or Teletext page up or down	11
⑭	Cursor buttons	
⑮	Memorize Channel List	11
⑯	Still picture	11
⑰	Teletext ON / Text mix / OFF	11
⑱	Display the subtitle	18
⑲	Select between the available broadcast audio Change sound track language of DVD	12 18
⑳	Select menu of a DVD disc	19
㉑	Select title of a DVD disc	19
㉒	Cancel the Program Step	18, 20
㉓	Call Play Mode screen	20
㉔	Hold the text page Reverse slow motion	11 18
㉕	Reveal quiz page answers Change playback angle of a DVD disc	11 19
㉖	Sub page selection Zoom (for DVD/JPEG playback)	11 18
㉗	Teletext enlargement Forward slow motion	11 18
㉘	DVD control buttons	17
㉙	Fasttext/TOPTtext buttons DVD control buttons	11 17, 18

Remote Control

Install the batteries

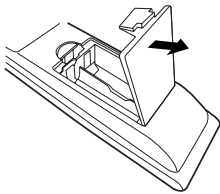
Use batteries type UM3 (AA-Size).

Do not use old or weak batteries. The remote control may not work properly with a weak voltage from such batteries. Replace exhausted batteries with new ones. Never try to recharge normal batteries - this could cause an explosion.

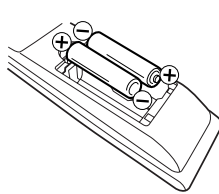
Note:

- Exhausted batteries can leak corrosive electrolyte, which may cause damage to the remote control - therefore remove exhausted batteries immediately.
- Batteries should not be exposed to excessive heat such as sunshine, fire or the like.

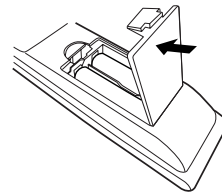
- 1** Open the battery compartment.



- 2** Install the batteries as shown below, ensuring the correct polarity.

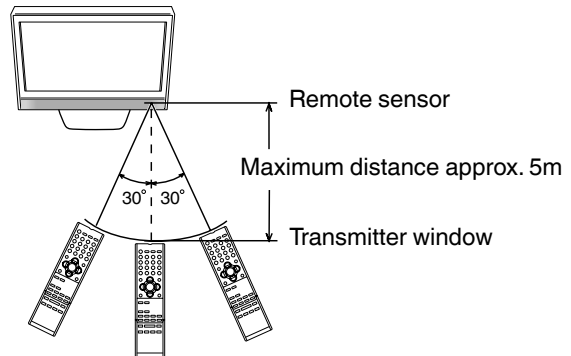


- 3** Close the battery compartment.

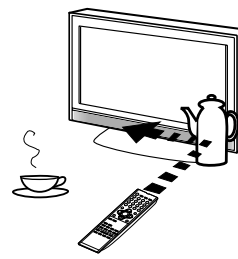
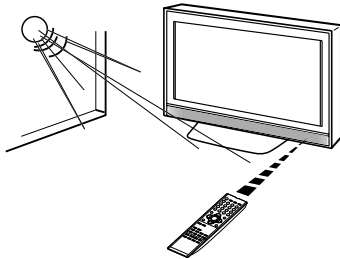


Distance of Remote Control Operation

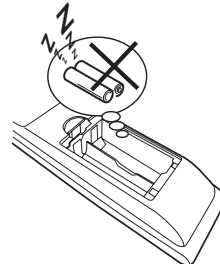
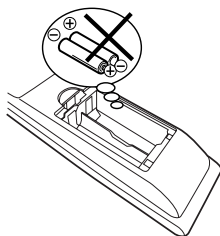
Point the remote control directly at the remote sensor.



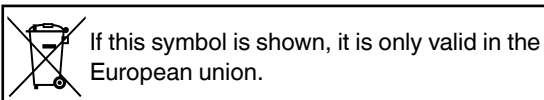
The remote control handset will not work properly in the following cases:



- a) If bright sunlight directly beams onto the unit front. b) If an obstacle is placed between the unit and the handset.



- c) If the batteries have not been installed according to their polarities. d) If the batteries are weak.



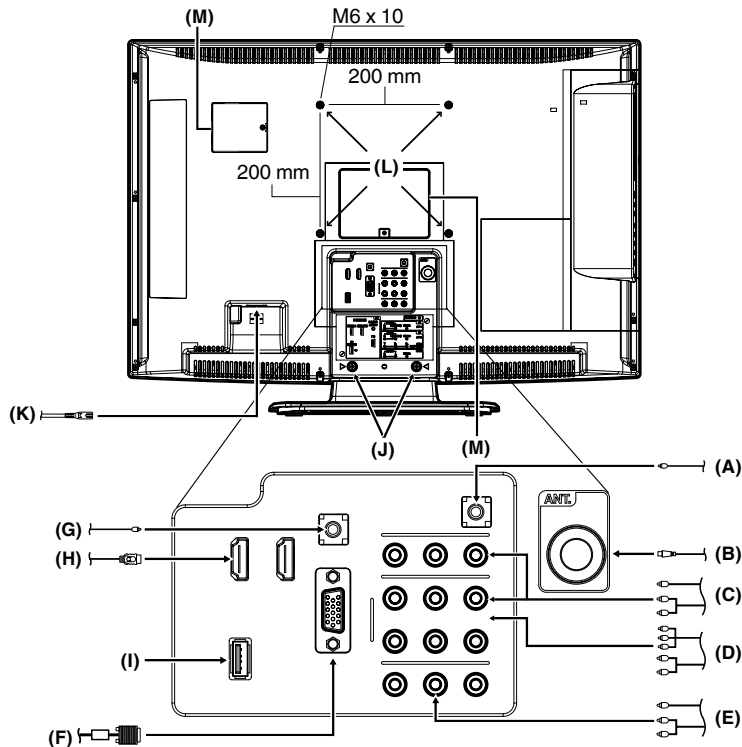
Connections

Note: Before you connect other appliances:

- To avoid potentially damaging your set, make sure all items are switched off and disconnected from the mains power when you make the connections.
- Arrange the desired connection.
- When you have finished making the connections, reconnect the mains power to the unit and switch it back on.

Connect your antenna as shown below (B). Connections to other equipment is explained further on P.27, 28. If you have problems with reception, consult a specialist of antenna.

Back Side



- (A) **HEADPHONE jack:** Plug headphones with a mini plug (3.5 mm) into this jack.
- (B) **ANT. input:** Connect to an analogue cable connection.
- (C) **AV1/AV2 input:** Input for analogue AV-Signal (Composite) See P.27, 28.
- (D) **COMPONENT input:** See P.28.
Note : AUDIO input of AV2 is sharing with COMPONENT AUDIO input.
- (E) **AV Output:** Output analogue AV-Signal (Composite) See P.28.
- (F) **PC input:** See P.25.
- (G) **PC/DVI AUDIO input:** See P.25, 26.
- (H) **HDMI1/DVI/HDMI2 input:** See P.26.
- (I) **FOR SERVICE PERSONNEL USE ONLY**
 Do **NOT** insert **ANY** USB device into this port. Use of this port by other than Service Personnel may void this products warranty.
- (J) To hang the television on a wall, remove these screws and then remove a stand. Before performing work spread cushioning over the base area to lay the TV on.
- (K) **Power supply:** Connect the supplied power cable to an AC 110-240V/50/60Hz mains power supply only - do not attempt to connect it to any other type of supply. Never try to repair a damaged AC power cord with isolation-tape - this should be repaired by a specialist or replaced. Do not let your pet loose near the cable. Animals biting into the cable could receive a fatal electric shock, and could cause a hazard to others.
- (L) **Bracket holes:** To attach a wall mounting bracket (not supplied), attach where indicated in the drawing above.
- (M) **Service connector cover:** Please do not open this cover. There is a socket only for service purpose inside.

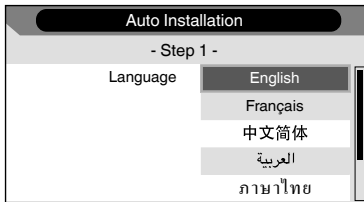
Auto setup

Your television has an Automatic Tuning System which makes tuning in your television easy. This Automatic tuning System scans the entire reception range in your area and automatically stores all available analogue channels of suitable signal strength in the correct order.

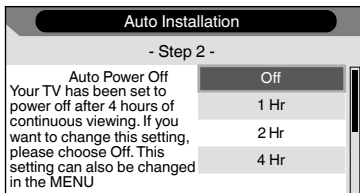
Preparation:

Press **⏻** (Power) on the unit or on the remote.

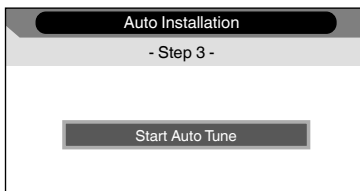
- 1 Auto Installation menu will appear. Press **▲** or **▼** to select desired language. Then press **ENTER**.



- 2 If you cancel Auto Power Off (see page 14), press **▲** or **▼** to select Off. Then press **ENTER**.



- 3 TV will search for TV-channels. Connect your antenna now. Continue with **ENTER** to start auto tuning. The tuning's progress will be displayed in percent for confirmation.



Note:

- Please be patient - the Auto Tuning process can take several minutes to complete.

- 4 When the display reads 100%, normal TV-screen will appear.

Note:

- To cancel the auto tuning, press **RETURN** during the process.

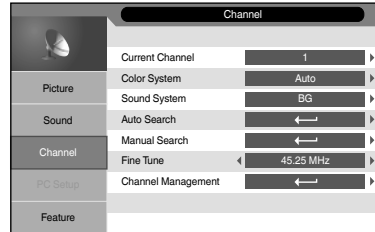
THE AUTOMATIC TUNING PROCESS WILL ONLY START BY ITSELF THE FIRST TIME YOU SWITCH THE SET ON. HOWEVER YOU CAN RESTART THIS PROCESS VIA THE MENU SYSTEM (see page 10).

- If you could not set up a correct language in this auto setup process, you will be able to make your preferred language selection as illustrated in page 10 (On-screen Language Selection).

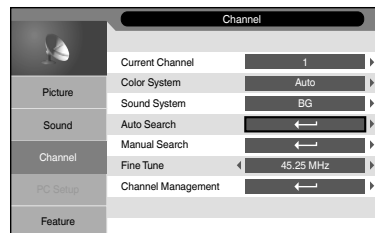
Quick guide for Menu operation

Call Menu and for example: Select "Auto Search".

- 1 Press **INPUT SELECT**. Select TV, then press **ENTER**. Press **MENU**.
- 2 Press **▲** or **▼** to select "Channel" then press **▶**.



- 3 Press **▲** or **▼** to select "Auto Search", then press **▶**.



... on the following pages the MENU can be called in the same way as here.

- 4 Press **MENU** to exit the menu.

Note:

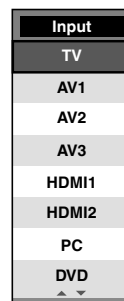
- The Menu screen disappears automatically after a defined period of time with "OSD Timer". (see page 14)

Selecting the input source

Press **INPUT SELECT** to view a signal from another device connected to your TV, such as a VCR or DVD player. You can select each input source depending on which input jacks you used to connect your devices.

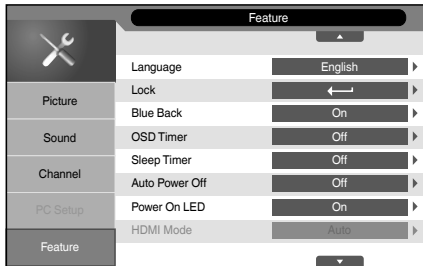
To select the video input source, press **▲/▼**, then press **ENTER**.

Each time **INPUT SELECT** is pressed, the input source toggles.

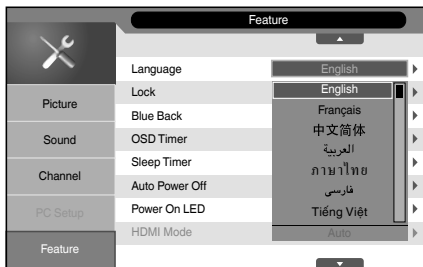


On-screen Language Selection

- 1 Press **MENU** (unless you have already selected when the set was first switched on) Then press **▲** or **▼** to select “Feature”, then press **▶**.

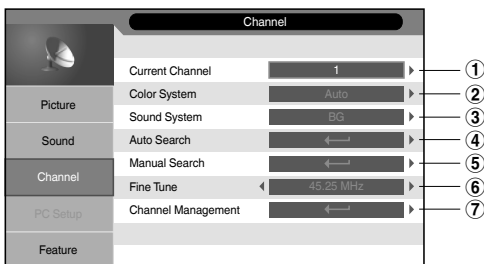


- 2 Press **▲** or **▼** to select “Language”, then press **▶**. Press **▲** or **▼** to select the desired language.



- 3 Press **MENU** to exit the menu.

Channel Setup



Preparation:

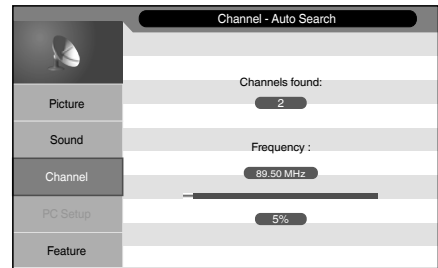
Press **MENU**. Select “Channel”, then press **▶**.

- ① Press **▶**, then press **▲** or **▼** to select the current channel, then press **ENTER**.
- ② Colour System has already been preset to Auto. Do not change anything here. Any changes can cause picture or sound disruption.
- ③ The correct sound system is already installed. Any changes can cause sound disruption.

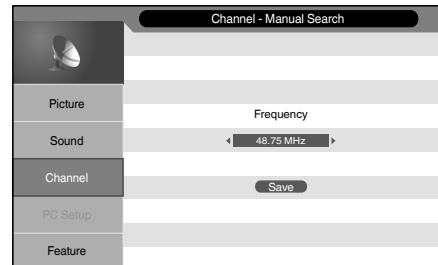
Note:

- When the TV received NTSC3.58 BG/DK or NTSC4.43 BG/DK/I signal, it is necessary to change the “Color system” or “Sound system”.

- ④ Press **▶** to start auto search.

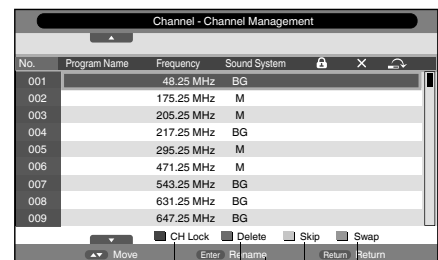


- ⑤ Press **▶**, then press **◀** or **▶** to perform intermittent search from current selected channel's frequency position. Finally, press **ENTER** on “Save”.



- ⑥ Press **◀** or **▶** to fine tune.

- ⑦ Press **▶**, then press **▲**/**▼** to select the channel that you want to input or change, then select desired option from the below of the TV-screen. Then press the appropriate coloured button on the remote control.



- a **CH Lock (red button)**: Red ✓ mark will appear. (Lock is available only when Lock is On. See page 12.)
- b **Delete (green button)**: Green ✓ mark will appear.
- c **Rename (ENTER button)**: You can input or change the name of a channel on the cursor screen with **▲**/**▼**, **ENTER** and **Red/Green/Yellow** buttons.
- d **Skip (yellow button)**: Yellow ✓ mark will appear.
- e **Swap (blue button)**: Press **▲** or **▼** to select the position that you want to swap the channel with, then press **Blue**.

Basic Operation

Channel selection

With the **Numbered buttons (0-9)**.

Example:

- No. 2: Press **2**.
- No. 29: Press **2** and within 2 seconds, press **9**.
- No. 929: Press **9**, **2**, **9** same as above.

Press **CH + or -** to change up or down a channel. This takes approx. 2 seconds. If the auto search only stored 5 stations, only these 5 will appear. Skipped channels will not appear (see P.10).

Channel List

The Channel List shows a list of all receivable programmes.

Press **CH LIST** to display the Channel List.

Press **▲** or **▼** to select the desired channel.

Press **CH LIST** to display the selected channel.

Note:

- To display the programmes on the channel list, it is necessary to input the programme name in "Channel Management" mode (see page 10).

Information display

Press **i**. The program information will appear for approx. 4 seconds.

QuickView

P←P button allows you to go back to the last selected TV channel.

- This feature is not available in external input mode.

MUTING

Press **M**. The sound will be cut off.

The muting can be released by pressing **M** again or **VOL +** or **-**.

Still picture

Press **FREEZE** to make a still picture. To cancel the still picture, press **FREEZE** again.

Note:

- The still picture function is not available for 1080p (50Hz/60Hz)-input mode.
- During still picture mode, PICTURE SIZE feature is not available. (If you press **PICTURE SIZE**, still picture mode will be canceled.)

Note:

- During TV or external input mode (except PC input mode), if there is no signal reception, the TV will change to standby after approx. 15 minutes (in PC input mode: 2 minutes).
- Some functions are activated and de-activated with the same key. Others require **RETURN** key for de-activating.

Teletext

Teletext is sent page by page. This unit is able to automatically store up to 899 pages, but they can only be accessed once they have been stored. This can take a few moments.

TXT Language menu allows the installation of the teletext language.

The languages displayed are only those supported by the channel.

Fasttext/TOptext

The Fasttext/TOptext is teletext with a special directory. On the lower part of the screen there are four different coloured fields (red, green, yellow and blue). These fields lead directly to the pages shown within. The coloured buttons on the remote control correspond to the coloured fields. Press the appropriate coloured button in order to activate the desired colour field.

Switch on / off Teletext

Teletext is not transmitted by all channels.

Select a channel that shows teletext.

Press **Teletext**. You will now see a teletext page.

(If "100" is shown without any text information, it may mean that the channel you have selected does not support teletext.)

Press **Teletext** again. Teletext and TV picture are shown simultaneously.

Press **Teletext** again in order to switch off teletext.

Press **Teletext** again in order to switch on teletext again. The last page which was stored is now shown.

Note:

- You cannot select any other channels as long as teletext is switched on. Switch teletext off when you want to switch over to another channel.

Select Page

Press **CH + or -** until the page you desire appears. Or ... enter the requested page number by using the **10 Number Buttons**.

And if you mistype something, just enter the complete 3-digit wrong page number then enter the desired number again. Or ... press one of the coloured teletext buttons so that a page from Fasttext/TOptext is shown.

Hold Pages

Some pages are divided up into subpages by the channel. Subpages are automatically shown in turn, as they are transmitted. In order to hold the page, press **Hold**. Press **Hold** again in order to display the next subpage.

Directly Select Subpages

You can directly select the subpages if required. You may use one of two operations.

1. Press **Subpage** in order to select subpage 2. 0 0 0 0 is shown. Enter **0 0 0 2**. It can take a minute before subpage 0002 appears. Press **Subpage** again in order to switch off the subpage feature.

Or:

2. Wait a few seconds, and the right now available subpages will be shown in the bottom line. Select your page with **◀** or **▶**.

Enlargement

In order to enlarge the display, press **Enlarge**.

Either the upper or lower half of the screen is enlarged.

Each time you press **Enlarge** you switch between the display of the upper or lower half of the screen or the full picture.

Answering Quiz Questions

Some pages contain quiz questions with concealed answers.

Press **Answers** in order to show the answers.

Stereo reception in analogue cable TV channel mode

You can see the each signal type of STEREO, MONO and Sound multiplex on the TV-screen when you press **i**.

When 2-channel sound reception is available, you can select your preferred audio with the AUDIO.

Each time you press **AUDIO**, the sound channel will switch to the alternative channel available.

Note:

- In case of bad reception, the stereo sound also can be disturbed.
- The broadcast sound type may not be saved if Power off.

Channel Lock Setup

- 1 Press **MENU**. Select Lock option in "Feature" menu, then press **▶**.
- 2 'Password' will appear. Press '0 0 0 0' using the **Number buttons (0-9)**. (This is the default password.)

Lock: To activate the "Lock" feature in "CH Lock", select On with **▲/▼**, then press **ENTER**.

Change PIN Code:

- Old Password
Enter the current password with Number buttons.
- New Password
Enter your chosen new password (please call Service, if you have forgotten the new number).
- Confirm New Password
After you have entered the new password, you need to enter the same password again for confirmation.

- 3 Press **RETURN** several times to return to the normal screen.

While toggling between channels, if a channel which you have set the Lock to On is selected, the channel will be locked. The password entering screen will appear. Then enter the password to view that channel.

Picture Format

Picture Size

The required picture format can be set by pressing the **PICTURE SIZE** button. Press **PICTURE SIZE** until the required format is displayed.

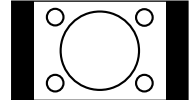
You move through the following formats when you press the button: 4:3, 16:9, Cinema, Real (HDMI mode only).

Other formats

Press **PICTURE SIZE** until the desired size is reached.

4:3

The picture is displayed in 4:3 format with black bars to the right and left.



16:9

The width of the picture will be zoomed evenly.

Cinema

Use Cinema to increase a small 4:3 letterbox signal.



4:3 Letterbox picture increased to Cinema format.

Real (HDMI mode only)

All images are displayed on the TV screen of 16:9 ratio without overscanning.



Note:

- In PC mode, the picture size feature is available only for 16:9 or 4:3 format.

Other convenience functions

You can change the default settings to convenience use.

Selected Items	Setup hint										
Picture											
<table border="1"> <tr> <td colspan="2" data-bbox="230 305 696 343">Picture Mode</td> </tr> <tr> <td data-bbox="348 343 696 382">Standard</td> <td data-bbox="696 343 1236 382">Standard picture quality (factory-set)</td> </tr> <tr> <td data-bbox="348 382 696 421">Dynamic</td> <td data-bbox="696 382 1236 421">Enhanced picture contrast and sharpness (factory-set)</td> </tr> <tr> <td data-bbox="348 421 696 459">Natural</td> <td data-bbox="696 421 1236 459">Intended for bad-quality signals (factory-set)</td> </tr> <tr> <td data-bbox="348 459 696 490">Favorite</td> <td data-bbox="696 459 1236 490">Your personal preferences</td> </tr> </table>	Picture Mode		Standard	Standard picture quality (factory-set)	Dynamic	Enhanced picture contrast and sharpness (factory-set)	Natural	Intended for bad-quality signals (factory-set)	Favorite	Your personal preferences	
Picture Mode											
Standard	Standard picture quality (factory-set)										
Dynamic	Enhanced picture contrast and sharpness (factory-set)										
Natural	Intended for bad-quality signals (factory-set)										
Favorite	Your personal preferences										
Brightness / Contrast / Sharpness / Color / Tint (available only when you selected "Favorite" at Picture Mode)	You can adjust the picture to your preference. <ul style="list-style-type: none"> • Tint is available in NTSC-signal mode or Component/ HDMI-signal with 60Hz. • In PC mode, Sharpness and Tint are not available. 										
Backlight (available only when you selected "Favorite" at Picture Mode)	You can use the Backlight feature to adjust the screen brightness for improved picture clarity.										
Color Temperature	Normal (Neutral) / Warm (Reddish) / Cool (Bluish)										
<table border="1"> <tr> <td colspan="2" data-bbox="230 716 696 755">Noise Reduction</td> </tr> <tr> <td data-bbox="348 755 696 877">Off / Low / Middle / High</td> <td data-bbox="696 716 1236 877"> Sometimes it is not possible to input a high-quality HD signal. The actual signal input is too small and noisy, e.g. a video film in letterbox format, or a noisy analogue cable TV signal. This feature can slightly reduce interferences caused by the faulty input signal. <ul style="list-style-type: none"> • This option is not available in 1080i/p and PC mode. </td> </tr> </table>	Noise Reduction		Off / Low / Middle / High	Sometimes it is not possible to input a high-quality HD signal. The actual signal input is too small and noisy, e.g. a video film in letterbox format, or a noisy analogue cable TV signal. This feature can slightly reduce interferences caused by the faulty input signal. <ul style="list-style-type: none"> • This option is not available in 1080i/p and PC mode. 							
Noise Reduction											
Off / Low / Middle / High	Sometimes it is not possible to input a high-quality HD signal. The actual signal input is too small and noisy, e.g. a video film in letterbox format, or a noisy analogue cable TV signal. This feature can slightly reduce interferences caused by the faulty input signal. <ul style="list-style-type: none"> • This option is not available in 1080i/p and PC mode. 										
Reset	Select "Reset" to reset Picture options to the factory preset values.										
Sound											
<table border="1"> <tr> <td colspan="2" data-bbox="230 967 696 1006">Sound Mode</td> </tr> <tr> <td data-bbox="348 1006 696 1070">Standard / Movie / Music / Speech / Favorite</td> <td data-bbox="696 967 1236 1070"> You can change the sound mode setting. If you select "Favorite", you can change the setting of Bass and Treble and TV memorizes your setting. </td> </tr> </table>	Sound Mode		Standard / Movie / Music / Speech / Favorite	You can change the sound mode setting. If you select "Favorite", you can change the setting of Bass and Treble and TV memorizes your setting.							
Sound Mode											
Standard / Movie / Music / Speech / Favorite	You can change the sound mode setting. If you select "Favorite", you can change the setting of Bass and Treble and TV memorizes your setting.										
Bass / Treble / Balance (Bass / Treble are available only when you selected "Favorite" at Sound Mode)	You can adjust the sound quality to your preference.										
<table border="1"> <tr> <td colspan="2" data-bbox="230 1153 696 1192">Surround</td> </tr> <tr> <td data-bbox="348 1192 696 1282">On / Off</td> <td data-bbox="696 1153 1236 1282"> The Surround-Sound feature processes the audio signal to expand the listening field wider and deeper to create a 'pseudo surround-sound' from the TV's speakers. The feature works with stereo signals from TV broadcast or AV input. </td> </tr> </table>	Surround		On / Off	The Surround-Sound feature processes the audio signal to expand the listening field wider and deeper to create a 'pseudo surround-sound' from the TV's speakers. The feature works with stereo signals from TV broadcast or AV input.							
Surround											
On / Off	The Surround-Sound feature processes the audio signal to expand the listening field wider and deeper to create a 'pseudo surround-sound' from the TV's speakers. The feature works with stereo signals from TV broadcast or AV input.										
<table border="1"> <tr> <td colspan="2" data-bbox="230 1282 696 1321">Stable Sound</td> </tr> <tr> <td data-bbox="348 1321 696 1354">On / Off</td> <td data-bbox="696 1282 1236 1354"> This will automatically adjust volume so each channel and input has the same average volume level. </td> </tr> </table>	Stable Sound		On / Off	This will automatically adjust volume so each channel and input has the same average volume level.							
Stable Sound											
On / Off	This will automatically adjust volume so each channel and input has the same average volume level.										
Reset	Select "Reset" to reset Sound options to the factory preset values.										
Channel	See page 9-10.										

Other convenience functions

Selected Items	Setup hint
PC Setup	See page 25.
Feature	
Language	See page 10.
Lock	See page 12.
Blue Back On / Off	On: You can set the TV to automatically change to a blue screen and mute the sound if the signal is weak or absent.
OSD Timer 5/10/15/20/25/30 sec / Off	OSD is cleared automatically as per this setting. But if you select "Off", OSD is not cleared automatically. (Press RETURN to clear.) • "CH LIST" and "INPUT SELECT" OSD will disappear after 5 seconds in spite of this setting.
Sleep Timer Off/15/30/45/60 Min	Sleep Timer switches the TV to standby after a defined period of time. To cancel the Sleep Timer, set to "Off".
Auto Power Off Off/1/2/4 Hr	When the Set and Remote key operation are not operated with specified period by this setting(1/2/4 Hr), the power status is changed to stand by mode automatically.
Power On LED On / Off	To cancel the lighting of indicator (P.5 (2)) during operation, set to "Off".
HDMI Mode	See page 26.
Reset to Default	Press ▶ to enter the Reset to Default screen. Press ◀ to select "OK", then press ENTER . Reset the TV function will now begin, and this unit will automatically turn off.
TXT Language	See page 11.
Software Version	If you press ▶ , the μ -com's software version is displayed.

Disc

The loaded Disc (DVD and Audio-CD) will be recognized automatically.

The suitable disc formats are: DVD-Video, DVD-R/-RW (Video format only), Audio CD, Fujicolor CD and CD-R/CD-RW.

Some CD-R/RW discs may be incompatible.

- This unit can play an 8cm disc. Please do not use a disc adapter. It may cause trouble.
- Please do not insert any disc of an irregular shape into the unit, as it may interfere with the function of the unit. You may not be able to remove it.
- If you tilt or move the unit while DVD or CD discs are placed inside, your discs may be damaged.
- Please do not use after market accessories, such as a ring protector, as this may cause trouble with the operation of the unit.
- Use only UDF (Universal Disc Format) discs for recording.
- When you play a movie that has been edited with a DVD recorder (partially deleted, etc), it may be paused for a moment where edited.
- When you play a movie that has been edited with a DVD recorder or such, it may not be played exactly as you edited it.

Disc type and logo mark	content
DVD Video	Audio + Video (moving pictures)
CD-DA	Audio
The following discs are also available. <ul style="list-style-type: none"> • DVD-R/RW discs of DVD video format and MP3/WMA/JPEG. • CD-R/RW discs of MP3/WMA/JPEG. 	

Do not play DVD-ROM, DVD-Audio, CD-G, Video CD, SVCD or Photo CD to prevent accidental erasure of prerecorded material.

Region code of DVD VIDEO

DVD VIDEO players and DVD VIDEO discs have their own region code numbers. This system can play back a DVD VIDEO whose region code number includes the system's region code, which is indicated on the rear panel of the main unit.

Examples:



If a DVD VIDEO with an improper region code number is loaded, playback cannot start.

Title

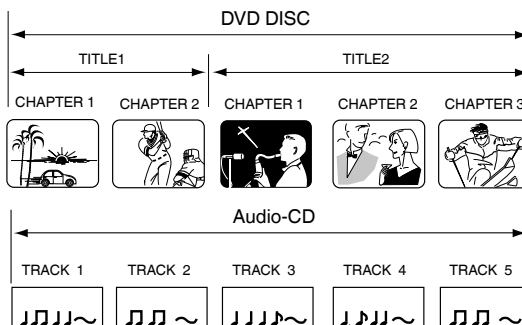
When two or more movies are recorded on a disc, the disc is divided into two or more sections. Each section is called a "TITLE".

Chapter

The titles can be subdivided into many sections. Each section is called a "CHAPTER".

Track

An Audio CD can contain several items. These are assigned to tracks.



Removing Disc from Case

Be sure to hold the edge of disc. Do not touch the surface of the disc.

Pick up the disc gently from the case.

- Do not scratch the disc.
- Do not get dirt on the surface of the disc.
- Do not stick a label or adhesive tape on the disc.
- Do not drop or bend the disc.

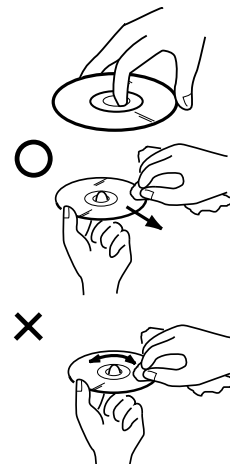
Storing Disc

- Store the disc in the case to avoid risk of scratches, dirt or damage.
- Do not leave disc exposed to direct sunlight or in hot or humid places.

Cleaning Disc

Wipe the disc with a clean, dry cloth from center to edge.

- Do not wipe in circular direction.
- Do not use liquid or aerosol cleaners.



Disc

PC-created disc compatibility

- You may not be able to play discs recorded using a personal computer or recorder for disc compatibilities, scratches or marks on the disc, dirty lenses of the unit or condensation and so on.
- Discs recorded using a personal computer may not be playable in this unit due to the setting of the application software used to create the disc. In these particular instances, check with the software publisher for more detailed information.

Playable files

- ISO 9660 Level 1 or 2 compliant. Romeo and Joliet file systems are both compatible with this player.
- DRM (Digital Rights Management) protected files will not play in this player. For detailed information, please see the instruction manuals or help files that came with your PC and/or software.
- File structure (may differ): Up to 299 folders on a disc; up to 648 files within each folder
- Folder and file names can be displayed as long as they are typed in alphabets and numbers. If folder and file names are other than alphabets and numbers, they may be replaced and displayed as “_”. Garbled characters may also be displayed in this case.

Playing image files

JPEG files recorded in DVD-R/-RW and CD-R/-RW can be played.

JPEG file compatibility

- Image files should be saved in JPEG format.
- Files recorded in Fuji Colour CD or CD-R/-RW can be played.
- Compatible formats: Baseline JPEG and EXIF 2.2* still image files up to a resolution of 3072 x 2048.
*File format used by digital still cameras.
- Files with extensions .jpg or .JPG can be played.
- Progressive JPEG formatted files do not work.
- It may take some more time to start to play larger files than usual.
- JPEG files with different aspect ratio may be displayed with black bands (either vertical or horizontal).

Playing Audio files

WMA and MP3 files recorded in DVD-R/-RW, CD-R/-RW can be played.

Windows Media Audio (WMA) compatibility

- WMA is an acronym for Windows Media Audio and refers to an audio compression technology developed by Microsoft Corporation.
- You can encode your files by using Windows Media Player Ver.7, 7.1, Windows Media Player for Windows XP or Windows Media Player 9 Series.
- When encoding your files, use only applications approved by Microsoft Corporation. If you use non-approved application, it may not work properly.
- This unit is compatible with audio files recorded with the following sampling frequency: 32 kHz, 44.1 kHz and 48 kHz.
- It is not compatible with loss-less encoding.
- Files with extensions .wma or .WMA can be played.

Playing MP3 (MPEG-1 Audio Layer-3) files

- This unit is compatible with audio files recorded with the following sampling frequency: 32 kHz, 44.1 kHz and 48 kHz.
- Files with extensions .mp3 or .MP3 can be played.
- For the best quality of sound, 128 kbps or higher bit rate is recommended.

Copy Control CD (CCCD)


This product is designed to conform to CD-DA (Compact Disc Digital Audio). Any other discs than CD-DA are not guaranteed with their operation and performance in this product.

Playing a disc

This section shows you the basics on how to play a disc.

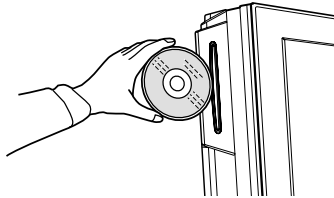
Basic playback (DVD/Audio CD)

Preparation


Make sure that the  (**Power**) key on the unit is pressed (ON). (The Standby/On indicator lights up.)



1 Press **TV/DVD** on the remote control to select the DVD mode.


2 Place the disc in the disc slot with the label side facing forward. (If the disc has a label.)





- Do not place a disc which is unplayable in this unit.

3 On the TV-screen,  changes to "Loading" and then playback commences.

- A menu screen will appear on the TV screen if the disc has a menu feature.
- Press / to select title, then press **ENTER**. Title is selected and play commences.

4 Press  to end playback.

- The unit can record where you stop a video, but it depends on a disc you are using. Press **PLAY** () to resume a playback point. The unit can store a memory of stopped point of last five discs that you have played. When one of these discs is next loaded, you can resume playback from where you stopped playing last time.
- If you press  again ("Resume off" appears on the screen.), the unit will clear the memory of its stopped point.
- It is only DVD videos that a stopped point can be stored in the unit with.
- You cannot save a stopped point for some discs. If a number of discs played and stored in the unit exceeds five, a new memory will overwrite the old stored memory.


To start playback in the stop mode


Press **PLAY** ()

Note:

- **If the unit does not operate properly:** Static electricity, etc., may affect the player's operation. Disconnect the AC power cord once, then connect it again.
- If a disc is inserted during some modes other than DVD mode, it may switch to DVD mode and then playback may be begun automatically.

To pause playback (still mode)

Press  during playback.


To resume normal playback, press **PLAY** ()

- The sound is muted during still mode.



To stop playback

Press .


To remove the disc

Press .



Remove the disc after the disc comes out.

- Using inferior discs may result that you cannot remove the disc. In this case, press **PLAY** () to play the disc and then press **EJECT** .

Note:



- If a non-compatible disc is loaded, "Can't play disc" or "Incompatible disc region number Can't play disc" will appear on the TV screen according to the type of loaded disc. In this case, check your disc again (see page 15).
- Some discs may take a minute or so to start playback.
- When you set a single-faced disc label backwards (i.e. the wrong way), "Loading" will appear on the display for a few minutes and then "Can't play disc" will continue to be displayed.
- Some playback operations of DVDs may be intentionally fixed by software producers. Since this unit plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the DVDs.
- Do not move the unit during playback. Doing so may damage the disc.
- In many instances, a menu screen will appear after playback of a movie is completed. Prolonged display of an on-screen menu may damage your television set, permanently etching that image onto its screen. To avoid this, be sure to press  (Power) on your remote control once the movie is completed.
- There may be a slight delay between the button is pressed and the function activates.

Playing in fast reverse or fast forward directions (DVD/Audio CD)

Press  or  during playback.

: Fast reverse playback

: Fast forward playback

Each time you press  or , the playback speed changes.


To resume normal playback



Press **PLAY** ()

Note:

- The unit mutes sound during reverse and forward scan of DVD discs.
- The playback speed may differ depending on the disc.

Playing frame by frame (DVD)

Press  during playback.

Each time you press  or , the picture advances one frame.

To resume normal playback

Press **PLAY** ()

Note:

- The sound is muted during frame by frame playback.

Playing in slow-motion (DVD)

Press ◀ or ▶ during playback.
Each time you press ◀ or ▶, the slow-motion speed changes.

To resume normal playback

Press **PLAY** (▶).

Note:

- The sound is muted during slow-motion playback.

Locating a chapter or track (DVD/Audio CD)

Press I◀◀ or ▶▶ repeatedly to display the chapter or track number you want.

Press ▶▶ to playback starts from the selected chapter or track.

Press I◀◀ to locate succeeding chapters or tracks.

Playback starts from the beginning of the current chapter or track.

Note:

- A prohibition message “Depending on the disc, this operation may be prohibited” or “This operation can’t be performed” may appear at the screen. This message means either the feature you tried is not available on the disc, or the unit cannot access the feature at this time. This does not indicate a problem with the unit.

Zooming (DVD)

This unit will allow you to zoom in on the frame image. You can then make selections by switching the position of the frame.

1 Press **ZOOM** during playback.

The centre part of the image will be zoomed in. Each press of **ZOOM** will change the Zoom 2x and 4x.

2 Press ▲/▼/◀/▶ to view a different part of the frame.

You may move the frame from the centre position to UP, DOWN, LEFT or RIGHT direction.

3 In the zoom mode, press **ZOOM** repeatedly to return to a 1:1 view.

Note:

- You can select the Pause or Slow in the zoom mode.
- Some discs may not respond to zoom feature.

Locating desired scene (DVD/Audio CD)

Use the title, chapter or track recorded on the disc to locate the desired point to playback.

To check the title and chapter/track, press **i**.

1 Press **Number buttons (0–9)** to input the number during playback or stop mode.

- If you input a wrong number, press **CANCEL**.
- Refer to the package supplied with the disc to check the numbers.

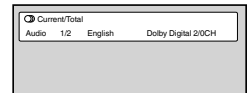
2 Press **ENTER**. Playback starts.

- When you change the title, playback starts from Chapter 1 of the selected title.
- Some discs may not work in the above operation.

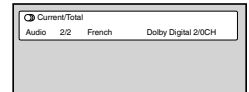
Changing Soundtrack Language (DVD)

You can select the language when you play a multilingual disc.

1 Press **AUDIO** during playback.
The current soundtrack language will appear.



2 Press **AUDIO** repeatedly until the desired language is selected.

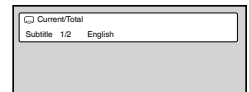


- The on screen display will disappear after a few seconds.

Subtitles (DVD)

When playing back a disc recorded with subtitles, you can select the subtitle language or turn the subtitle off.

1 Press **⏏** repeatedly during playback until the desired language is selected.



2 To turn off the subtitle, press **⏏** until “Off” appears.



- The on screen display will disappear after a few seconds.

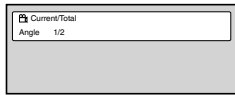
Note:

- If the desired language is not heard after pressing the button several times, the language is not recorded on the disc.
- The selected soundtrack language is cancelled when you eject the disc. The initial default language or available language will be heard if the disc is played back again. It does not go back to the initial default language if the unit has a resuming memory.
- Depending on the DVD, you may not be able to change subtitles, or to turn subtitles on or off.
- While playing a DVD, the subtitle may change when you loaded or eject the disc.
- In some cases, a selected subtitle language may not be changed immediately.
- There will be no sound output if DTS audio is selected on the disc. In this case, select other usable audio format, such as Dolby Digital, PCM, or etc.

Changing angles (DVD)

When playing back a disc recorded with multi-angle facility, you can change the angle that you are viewing the scene from.

- 1 Press **ANGLE** during playback.
The current angle will appear.



- 2 Press **ANGLE** repeatedly until the desired angle is selected.

Note:

- Depending on the DVD, you may not be able to change the angles even if multi-angles are recorded on the DVD.

Title selection (DVD)

Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.

- 1 Press **TOP MENU** during playback.
Title menu appears on the screen.
- 2 Press **▲/▼/◀/▶** to select the desired title.
- 3 Press **ENTER**.
The playback of the selected title will start.

Note:

- Some DVDs allow you to select the disc contents using the menu.
- When you playback these DVDs, you can select the subtitle language and soundtrack language, etc. using the menu.

DVD menu (DVD)

Two or more titles are recorded on some discs. If the title menu is recorded on the disc, you can select the desired title.

- 1 Press **DVD MENU** during playback.
The DVD menu appears on the screen.
 - Press **DVD MENU** again to resume playback at the scene when you pressed **DVD MENU**.
- 2 Press **▲/▼/◀/▶** to select the desired item.
- 3 Press **ENTER**.
The menu continues to another screen. Repeat steps 2 and 3 to set the item completely.

Note:

- Depending on the DVD, you may not be able to resume playback from the scene point when you press **DVD MENU**.

Disc status

With press of **i**, the status of the disc will appear on the screen. To cancel the display, press **i** repeatedly.

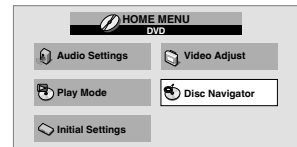
- Display messages may change at every time when you press **i** for some discs or files.

Using HOME MENU

Playing a disc

- 1 Press **SETUP** during stop mode.
HOME MENU will appear.

- 2 Press **▲/▼/◀/▶** to select "Disc Navigator", then press **ENTER**.



- 3 Press **▲/▼** to select desired option, then press **ENTER**.

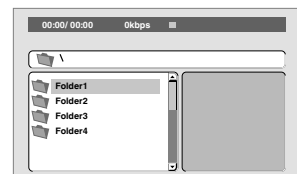
- Some discs may not work Disc Navigator.
- Depending on a disc, you can select Title, Chapter, or both.



- 4 Press **▲/▼/◀/▶** or **Number Buttons (0-9)** to select Title or Chapter, then press **ENTER**.
 - Press **▶▶** or **◀◀** to move next/previous page.
 - Press **RETURN** to go to previous step.

Playing a file

- 1 Press **SETUP** during stop mode.
HOME MENU will appear.
- 2 Press **▲/▼/◀/▶** to select "Disc Navigator", then press **ENTER**.
- 3 Press **▲/▼** to select folder, then press **ENTER**.



- 4 Press **▲/▼** to select file, then press **ENTER**.
 - If you select JPEG file, unit shows the pictures one after another automatically.
 - You can rotate the picture in JPEG playback using **ANGLE** or **▲/▼/◀/▶** as follows.
 - ANGLE**: Rotate clockwise by 90-degree.
 - ▶: Rotate clockwise by 90 degree.
 - ◀: Rotate counterclockwise by 90-degree.
 - ▲: Turn around up and down.
 - ▼: Turn around right and left.
 - Press **RETURN** to return to previous step screen.
 - Press **SETUP** to exit the menu.

Note:

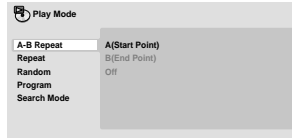
- When music files and JPEG files are recorded in one disc, you can play simultaneously. Please select the music file then select the JPEG file.

Play mode

A-B repeat playback

A-B repeat playback allows you to repeat selection between two selected points.

- 1 Press **PLAY MODE** during playback. Play Mode screen will appear.
- 2 Press **▲/▼** to select "A-B Repeat", then press **▶** or **ENTER**.
- 3 Press **▲/▼** to select "A(Start Point)", then press **ENTER**. The start point is selected.
- 4 Press **▲/▼** to select "B(End Point)", then press **ENTER**. The end point is selected. Playback starts at the point that you selected. Playback stops at the end point and returns to Point A automatically, then starts again.



To resume normal playback

Select "Off" in step 3.

Note:

- Some discs may not work Play mode function.
- A-B Repeat playback does not work with MP3/WMA CD.

Repeat playback

- 1 Press **PLAY MODE** during playback. Play Mode screen will appear.
- 2 Press **▲/▼** to select "Repeat", then press **▶** or **ENTER**.
- 3 Press **▲/▼** to select desired repeat option, then press **ENTER**. The unit automatically starts repeat playback after finishing the current title or chapter.

To resume normal playback

Select "Repeat Off" in step 3.

Note:

Some discs may not work with the repeat operation.

Random playback

- 1 Press **PLAY MODE** during playback. Play Mode screen will appear.
- 2 Press **▲/▼** to select "Random", then press **▶** or **ENTER**.
- 3 Press **▲/▼** to select desired random playback option, then press **ENTER**. The unit automatically starts random playback.

To resume normal playback

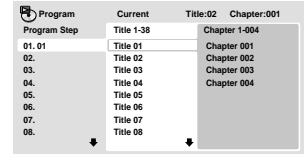
Select "Random Off" in step 3.

Note:

- During Random playback, it may repeat the same title, chapter or track.
- In stop mode, you can also enter Play Mode screen by selecting "Play Mode" in HOME MENU.

Program playback

- 1 Press **PLAY MODE** during playback. Play Mode screen will appear.
- 2 Press **▲/▼** to select "Program", then press **▶** or **ENTER**.
- 3 Press **▲/▼** to select "Create/Edit", then press **ENTER**. "Create/Edit" display differs, depending on discs or files.
- 4 Press **▲/▼/◀▶** to select Title, Chapter or Track, then press **ENTER**.
 - When you add a program, find where you want to add it (Program Step) and select Title, Chapter or Track then press **ENTER**. (It will be added to the bottom if File is added.)
 - To go to previous step, press **RETURN**.
 - To delete a program, select Program Step that you want to delete and press **CANCEL**.
- 5 Press **PLAY (▶)**.
 - To play existing programmed contents, select "Playback Start" from Play Mode screen and press **ENTER**.
 - To delete all programmed contents, select "Program Delete" in Play Mode screen and press **ENTER**.

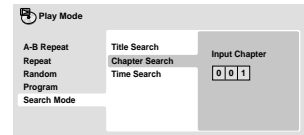


Note:

- You can repeat the programmed contents. Select "Program Repeat" from "Repeat" in the Play Mode screen during Program playback.
- In stop mode, you can also enter Play Mode screen by selecting "Play Mode" in HOME MENU.

Locating desired scene

- 1 Press **PLAY MODE** during playback. Play Mode screen will appear.
- 2 Press **▲/▼** to select "Search Mode", then press **▶** or **ENTER**.
- 3 Press **▲/▼** to select desired search mode option, then press **▶** or **ENTER**.
 - Search Mode options differs, depending on discs or files.
- 4 Input Title, Chapter, Track or Folder number or Time by using **Number buttons (0-9)** and press **ENTER**.
 - For instance, if you want to enter 1hr 4min (64:00), input 6, 4, 0, 0.



Note:

- You can locate desired scene in Menu screen for some DVD video.
- In stop mode, you can also enter Play Mode screen by selecting "Play Mode" in HOME MENU.

Audio Settings menu

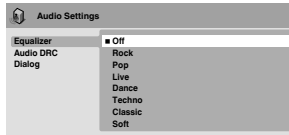
The Audio Settings menu offers features for adjusting the way discs sound.

- 1 Press **SETUP** during stop mode. HOME MENU will appear.

- 2 Press **▲/▼/◀/▶** to select "Audio Settings", then press **ENTER**.



- 3 Press **▲/▼/◀/▶** to setting the option, then press **ENTER**.



- 4 Press **SETUP** to save the setting.

Equalizer

Select the most suitable setting to match a category of music that you are listening to.

Audio DRC

- Loud sound level goes down and quiet sound level goes up while playing. This is useful, for instance, when you watch a film in the late night.
- It only works with Dolby Digital Sound.

Dialog

Adjust setting when you cannot hear dialogs very well.

Note

- It may not be very effective for some discs or files.

Video Adjust menu

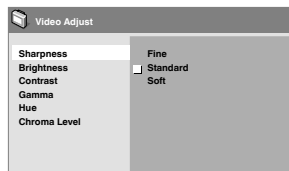
From the Video Adjust menu you can adjust various settings that affect how the picture is presented.

- 1 Press **SETUP** during stop mode. HOME MENU will appear.

- 2 Press **▲/▼/◀/▶** to select "Video Adjust", then press **ENTER**.



- 3 Press **▲/▼/◀/▶** to setting the option, then press **ENTER**.



- 4 Press **SETUP** to save the setting.

Sharpness

Adjust sharpness of images.

Brightness

Adjust brightness of images.

Contrast

Adjust a ratio of brightness between the brightest part and the darkest part.

Gamma

Emphasize dark part of images.

Hue

Adjust a balance between green and red.

Chroma Level

Adjust color density. It is effective with animation or something with high color density.

Note

- It may not be very effective for some discs or files.

Customizing The Function Settings

You can change the default settings to customize performance to your preference.

Setting procedure

- 1 Press **SETUP** in stop mode. HOME MENU will appear.

- 2 Press **▲/▼/◀/▶** to select "Initial Settings", then press **ENTER**.



- 3 Press **▲/▼/◀/▶** to select the desired option, then press **ENTER**.

- 4 Change the selection using **▲/▼/◀/▶** or **ENTER**, by referring to the corresponding page 22.
 - Repeat steps 3 and 4 to change other option.

- 5 To clear HOME MENU screen, press **SETUP**.

Customizing The Function Settings

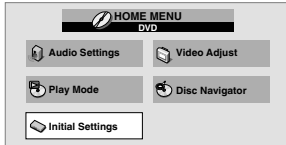
Setting	Option	Setup hint
Video Output settings		
TV Screen	4:3 (Letter Box)	Set Picture Size to Natural. Widescreen movies are shown with black bars top and bottom.
	4:3 (Pan & Scan)	Set Picture Size to Natural. Widescreen movies are shown with the sides cropped so that the image fills the screen.
	16:9 (Wide)	Set if you have a widescreen TV.
NTSC Out	NTSC	Display the picture of NTSC discs as NTSC-TV system.
	NTSC > PAL	Display the picture of NTSC discs converting to PAL-TV system.
Language settings		
Audio Language	English	If there is an English soundtrack on the disc then it will be played.
	Languages as displayed	If there is the language selected on the disc, then it will be played.
	Other Language	Select to choose a language other than the ones displayed. (see Language Code List on page 24)
Subtitle Language	English	If there is an English subtitle on the disc, then it will be displayed.
	Languages as displayed	If there is the subtitle language selected on the disc, then it will be displayed.
	Other Language	Select to choose a language other than the ones displayed. (see Language Code List on page 24)
DVD Menu Lang.	w/Subtitle Lang.	DVD disc menus will be displayed in the same language as your selected subtitle language, if possible.
	Languages as displayed	DVD disc menus will be displayed in the selected language, if possible.
	Other Language	Select to choose a language other than the ones displayed. (see Language Code List on page 24)
Subtitle Display	On	Subtitles are displayed according to your selected subtitle language (see above).
	Off	Subtitles are always off by default when you play a DVD disc (note that some discs override this setting).
Display settings		
OSD Language		On-screen displays are shown in the language selected.
Angle Indicator	On	A camera icon is displayed on-screen during multi-angle scenes on a DVD disc.
	Off	No multi-angle indication is shown.
Options settings		
Parental Lock		See page 23.

Parental Control

Some discs are specified as not suitable for children. Such discs can be limited not to playback with the unit.

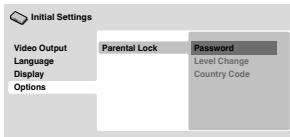
How to into the Parental menu

- 1 Press **SETUP** in stop mode. HOME MENU will appear.
- 2 Press **▲/▼/◀/▶** to select "Initial Settings", then press **ENTER**.
- 3 Press **▲/▼** to select "Options", then press **▶**. Then press **▶** to enter the Parental Lock menu.

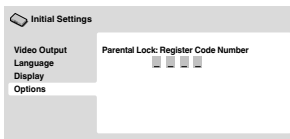


Set Password

- 1 Press **▲** or **▼** to select "Password", then press **ENTER**.

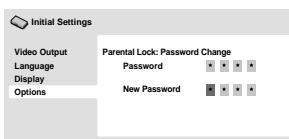
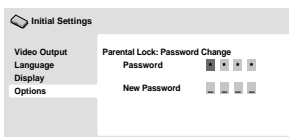
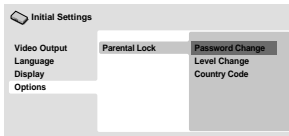


- 2 Press **Number buttons (0-9)** to input the password, then press **ENTER**.



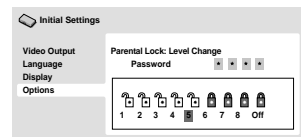
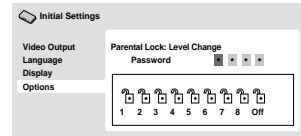
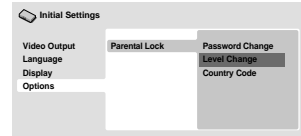
Change Password

- 1 Press **▲** or **▼** to select "Password Change", then press **ENTER**.
- 2 Press **Number buttons (0-9)** to input the current password, then press **ENTER**.
- 3 Press **Number buttons (0-9)** to input the new password. Press **ENTER**. Now your new password has been set. Be sure to remember this number!



Level Change

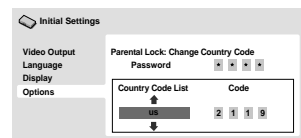
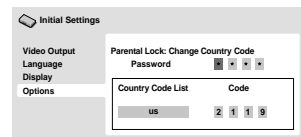
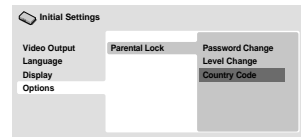
- 1 Press **▲** or **▼** to select "Level Change", then press **ENTER**.
- 2 Press **Number buttons (0-9)** to input the current password, then press **ENTER**.
- 3 Press **◀** or **▶** to select from the level 1 to level 8. The limitation will be more severe as the level number is lower. Then press **ENTER**.



- Level 1:** DVD software for adults cannot be played back.
- Level 8:** Virtually all DVD software can be played back.
- Level Off:** The parental control setting does not function.

Country Code

- 1 Press **▲** or **▼** to select "Country Code", then press **ENTER**.
- 2 Press **Number buttons (0-9)** to input the current password, then press **ENTER**.
- 3 Press **▲** or **▼** to select the input mode from "Country Code List" or "Code".



- When you selected "Country Code List": Press **▲** or **▼** to select Country Code, then press **ENTER**.
- When you selected "Code": Press **▶** then use the **Number buttons (0-9)** to enter the 4-digit Country Code. Press **ENTER**. (see Country/Area Code List on page 24)

Note:

- Depending on the discs, the unit cannot limit playback.
- Some discs may not be encoded with specific rating level information though its disc jacket says "adult." For those discs, the age restriction will not work.
- If you input a wrong number, press **◀**, then input correct number.

Language Code List

Language (Language code letter), **Language code**

Japanese (ja), 1001	Bhutani (dz), 0426	Kirghiz (ky), 1125	Sinhalese (si), 1909
English (en), 0514	Esperanto (eo), 0515	Latin (la), 1201	Slovak (sk), 1911
French (fr), 0618	Estonian (et), 0520	Lingala (ln), 1214	Slovenian (sl), 1912
German (de), 0405	Basque (eu), 0521	Laothian (lo), 1215	Samoan (sm), 1913
Italian (it), 0920	Persian (fa), 0601	Lithuanian (lt), 1220	Shona (sn), 1914
Spanish (es), 0519	Finnish (fi), 0609	Latvian (lv), 1222	Somali (so), 1915
Chinese (zh), 2608	Fiji (fj), 0610	Malagasy (mg), 1307	Albanian (sq), 1917
Dutch (nl), 1412	Faroese (fo), 0615	Maori (mi), 1309	Serbian (sr), 1918
Portuguese (pt), 1620	Frisian (fy), 0625	Macedonian (mk), 1311	Siswati (ss), 1919
Swedish (sv), 1922	Irish (ga), 0701	Malayalam (ml), 1312	Sesotho (st), 1920
Russian (ru), 1821	Scots-Gaelic (gd), 0704	Mongolian (mn), 1314	Sundanese (su), 1921
Korean (ko), 1115	Galician (gl), 0712	Moldavian (mo), 1315	Swahili (sw), 1923
Greek (el), 0512	Guarani (gn), 0714	Marathi (mr), 1318	Tamil (ta), 2001
Afar (aa), 0101	Gujarati (gu), 0721	Malay (ms), 1319	Telugu (te), 2005
Abkhazian (ab), 0102	Hausa (ha), 0801	Maltese (mt), 1320	Tajik (tg), 2007
Afrikaans (af), 0106	Hindi (hi), 0809	Burmese (my), 1325	Thai (th), 2008
Amharic (am), 0113	Croatian (hr), 0818	Nauru (na), 1401	Tigrinya (ti), 2009
Arabic (ar), 0118	Hungarian (hu), 0821	Nepali (ne), 1405	Turkmen (tk), 2011
Assamese (as), 0119	Armenian (hy), 0825	Norwegian (no), 1415	Tagalog (tl), 2012
Aymara (ay), 0125	Interlingua (ia), 0901	Occitan (oc), 1503	Setswana (tn), 2014
Azerbaijani (az), 0126	Interlingue (ie), 0905	Oromo (om), 1513	Tonga (to), 2015
Bashkir (ba), 0201	Inupiak (ik), 0911	Oriya (or), 1518	Turkish (tr), 2018
Byelorussian (be), 0205	Indonesian (in), 0914	Panjabi (pa), 1601	Tsonga (ts), 2019
Bulgarian (bg), 0207	Icelandic (is), 0919	Polish (pl), 1612	Tatar (tt), 2020
Bihari (bh), 0208	Hebrew (iw), 0923	Pashto, Pushto (ps), 1619	Twi (tw), 2023
Bislama (bi), 0209	Yiddish (ji), 1009	Quechua (qu), 1721	Ukrainian (uk), 2111
Bengali (bn), 0214	Javanese (jw), 1023	Rhaeto-Romance (rm), 1813	Urdu (ur), 2118
Tibetan (bo), 0215	Georgian (ka), 1101	Kirundi (rn), 1814	Uzbek (uz), 2126
Breton (br), 0218	Kazakh (kk), 1111	Romanian (ro), 1815	Vietnamese (vi), 2209
Catalan (ca), 0301	Greenlandic (kl), 1112	Kinyarwanda (rw), 1823	Volapük (vo), 2215
Corsican (co), 0315	Cambodian (km), 1113	Sanskrit (sa), 1901	Wolof (wo), 2315
Czech (cs), 0319	Kannada (kn), 1114	Sindhi (sd), 1904	Xhosa (xh), 2408
Welsh (cy), 0325	Kashmiri (ks), 1119	Sangho (sg), 1907	Yoruba (yo), 2515
Danish (da), 0401	Kurdish (ku), 1121	Serbo-Croatian (sh), 1908	Zulu (zu), 2621

Country/Area Code List

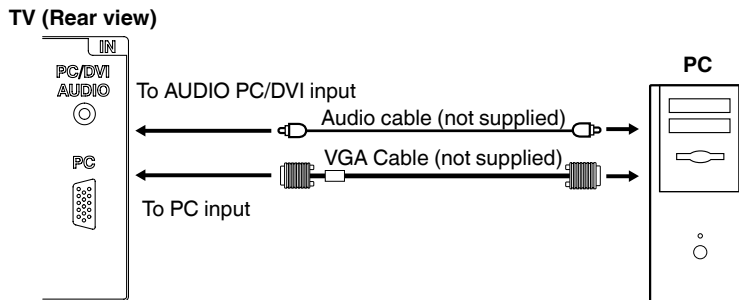
Country/Area, Country/Area code, Country/Area code letter

Argentina, 0118, ar	Finland, 0609, fi	Malaysia, 1325, my	Singapore, 1907, sg
Australia, 0121, au	France, 0618, fr	Mexico, 1324, mx	Spain, 0519, es
Austria, 0120, at	Germany, 0405, de	Netherlands, 1412, nl	Sweden, 1905, se
Belgium, 0205, be	Hong Kong, 0811, hk	New Zealand, 1426, nz	Switzerland, 0308, ch
Brazil, 0218, br	India, 0914, in	Norway, 1415, no	Taiwan, 2023, tw
Canada, 0301, ca	Indonesia, 0904, id	Pakistan, 1611, pk	Thailand, 2008, th
Chile, 0312, cl	Italy, 0920, it	Philippines, 1608, ph	United Kingdom, 0702, gb
China, 0314, cn	Japan, 1016, jp	Portugal, 1620, pt	USA, 2119, us
Denmark, 0411, dk	Republic of Korea, 1118, kr	Russian Federation, 1821, ru	

PC connection

Follow these steps: On your PC monitor choose a resolution of 1360 × 768 at 60Hz and save this configuration. Shut down your PC and connect the shut off LCD TV. Use a screensaver to avoid burning-in of static picture content.

Use a PC-VGA cable (not supplied) to connect the LCD-Monitor to your PC. Make the connections carefully so as not to break or bend the contacts inside the plug.



Select PC input

Switch on the LCD-TV.

Select the PC mode (see page 9).

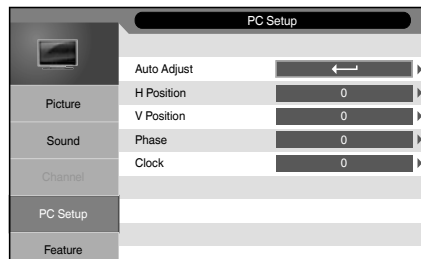
Note:

- If no signal or a signal with a non-supported resolution is connected, No Signal is displayed.
- As this LCD-TV is not a PC monitor correct display cannot be guaranteed for every PC / graphics card.
- When the signal 1280x768/1360x768 on 16:9 is input, the black bar or line will appear on the screen. This is to display the image to dot by dot.

Supported PC resolutions	
resolution	fps (Hz)
640x480	60
800x600	60
1024x768	60
1280x720	60
1280x768	60
1360x768	60
1280x1024	60
1440x900	60
1920x1080	60

Example: Adjust the “H Position”.

1 During PC mode press **MENU**.



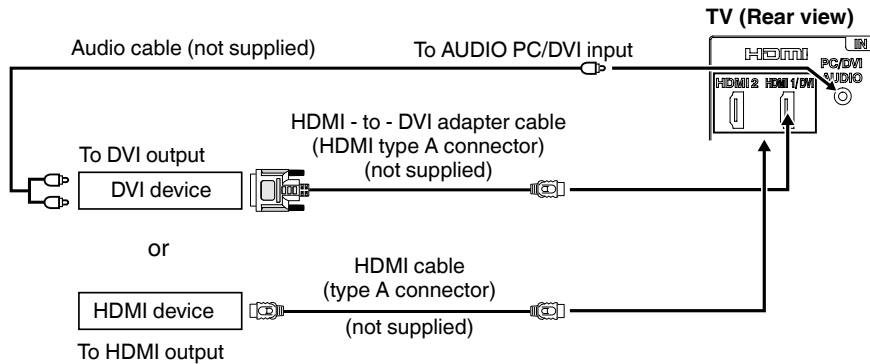
2 Select “PC Setup” > “H Position”, then press **ENTER**. Press ◀ or ▶ to adjust “H Position”.

3 Press **RETURN** several times to return to the normal screen.

Selected Items	Setup hint
PC Setup	
Auto Adjust	“H Position”, “V Position”, “Phase” and “Clock” are adjusted automatically as per the input PC video signal. <ul style="list-style-type: none"> • When PC-input mode was selected and a PC-signal was input, Auto Adjust will be performed automatically.
H Position	To adjust the horizontal placing of the image.
V Position	To adjust the vertical placing of the image.
Phase	Eliminates the horizontal (Phase) interfering lines.
Clock	Eliminates the vertical (Clock) interfering lines.

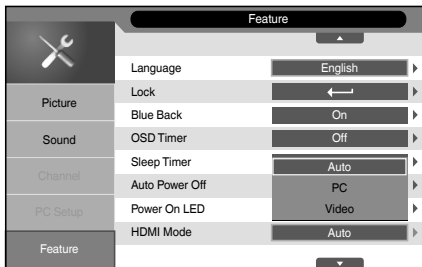
Connecting an HDMI or a DVI device to the HDMI input

The HDMI input receives digital audio and uncompressed video from a HDMI equipped device or uncompressed digital video from a DVI equipped device. When you connect to a DVI device with a HDMI-to-DVI adapter cable, it only transfers the video signal, so it is necessary to use separate analogue leads to transfer the audio signals. Select the HDMI input mode (see P.9).



Selecting the HDMI signal

1 Select Feature/HDMI Mode option.



2 Then press ▲ or ▼ to select the desired mode.

Auto: Auto (factory setting), can remain in this mode. Change not necessary.

PC: PC (for PC), if desired.

Video: Video (for Video), if desired.

3 Press **MENU** to exit the menu.

Note:

- Please notice the operating manual for the HDMI device to be set up.

Connection to other equipment

Attention: Preparation:

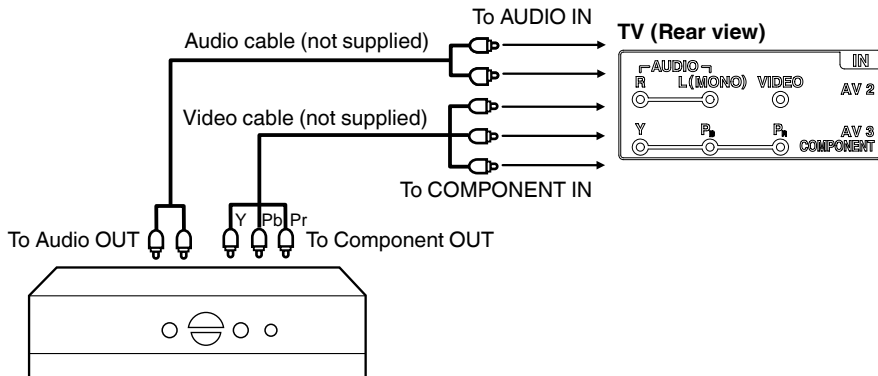
- Disconnect all equipment from the AC-supply, to prevent any possible damage.
- Make the necessary connections.
- Make sure all connections are safe & secure before reconnecting your equipment the AC-supply.

Note:

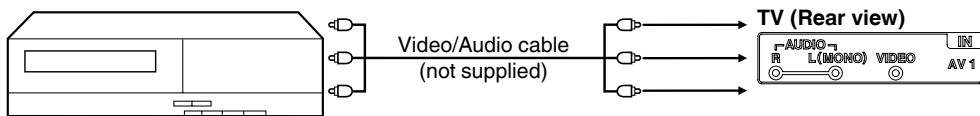
- Select a appropriate external input mode. (See page 9)

1. Connect to a receiver/set-top box

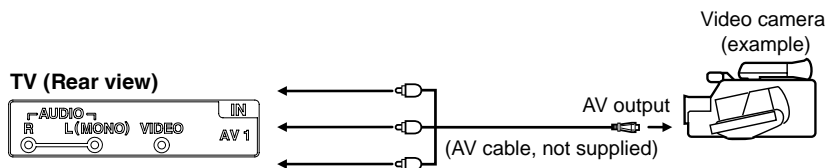
If you connect a receiver/set-top box, connect your Television to a receiver/set-top box using a component video cord.



2. Connect to a VCR



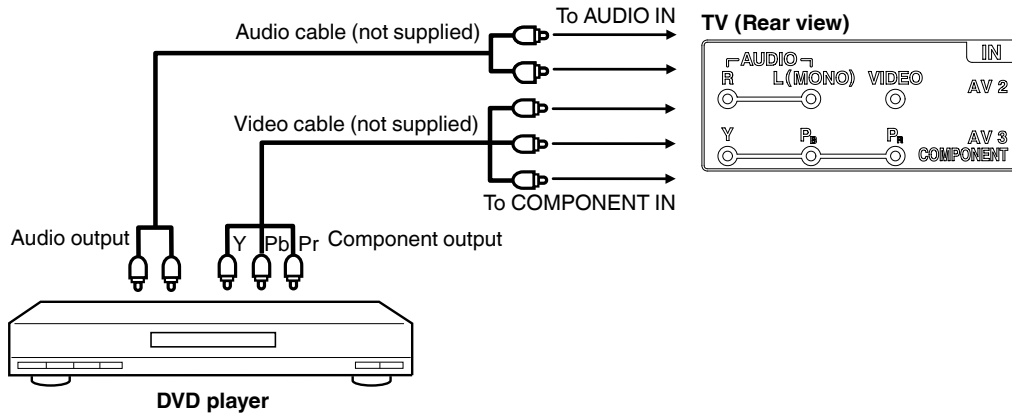
3. Connecting a Video camera or Games console to AV input



Connection to other equipment

4. Connecting to a DVD player or other AV device with Component Video outputs

If your DVD player (or other device) has Component Video output jacks, use a suitable set of leads (RCA/Phono) to connect these to the Component Video inputs on this TV as shown - it can greatly enhance the picture quality and performance. Please remember that you will also need to connect separate leads (RCA/Phono) for the audio signals.



Note:

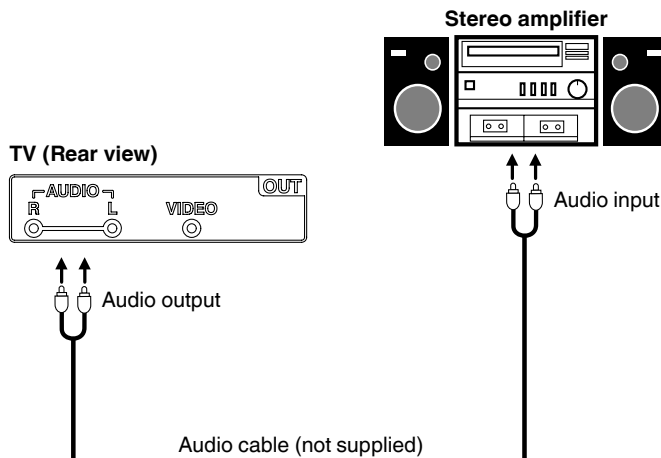
- The Component Video input of this unit are for use with equipment which outputs interlaced signals (PAL: 576i/1080i or NTSC: 480i/1080i) and progressive signals (PAL: 576p/720p or NTSC: 480p/720p).

5. Connecting an audio system

You can supply the TV sound to the stereo equipment with the Audio output jacks. Use a Audio cable (RCA/Phono) for the connection which sold at the accessory shop. (please consult your hi-fi instructions for details).

Note:

- The Bass/Treble/Balance adjustments (see P.13) only function with the sound from the TV speakers - it does not affect the audio output sockets.
- Only TV and AV1 audio signal will be output from Audio output jacks.



Troubleshooting table

Please check the following list before requesting service.

Symptom	Possible solution	Page
TV		
No picture, no sound	Switch on the set.	5
	Check that the mains power outlet is properly connected.	9
	Select appropriate input mode.	9
	Unplug unit for 1 minute, then plug it back in.	9
No reception with built-in tuner.	Connect the antenna.	8
	Try another antenna.	8
The TV switches off with missing antenna or external input signal	This is normal. 15 minutes after the antenna or external input signal has disappeared, the set will change to standby mode. (in PC input mode: after 2 minutes)	11
Channel option cannot be selected.	The unit is set to AV mode. Press 1 on the remote control.	9
Wrong Colours	Colour and Brightness errors can occur when the viewing angle/ambient air temperature (see technical specifications) are exceeded.	
DVD		
The playback picture has occasional distortion.	The disc is dirty. Eject the disc and clean it. Some times a small amount of picture distortion may appear. This is not a malfunction.	15
The unit does not start playback or disc ejects automatically.	No disc is inserted. Insert a disc.	17
	An unplayable disc is inserted. Insert a playable disc (Check the disc type and colour system).	15
	Place the disc in the disc slot with the label side facing forward.	17
	The disc is dirty. Clean the disc.	15
	The disc is scratched or warped.	15
	Cancel the parental lock function or change the parental lock level.	23

- The LCD panel is a very high technology product, giving you fine picture details. Occasionally, a few nonactive pixels may appear on the screen as a fixed point of blue, green or red. Please note that this does not affect the performance of your product.

License information

- * This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly is prohibited.
- * Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- * **DVD** is a trademark of DVD Format/Logo Licensing Corporation.
- * This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.
- * HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Information on software license

The following open source software component is included in this product:

- * Posix Compatibility Layer
Portions of this software is
CYGPKG_POSIX Copyright © 1990, 1999 The Regents of the University of California.
All rights reserved.
- * MIPS HAL
Portions of this software is
CYGPKG_HAL_MIPS Copyright © 1992 The Regents of the University of California.
All rights reserved.
- * Standard C Library
Portions of this software are
CYGPKG_LIBC_STUDIO Copyright © 1990 The Regents of the University of California.
CYGPKG_LIBC_STDLIB Copyright © 1990, 1992, 1993 The Regents of the University of California.
CYGPKG_LIBC_STRING Copyright © 1988 Regents of the University of California.
CYGPKG_LIBC_TIME Copyright © 1999 Kungliga Tekniska Hogskolan (Royal Institute of
Technology, Stockholm, Sweden).

All rights reserved.

Specifications

TV	
Broadcasting System (Analog):	PAL(B/G, D/K, I), SECAM(B/G, D/K) NTSC 3.58(M, B/G, D/K), NTSC 4.43(B/G, D/K,I)
Preset channels:	Analog 110 Carrier
Frequency Range:	44.25 MHz-863.25 MHz
Sound-multiplex systems:	NICAM(B/G/D/K/I), A2(B/G/D/K), MTS(US system)
LCD:	80 cm visible
	TFT Active Matrix Colour LCD, 1366 x 768 Pixel
HDMI input:	HDMI compliant (type A connector), HDCP compliant Supported scan rates: PAL: 576i/576p/720p/1080i/1080p NTSC: 480i/480p/720p/1080i/1080p HDMI Audio: 2-channel PCM, 32/44.1/48 kHz sampling frequency 16/20/24 bits per sample
Audio Output Power:	5.0W (MAX) x 2
DVD	
Signal system:	NTSC, PAL
Applicable disc:	DVD (12cm, 8cm), CD (12cm, 8cm)
Pickup:	CD : Wavelength: 775 - 815 nm Maximum output power: 0.5 mW DVD : Wavelength: 650 - 666 nm Maximum output power: 2.0 mW
GENERAL	
Power Source:	AC 110-240V, 50/60Hz
Power Consumption:	Operation: 110W at AC230V, 50Hz Standby: 0.5W at AC230V, 50Hz
Weight:	9.6 kg
Dimensions:	80(W)x59(H)x22(D)cm
Surrounding:	Operation: 5°C ~ 40°C/Storage: -20°C ~ 60°C
Operating Humidity:	Less than 80%RH
ACCESSORIES	
2 batteries (AA/R6/UM-3)/Remote control unit /AC cord*1/Stand/3 screws for stand/Antenna plug*2	

*1 Product figure varies in some countries.

*2 For Philippines exclusively

Weight and Dimensions are approximate. Because we continuously strive to improve our products we may change specifications and designs without prior notice.

JVC



J56V0101A SH 11/03

© 2011 Victor Company of Japan, Limited

0211TMH-OR-OR