HUMAX

LGB-26DTT

LCD Digital and Analogue TV

HUMAX

LCD Digital and Analogue TV

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. Indicates a situation which, if not avoided, could damage the equipment or other apparatus.

This symbol indicates **dangerous voltage** inside the LCD-TV that presents a risk of electric shock or personal injury. Indicates a hazardous situation which, if not avoided, could result in serious injury.

This symbol indicates important instructions accompanying the LCD-TV.

Read this manual carefully and make sure you understand the instructions provided. For your safety, check what the result of each action will be. Throughout the whole manual, pay special attention to the following marks that indicate hazardous situations. Indicates additional information to the user to make the user aware of possible problems and information of any importance to help the user to understand, to use and to maintain the installation.

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WOW technology is incorporated under license from SRS Labs, Inc.

Thank you for purchasing a HUMAX LCD-TV. Please read this user manual carefully in order to safely install, use and maintain the LCD-TV at maximum performance. Keep this user manual next to your LCD-TV to ensure the best performance possible.

General Safety Precautions

This **LCD-TV** has been engineered and manufactured to assure your safety. You can prevent serious electrical shock and other hazards by keeping in mind the following:
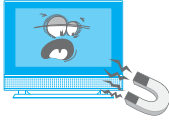
Do not place anything heavy, wet or magnetic on the LCD TV or the power cord. Never cover the ventilation openings with any material and never touch them with metalic or inflammable materials.
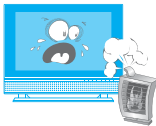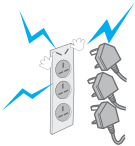
Avoid operating the LCD-TV in extreme heat, humidity or areas affected by dust.

+ Temperature : 41~95°F   + Humidity : 30~80RH

Be sure to tum the LCD-TV off before plugging the power cord into the socket. Make sure that the power cord and the other cords are securely and correctly connected.

Overloaded AC outlets and extension cords are dangerous, as are frayed power cords and broken plugs, which may cause electric shock or fire. Call your service technician for replacement.

Do not use sharp tools such as a pin or a pencil near the LCD-TV, as they may scratch the LCD surface.

Do not use a solvent, such a benzene, to clean the LCD-TV, as it will damage the LCD surface.
The apparatus shall not be exposed to dripping or splashing.

Warning

1 Follow these directions in order not to damage the power cord or plug. Do not modify the power cord or plug. Do not bend or twist the power cord too much. Make sure to disconnect the power cord using the plug rather than the power code. Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.

2 Follow these directions. Failure to follow one of them may cause an electrical shock. Do not open the main body. Do not insert metals or inflammable objects inside the LCD-TV. Do not touch the power plug with wet hands. Disconnect the power cord in case of lightning.

3 Do not use the LCD-TV when it is out of order. If you continue to use the LCD-TV when defective, serious damage can be caused to it. Make sure to contact your local LCD-TV distributor if the LCD-TV is out of order.

4 Please do not insert metal or alien substances into the slots for the modules and smart cards. In doing so it can cause damage to the LCD-TV and reduce its life span.
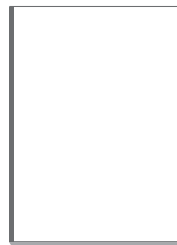
Contents

Please see page 27 to refer to the DTV contents

4. Contents

Package Contents

+ Please check all package contents before using your LCD-TV.
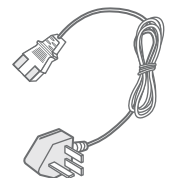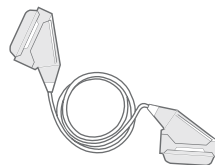+ Package Contents may be different according to the area.
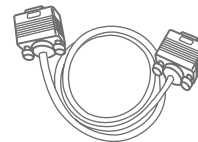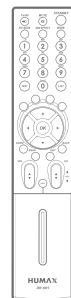
LCD - TV

User's Manual	AAA Batteries (x2)	Power Cable

Scart Jack (x1)	PC Cable (x1)	Remote Control (x1)

Front Panel
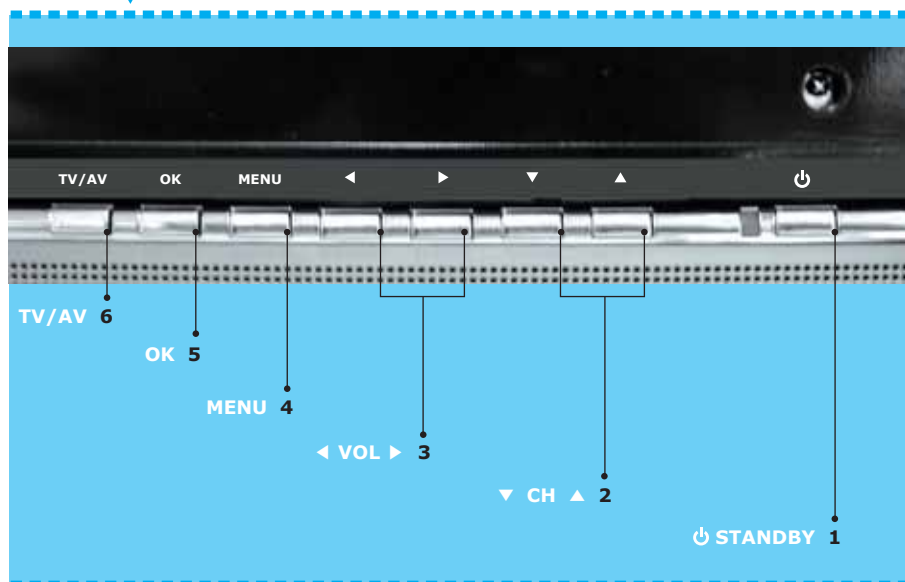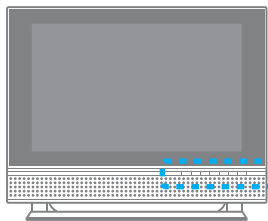
1. ⏻ : STANDBY
Displays Red colour when the set is in standby mode.
Changs to Green colour when the set is switched on.

2. ▼ CH ▲
Selects a programme or a menu item.

3. ◄ VOL ►
Adjusts the volume. Adjusts the menu setting.
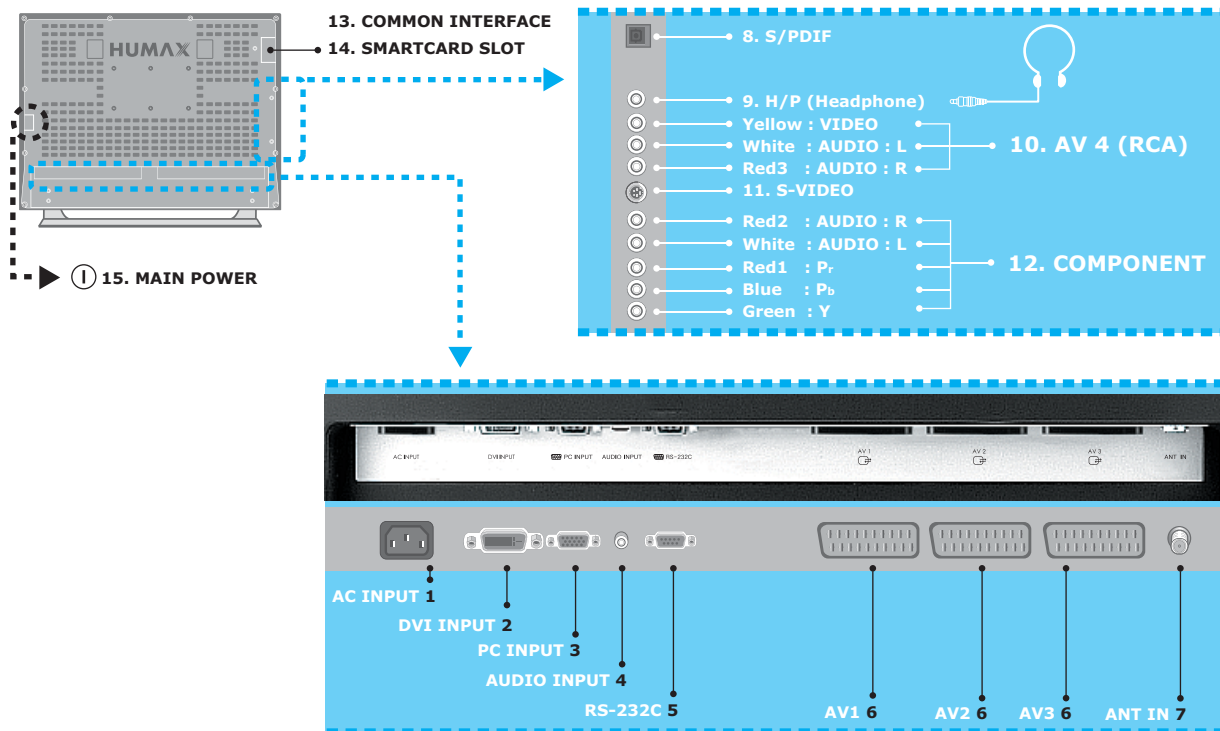
4. MENU
Displays the menu.

5. OK
Selects a menu or confirms the selected operation.

6. TV/AV
Selects input signal (Digital TV, Analog TV, AV1, AV2, AV3, AV4, S-VIDEO, Component, DVI or RGB).

Rear Panel

13. COMMON INTERFACE
14. SMARTCARD SLOT

15. MAIN POWER

8. S/PDIF
9. H/P (Headphone)
Yellow : VIDEO
White : AUDIO : L
Red3   : AUDIO : R
11. S-VIDEO
10. AV 4 (RCA)
Red2   : AUDIO : R
White : AUDIO : L
Red1   : P_r
Blue   : P_b
Green : Y
12. COMPONENT

AC INPUT 1
DVI INPUT 2
PC INPUT 3
AUDIO INPUT 4
RS-232C 5
AV1 6   AV2 6   AV3 6   ANT IN 7

1. AC INPUT
Input AC power from power cable supplied.

2. DVI INPUT
Connects DVI from an external device.

3. PC INPUT
Connects to a signal from a personal computer, using the cable supplied.

4. AUDIO INPUT
Connects an audio signal.

5. RS-232C
Connects to your perxonal computer for software upgrade.

6. AV 1 (SCART 1), AV 2 (SCART 2), AV 3 (SCART 3)
Connects SCART to/from an external device.

7. ANT IN (Antenna In)
Connects your aerial for analogue TV.

8. S/PDIF
Outputs a digital audio signals to a compatible Dolby decoder.

9. H / P (HEADPHONE)

10. AV 4 (RCA)
Connects RCA from an external device.

11. S-VIDEO
Connects an S-Video lead from an external source.

12. COMPONENT
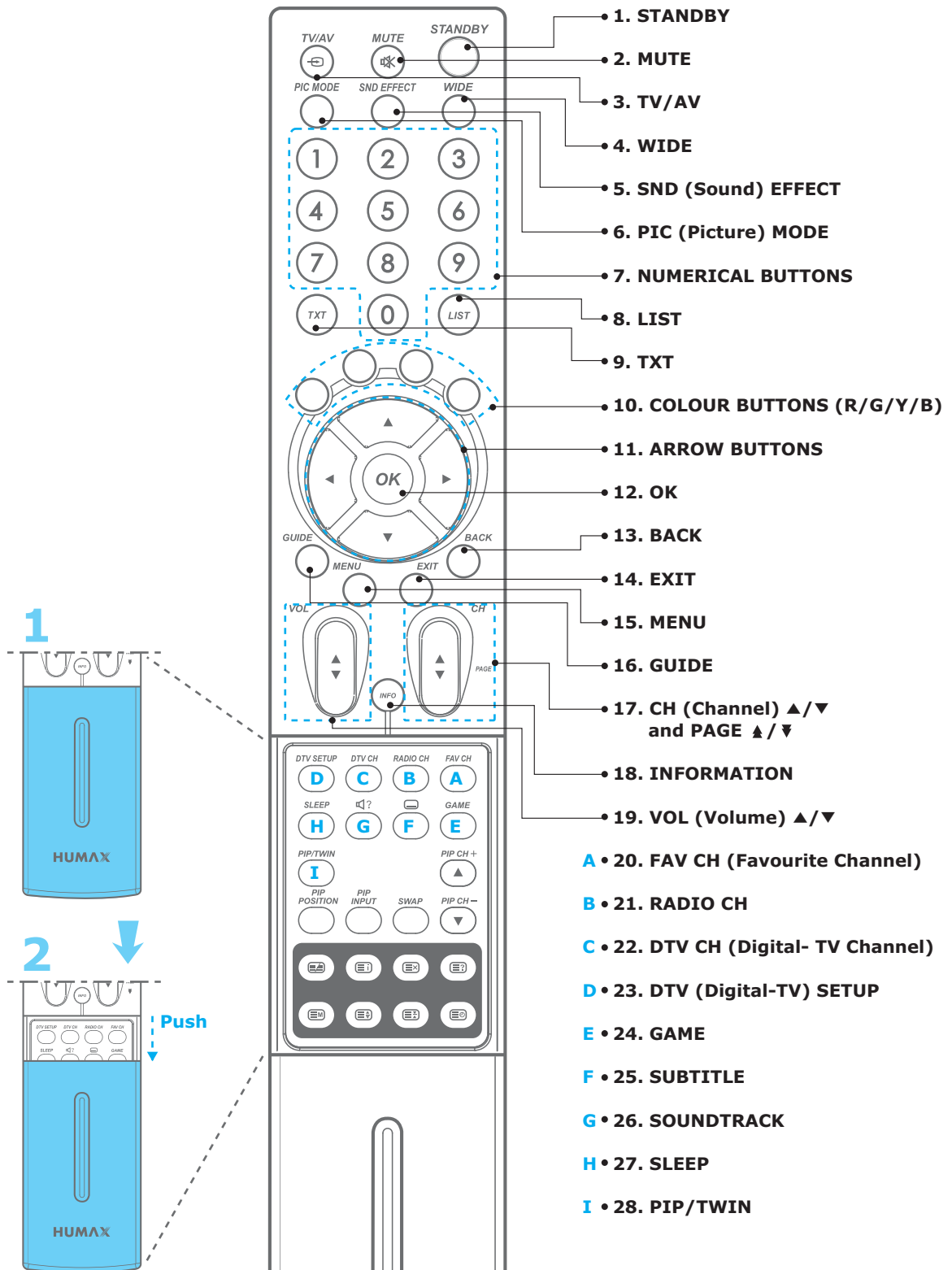
13. COMMON INTERFACE
For one CA Module with a smart card.

14. SMARTCARD SLOT
Slot for a Smartcard.

15. MAIN POWER
Main Power Button.

Remote Control

All the functions can be controlled with the Remote Control handset. Some function can also be adjusted with the buttons on the front panel of the set.
Before you use the Remote Control handset, please install the batteries.

1. **STANDBY**

2. **MUTE**

3. **TV/AV**

4. **WIDE**

5. **SND (Sound) EFFECT**

6. **PIC (Picture) MODE**

7. **NUMERICAL BUTTONS**

8. **LIST**

9. **TXT**

10. **COLOUR BUTTONS (R/G/Y/B)**

11. **ARROW BUTTONS**

12. **OK**

13. **BACK**

14. **EXIT**

15. **MENU**

16. **GUIDE**

17. **CH (Channel) ▲/▼ and PAGE ▲/▼**

18. **INFORMATION**

19. **VOL (Volume) ▲/▼**

A • 20. **FAV CH (Favourite Channel)**

B • 21. **RADIO CH**

C • 22. **DTV CH (Digital- TV Channel)**

D • 23. **DTV (Digital-TV) SETUP**

E • 24. **GAME**

F • 25. **SUBTITLE**

G • 26. **SOUNDTRACK**

H • 27. **SLEEP**

I • 28. **PIP/TWIN**

1

2

Push

8. Remote Control

Remote Control

1. STANDBY (⌕) *STANDBY*
Switches between Operation
and Standby modes.

2. MUTE (⌕) *MUTE*
Mutes the audio.

3. TV/AV (⌕) *TV/AV*
Selects input signal between TV
and another signals.

4. WIDE (⌕) *WIDE*
Sets the display format.

5. SND Effect (⌕) *SND EFFECT*
Changes the sound mode.

6. PIC Mode (⌕) *PIC MODE*
Changes the picture mode.

7. NUMERICAL BUTTONS (0~9)
Enters a channel number or menu
option number.

8. LIST (LIST)
Displays the channel list.

9. TXT (TXT)
Use the MHEG application

10. COLOUR BUTTONS (R/G/Y/B)
Selects colour keys for MHEG or EPG
in the Digital TV mode.
Selects color keys for teletext in the
Analog TV and Digital TV mode.

11. ARROW BUTTONS (▲,▼,◀,▶)
Moves the cursor to the up, down,
left or right menu option.

12. OK (OK)
Selects a menu, or confirms the
selected operation and displays the
channel list whilst watching a
programme.

13. BACK (⌕) *BACK*
Returns to the previous menu and
screen.

14. EXIT (⌕) *EXIT*
Exits the main menu or Guide
screen.

15. MENU (⌕) *MENU*
Displays the main menu.

16. GUIDE (⌕) *GUIDE*
Displays the Programme Guide.

17. CH ▲/▼ and PAGE (▲, ▼)
Changes the Channel or Page.

18. INFORMATION (INFO)
Displays the information about
the channel and programme.

19. VOL ▲/▼
Adjusts the audio volume.

A •20. FAV CH (⌕) *FAV CH*
Displays the Favourite Channel
List in the Digital TV mode.

B •21. RADIO CH (⌕) *RADIO CH*
Switches to digital Radio
channel.

C •22. DTV CH (⌕) *DTV CH*
Switches to digital TV channel.

D •23. DTV Setup (⌕) *DTV SETUP*
Displays the DTV Setup menu in
the Digital TV mode.

E •24. GAME (⌕) *GAME*
Displays the game menu.

F •25. SUBTITLE (⌕)
Changes the subtitle language.

G •26. SOUNDTRACK (⌕)
Lists alternative soundtracks
enable stereo, dual or mono
sound.

H •27. SLEEP (⌕) *SLEEP*
Sets the sleep time.

Remote Control

Push
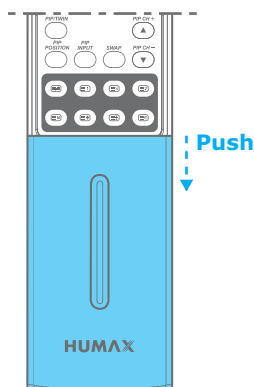
TELETEXT BUTTONS

A. TELETEXT/MIX (▤)
Displays teletext with TV screen.
Change to Mix mode.

B. INDEX (▤i)
Returns to index page.

C. UPDATE (▤x)
Displays the TV picture on the
screen whilst waiting for the new
teletext page.

D. REVEAL (▤?)
Displays the concealed information.

E. MODE (▤M)
Programme a colour button in LIST mode.

F. SIZE (▤)
Selects a text size.

G. HOLD (▤)
Holds function during teletext display.
Stop the automatic page change.

H. SUBPAGE (▤0)
Search the sub-page using the
sub-code.

PIP BUTTONS

I. PIP/TWIN (◯)
Changes PIP/TWIN mode.

J. PIP POSITION (◯)
Control the PIP position.

K. PIP INPUT (◯)
Change the PIP input mode.

L. SWAP (◯)
Switch between main screen
and PIP screen.

M. PIP CH +/ - (▲ , ▼)
Change the PIP channel.
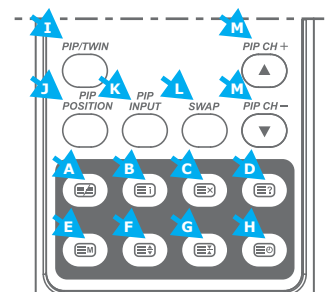
Inserting the Batteries

Push   **Pull**   **Lock**

Insert

1   2   3
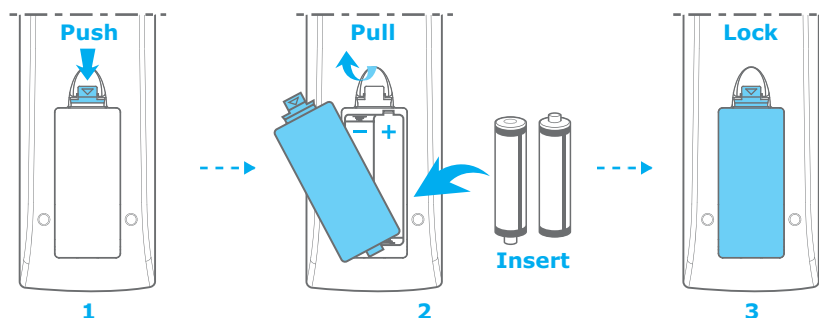
1. Pull the battery cover upward in the arrow direction to remove.

2. Insert the batteries as illustrated in the battery compartment.

3. Put the battery cover back.
+ Apply two 1.5V . batteries of AAA type. Don't mix used batteries with new
   batteries.
+ Remove batteries when you don't use the remote control for long periods.
   Liquid leakage from old batteries may cause operation failure.

Notes for using remote control
+ Make sure these are no objects between the remote control and its sensor.
+ Don't place the remote control near a heater or damp place. Strong impact
   on remote controller may cause operation failure.
+ The signal from the remote control may be subjected to interference from
   sunlight or other strong light.

Mounting Device

This describes how to set up the LCD-TV. Select the most appropriate procedure depending on your requirements.

If you encounter any problem when setting up the LCD-TV, please contact your local LCD-TV distributor.

Installing on the Wall

You can install the set on the wall using a mounting bracket(not supplied) as well as using the stand on a table.To reduce the risk of damage from falling, this LCD-TV should be secured at all times.
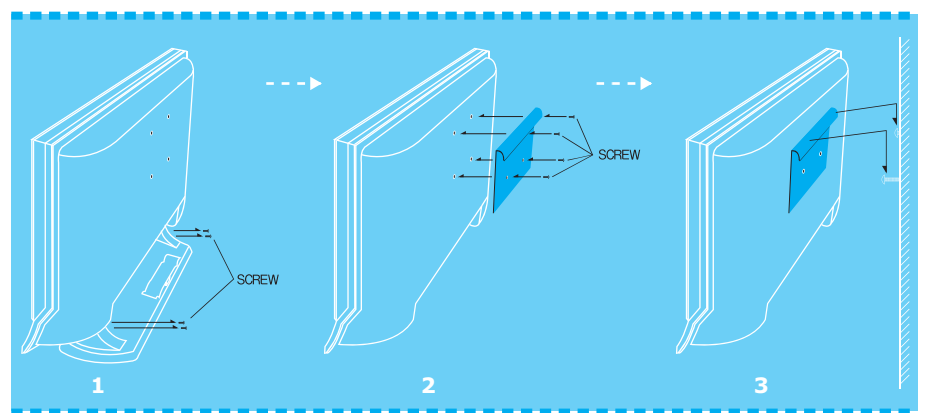
1. Do not install the set on a weak surface such as plaster or foam board.

2. Please separate the Front Panel and Stand, before you install the set on the wall.

Connecting the External Equipment

You can connect additional equipment, such as **VCRs, DVD, etc.** to your set. Examples are shown below.

Connecting the Aerial

To view television channels correctly, a signal must be received by the set from one of following sources :
+ An outdoor aerial
+ An indoor aerial (not recommended)
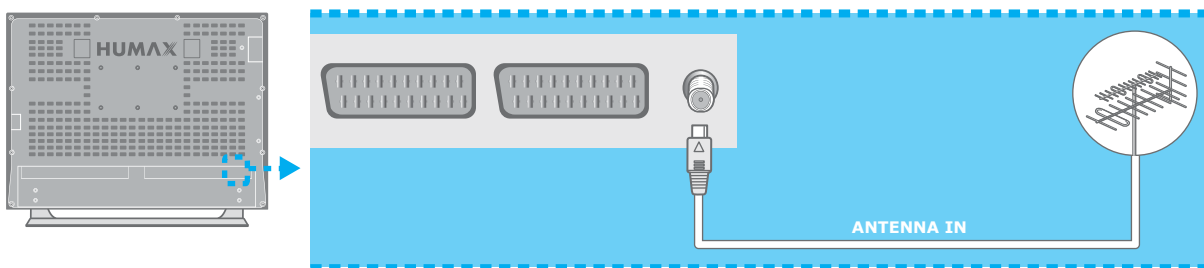
ANTENNA IN

1. Connect the aerial to the **ANTENNA IN** on the bottom of the LCD-TV.

2. Press the **TV/AV** button on the remote control.

3. Select **Analog TV** or **Digital TV.**

Connecting the PC

PC IN

AUDIO IN

AC INPUT
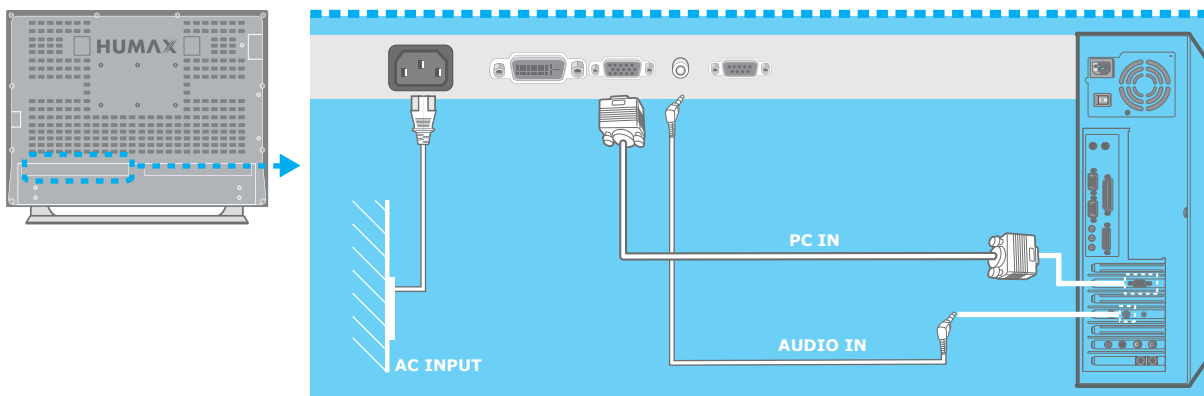
1. Turn off your computer and LCD-TV.

2. Connect a PC D-Sub cable between your PC and **PC IN** of the LCD-TV and then fasten the screws of both sides on the cable.

3. Connect a PC Audio Cable between the Sound Output jack of the sound card on your PC and the **AUDIO IN** of the LCD-TV.

4. Connect the DC Power unit cable to the Power jack on the rear of your LCD-TV. And connect a power cable to the DC Power unit before connecting to a power outlet .

5. Power on the computer before turning on the LCD-TV.

Connecting the External Equipment

Connecting the External Devices

1. Connect video/audio cable as indicated in the diagram.
2. For optimal visual image, use **S-VIDEO** lead(cable not supplied).
3. If you wish to connect the optical **S/PDIF** terminal and Dolby Digital decoder to listen digital audio, connect as follows.
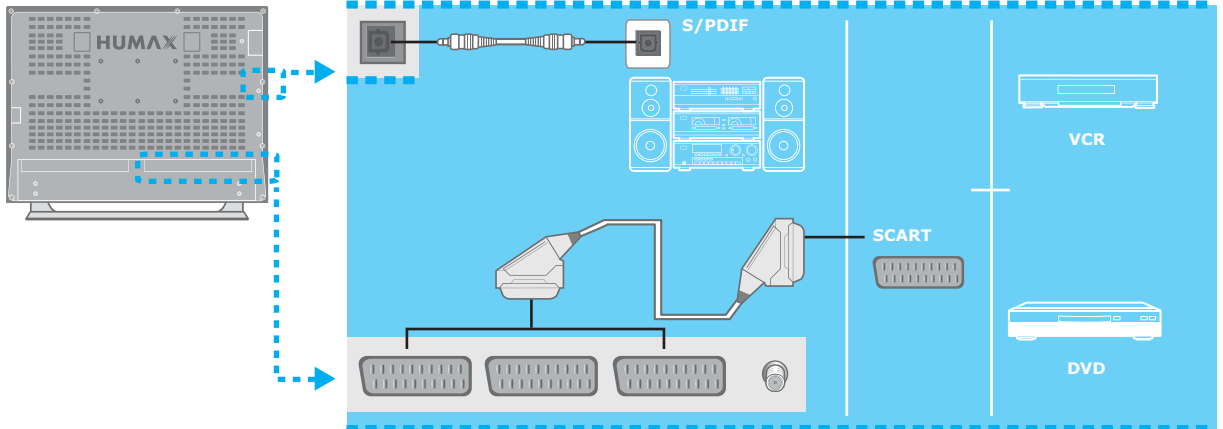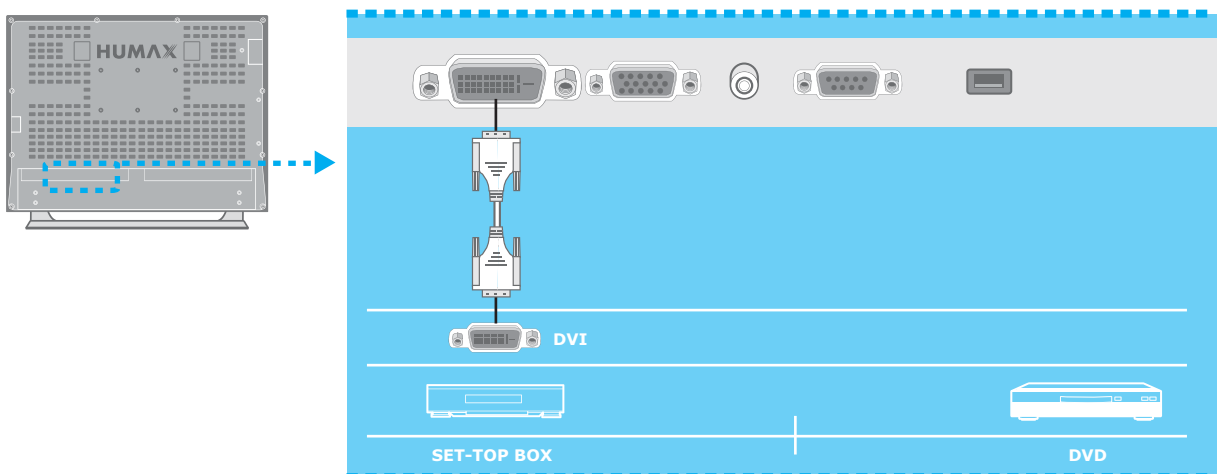

Connecting the DVD

Connect **AUDIO L/R** to **AUDIO OUT** connector of the DVD.
For viewing, use S-Video or Component Input (Y, P_b, P_r).
For listening, use Audio L/R.
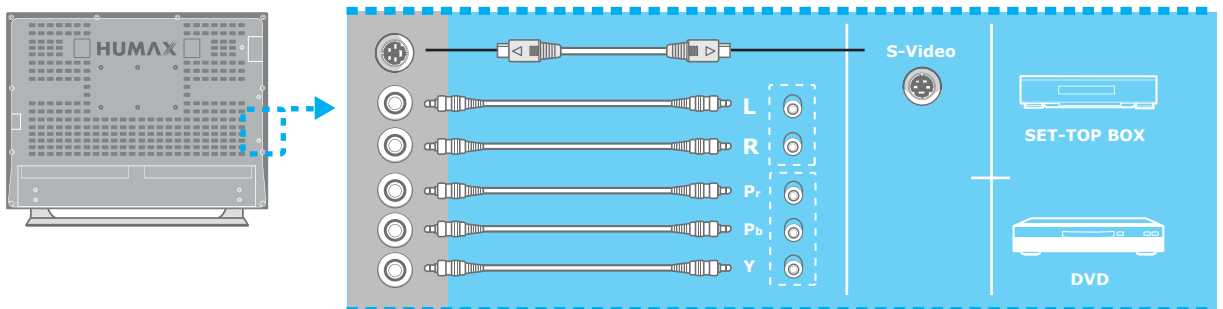
Connecting DVI

If you wish to connect the DVI cable as follows.

Watching TV

Powering ON/OFF
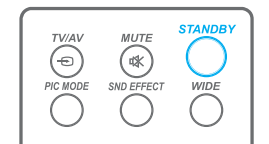
1. Connect the plug to the wall outlet.

2. Press the **MAIN POWER** button on the right side of the LCD-TV.

3. If the set is in standby mode, press the **STANDBY** button on the control or on the set to switch it on.

4. Press the **STANDBY** button on the remote control. The set reverts to standby mode.

Changing the Input mode
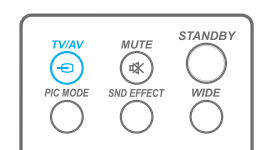
1. Press the **TV/AV** button to change the input mode.

2. Select your desired mode using the ▲/▼ button, and press the **OK (OK)** button.

Volume Control
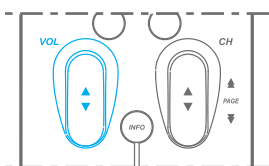
1. Press the **VOL (▲/▼)** buttons to adjust the audio volume.

2. Press the **MUTE (⊄)** button to mute the sound.
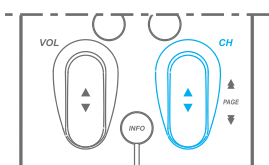
Selecting the Channel

1. Press the **CH (▲/▼)** or **NUMERICAL (0~9)** buttons to change the channel number.

Choosing Your Language

When you start using your television for the first time, you must select the language which will be used for displaying menus and indications.

1. Press the **MENU ( )** button.

2. Select **System** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

3. Select **Language** using the ▲/▼ button, and press the ◀ or ▶ button to select a particular language.

4. When you are satisfied with your choice, press the **EXIT ( )** button to return to normal viewing.

Setting Up Analogue Channels Automatically

You can scan for the frequency ranges available to you (and availability depends on your country.) Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch. It's only for analogue TV mode.

1. Press the **MENU (○ ᴹᴱᴺᵁ)** button.

2. Select **Channel** using the ▲/▼ button, and press the **OK (⟨OK⟩)** or ▶ button.

3. Select **Auto Programme** using the ▲/▼ button, and press the **OK (⟨OK⟩)** or ▶ button.

4. Select **System** using the ▲/▼ button, and press the ◀ or ▶ button to select a particular system.

   BG : I : DK

5. Select **Store** From using the ▲/▼ button, and press the ◀, ▶, or **NUMERICAL** (0~9) button to enter the starting number to store the scanned programme.

6. Select **Start Search** using the ▲/▼ button, and press the **OK (⟨OK⟩)** or ▶ button to start auto scanning. To stop the search before it has finished, press the **BACK (○ ᴮᴬᶜᴷ)** button.

The search will end automatically. Channels are sorted and stored in an order, then the programme originally selected is displayed.

In the digital TV mode, you can select Setup Digital Channel menu instead of Channel menu.
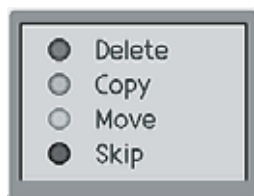
Setting Up Analogue Channels Manually

The Manual Programme allows you to manually tune and arrange the channels in the order you desire. You can also assign a channel name with characters to each channel number. It's only for Analog TV mode.

1. Press the **MENU (◯)** button.

2. Select **Channel** using the ▲/▼ button, and press the **OK (OK))** or ▶ button.

3. Select **Manual Programme** using the ▲/▼ button, and press the **OK (OK))** or ▶ button.

4. Select **System** using the ▲/▼ button, and press the ◀ or ▶ button to select a particular system.

   BG : I : DK

5. Select **Band** using the ▲/▼ button, and press the ◀ or ▶ button.

   V/UHF : Cable

6. If you know the channel number to be stored, select **Channel** using the ▲/▼ button, and press the ◀, ▶, or **NUMERICAL (0~9)** button to select number. If you do not know the channel number, select **Search** using the ▲/▼ button, and press the ◀ or ▶ button to start search.

7. Select **Programme No.** using the ▲/▼ button, and press the ◀, ▶, or **NUMERICAL (0~9)** button. You can assign a programme number to a channel.

8. Select **Name** using the ▲/▼ button, and press the ▶ button to change a name. To select a letter (A~Z, 0~9, +, -), press the ▲/▼ button. To move on the previous or next letter, press the ◀ or ▶ button. To store the changing name, press the **OK (OK))** button.

9. Select **Fine Tune** using the ▲/▼ button, and press the ◀ or ▶ button to fine-tune the channel manually. If the signal is weak or distorted, you may have to fine-tune the channel manually.

10. When you are satisfied with your choice, press the **EXIT (◯)** button to store the current setting values.

Editing Channels

Editing Channels

This function enables you to delete, copy, move, or skip the stored channel. It's only for analogue TV mode.

1. Press the **MENU (** ◯ **) ** button.

2. Select **Channel** using the ▲/▼ button, and press the **OK (** (OK) **)** or ▶ button.

3. Select **Edit Programme** using the ▲/▼ button, and press the **OK (** (OK) **)** button. The programme list is displayed in the main screen.

4. Select the **programme name** to edit with ▲/▼/◀/▶ button and press the Colour (R/G/Y/B) buttons to delete, copy, move, or skip the programme.

> **+ Delete button : RED**　　　**+ Copy button : GREEN**
> **+ Move button : YELLOW**　　　**+ Skip button : BLUE**

Skipping a Channel
_ Select a channel to skip with the ▲/▼/◀/▶ button.
_ Press the **BLUE** button, the channel selected will change to the blue colour. Thereafter these channels will be skipped when using the **CH (▲/▼)** button.
_ To return to normal status, select the skipped channel and then press again the **BLUE** button for 2~3 seconds

Moving a Channel
_ Select a channel to move with the ▲/▼/◀/▶ button.
_ Press the **YELLOW** button to select the channel you wish to move. Use the ▲/▼/◀/▶ button to move the channel to the desired position,then press the **YELLOW** button again to store.

Copying a Channel
_ Select a channel to copy with the ▲/▼/◀/▶ button.
_ Press the **GREEN** button.

Deleting a Channel
_ Select a channel to delete with the ▲/▼/◀/▶ button.
_ Press the **RED** button. If you press the **RED** button again, the selected channel will be deleted.

**While editing the programme, you can switch to the channel you select.**

Basic Functions

Listing Channels

You can watch the programme list while watching Analog TV.

1. Press the **LIST (⬭LIST)** button.
2. Select a channel using the ▲/▼ button, and press the **OK (OK)** button to switch to the selected channel. You can also move to the next or previous page using the **PAGE (▲/▼)** button.

Programmes

C 55	ABCDF
C 56	MBC
C 57	TBC
C 58	KBS
C 59	SBS
C 60	ABC
C 61	ABC
C 62	ABC
C 63	ABC
C 64	ABC
C 65	ABC

Using the OK button
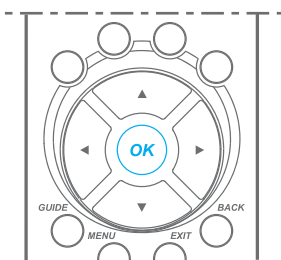
When you press the **OK (OK)** button, information of the channel appears :

_ Channel number, channel name, and current time in the Analog TV mode
_ External input mode and current time in the AV input mode.
_ The information of Main and PIP screen in the PIP mode.

**If you wish to disappear the information, press the OK (OK)button.
In the audio mode also, the information appears.**

Using the Audio button
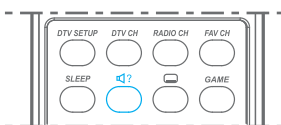
You can hear the sound with various modes. (Mono, Stereo, Dual mode)
Press the **Audio ( )** button. to switch into other mode.

If it is not switched, iti¯s the channel that various modes are not supplied.

Setting the Sleep Time
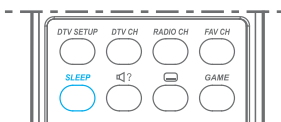
You can select a time for the TV to turn off automatically.
Press the **SLEEP** button repeatedly until the desired time appears.
The number changes from Off . 10 . 20 . 30 . 60 . 90 . 120 . 180 . 240.
When the selected time is out, the TV will turn off automatically.
To cancel the sleep time, press the **SLEEP** button repeatedly and select
Sleep Off.

Setting the Picture
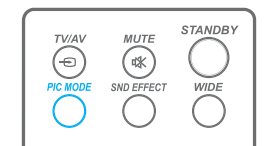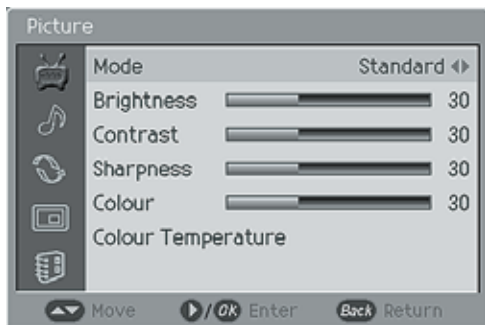
Mode

You can select the picture type you prefer.

1. Press the **MENU ( ) button.

2. Select **Picture** using the ▲/▼ button, and press the **OK (OK) or ▶ button.

3. Select **Mode** using the ▲/▼ button and press the ◀ or ▶ button to select a particular thing. If you select **User,** you can control the value manually.
Standard : Dynamic : Movie : Mild : User

4. On the Standard, Dynamic, Movie, or Mild, the value of the Brightness, Contrast, Sharpness and Colour change automatically. You can also set these options simply by pressing the **PIC MODE** (Picture Mode) button.

Item	Setting Change			
Brightness	Darker	◀	0 ~ 100 ▶	Brighter
Contrast	Less	◀	0 ~ 100 ▶	More
Sharpness	Less sharp	◀	0 ~ 100 ▶	Shaper
Colour	Lower	◀	0 ~ 100 ▶	Higher

Note : If you change the value of the Brightness, Contrast, Sharpness and Colour, the User is selected automatically.

Colour Temperature

You can select the picture colour tone you prefer.

1. Press the **MENU ( ) button.

2. Select **Picture** using the ▲/▼ button, and press the **OK (OK) or ▶ button.

3. Select **Colour Temperature** using the ▲/▼ button and press the **OK (OK) or ▶ button.

4. Select **Colour Temp** using the ▲/▼ button, and press the ◀ or ▶ button to select a particular thing. If you select **User**, you can control the value manually.
Normal : Cool : Warm : User

5. On the Normal, Cool, or Warm, the value of the R/G/B Gain change automatically.

Note : If you change the value of the R/G/B Gain, the User is selected automatically.
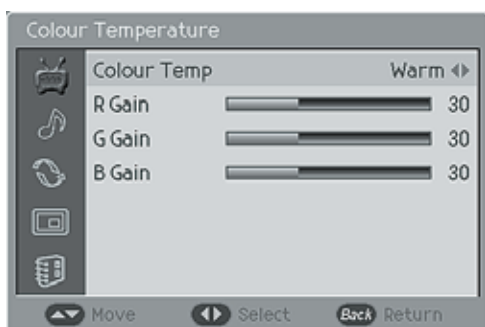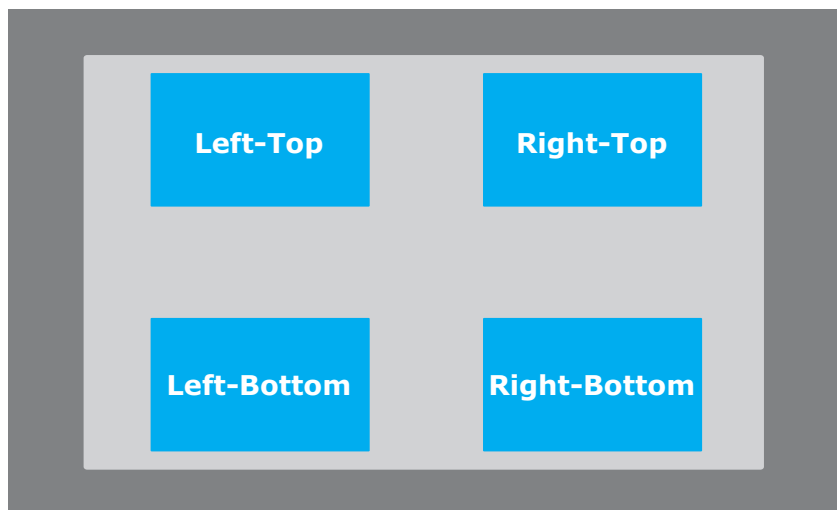
Setting the PIP/TWIN
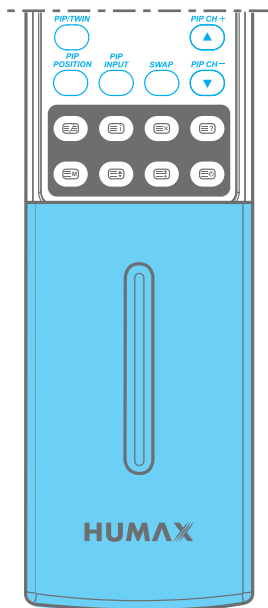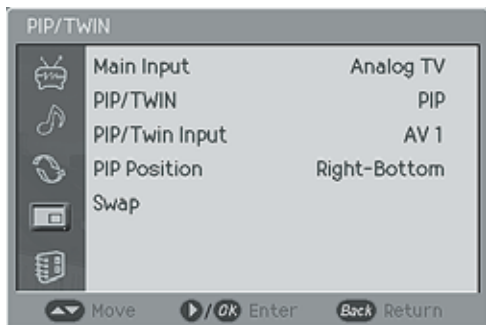
PIP/TWIN

With PIP, Picture in Picture, you can call up a small screen within the main screen. This enables you to watch two different input sources at the same time. In this way, you can watch TV programme or monitor the video input from any connected devices while watching TV or other video input.

1. Press the **MENU (⃝)** button.

2. Select **PIP/TWIN** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

3. Select **PIP/TWIN** using the ▲/▼ button, and press the ◀ or ▶ button to select a particular thing.
   _ Off   : Switch PIP off.
   _ PIP   : Switch PIP on.
   _ Twin 1, Twin 2 : Select a size of small screen.

4. Select **Main Input** or **PIP/Twin Input** using the ▲/▼ button, and press the ◀ or ▶ button to select a particular thing.
   Digital TV : Analog TV : AV1 : AV2 : AV3 : AV4 : S-Video : Component : PC : DVI

Note : You can only select different inputs between Main Input and PIP/Twin Input except Digital TV mode.
   **You can enjoy two digital channels simultaneously in each screen.**

5. Select **PIP Position** using the ▲/▼ button, and press the ◀ or ▶ button to move the PIP picture to another corner of the screen.

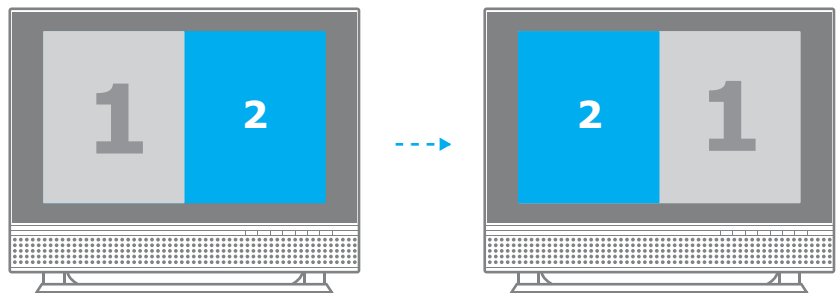**Note : If you wish to select PIP Position, you must set the PIP/TWIN mode to PIP.**

Setting the PIP/TWIN

6. Select **Swap** using the ▲/▼ button, and press the ▶ button to exchange the picture in the main screen and small screen. Not available in PC Mode.
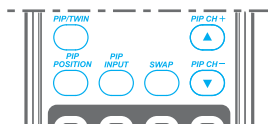
In case of PIP
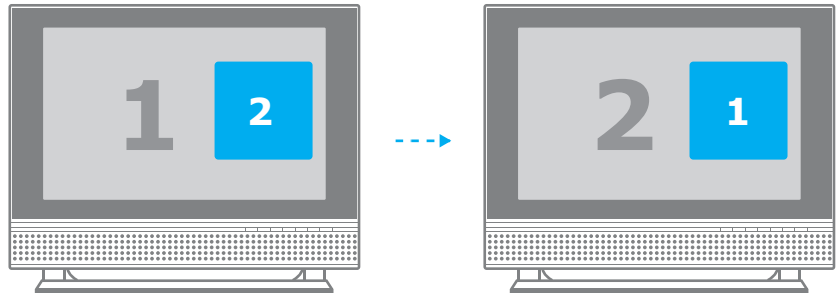
In case of Twin1 or Twin2



Using the PIP buttons in the RCU

You can use the PIP buttons on the remote control. Press **PIP/TWIN ( )** button repeatedly during watching TV channel to switch into PIP or Twin mode. Press **PIP INPUT ( )** button repeatedly to change the input mode in the small screen. Press **PIP POSITION ( )** button repeatedly to move the position of the small screen. Press the **PIP CH+ ( ) / PIP CH- ( )** button to change the TV Channels in the small screen. Press **SWAP ( )** button to exchange the picture in the main screen and small screen.

Using Digital Channels in PIP/TWIN Mode

You can watch two digital channels simultaneously using PIP/TWIN mode.

1. Press **PIP/TWIN ( )** button during watching digital TV channel.

2. Press **PIP INPUT ( )** button repeatedly, and change to **Digital TV** mode in the small screen.

3. Press **PIP CH+ ( ) / PIP CH - ( )** to change the channel in the small screen.

Note : There are the programme which you cannot watch in the small screen such as scrambled programmes or data programmes.
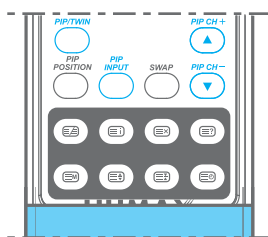
Changing the Sound

You can select the preferred sound settings which corresponds with the personal sound settings.
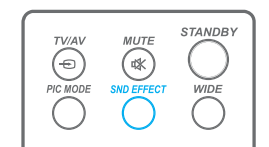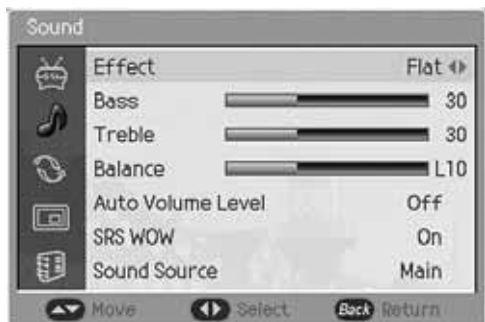
1. Press the **MENU (⭕)** button.
2. Select **Sound** using the ▲/▼ button, and press the **OK (ⓄK)** or ▶ button.

Effect

3. Select **Effect** using the ▲/▼ button and press the ◀ or ▶button to select a particular thing. If you select **User,** you can control the value manually.
   Flat : Speech : Movie : Music : User

4. On the Flat, Speech, Movie, or Music, the value of the Bass, Treble, and Balance change automatically. You can also set these options simply by pressing the **SND EFFECT**(Sound Effect) button.

Item	Setting Change	
Bass	◀ 0 ▶	Adjusts low sounds
Treble	◀ 0 ▶	Adjusts high sounds
Balance	◀ 0 ▶	Adjusts left and right volumes

Note : If you change the value of the Bass, Treble, and Balance, the User is selected automatically.

Auto Volume Level

5. Select **Auto Volume Level** using the ▲/▼ button and press the ◀ or ▶ button to select **On** or **Off.**

**Note : Auto Volume Level can adjust the volume every time the channel is changed.**

SRS WOW

6. Select **SRS WOW** using the ▲/▼ button and press the ◀ or ▶ button to select **On** or **Off.**

Note : The benefits of SRS WOW sound are enormous. You can be completely enveloped in sound: just as if you were at a concert hall or cinema.

Sound Source

7. Select **Sound Source** using the ▲/▼button and press the ◀or ▶ button to select **Main** or **PIP/TWIN.**

Note : You can hear the sound of small screen or main screen according to your selecting.
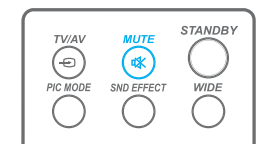
Using the Sound buttons in the RCU

You can use the Sound buttons in the remote control. Press the **MUTE (🔇)** button to mute the sound. If you press again, the sound will be reactivated.

Setting Up the System (Time Setting)

Setting the Current Time

You can set the current time. If you wish to use the Power On or Off Time, you must also set the Local Time.

1. Press the **MENU (** ◯ ^MENU **)** button.
2. Select **System** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.
3. Select **Time Setting** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.
4. Select **Date** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.
5. Press the ▲/▼/◀/▶ button to set the current date.
6. When you are satisfied with your choice, press the **OK (** OK **)** button to store the date Language.
7. Select **Local Time** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.
8. Press the ▲/▼/◀/▶ button to set the current time.
9. When you are satisfied with your choice, press the **OK (** OK **)** button to store the time.

Note : This LCD-TV sets and update the time automatically by the air, if you successfully search digital terrestrial channels. You must set the GMT Offset value in DTV Setup menu. Refer DTV Setup - Preferences - Local Setting for more detail information.

Automatically Tuning the TV On and Off

You can automatically switch on or off at the time you select.

1. Press the **MENU (** ◯ ^MENU **)** button.
2. Select **System** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.
3. Select **Time Setting** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.
4. Select **Power On/Off Time** using the ▲/▼ button, and press the ◀ or ▶ button to select **Enable** or **Disable**.
5. In the Enable mode, Select **Timer** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.
6. Press the ▲/▼/◀/▶ button to set the time.
7. When you are satisfied with your choice, press the **OK (** OK **)** button to store the time.
8. Select **Auto Power Off** using the ▲/▼ button, and press the ◀ or ▶ button to select **Enable** or **Disable**. In setting the Auto Power Off to Enable, the LCD TV turns off automatically if there is no signal.

Setting Up the System

Language

1. Press the **MENU (◯)** button.
2. Select System using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
3. Select **Language** using the ▲/▼ button, and press the ◀ or ▶ button to select a particular language.
   English : German : Italiano : French : Swedish

OSD Transparency

1. Press the **MENU (◯)** button.
2. Select **System** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
3. Select **OSD Transparency** using the ▲/▼ button, and press the ◀ or ▶ button to set the transparency.
   High : Medium : Low

AV2 Output

1. Press the **MENU (◯)** button.
2. Select **System** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
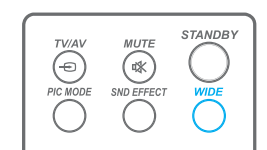3. Select **AV2 Output** using the ▲/▼ button, and press the ◀ or ▶ button to select a particular thing.
   **Digital TV : Analog TV : AV1 : AV2 : AV3 : AV4 : S-Video**

Antenna Power

1. Press the **MENU (◯)** button.
2. Select **System** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
3. Select **Antenna Power** using the ▲/▼ button, and press the ◀ or ▶ button to select On or Off.

Aspect Ratio

You can select the picture format you prefer.

1. Press the **MENU (◯)** button.
2. Select **System** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
3. Select **Aspect Ratio** using the ▲/▼button, and press the ◀ or ▶ button to select a particular thing.

   _ **Auto** : The screen format will automatically become optimized.
   _ **4:3 , 14:9 , 16:9** : Setting for the 4:3, 14:9, or 16:9 screen format.
   _ **Zoom1, Zoom2** : Expansion to the Zoom1 or Zoom2 ratio

Note : If you wish to change the Aspect Ratio, you must set the PIP/TWIN mode to Off.
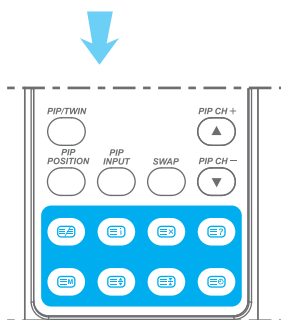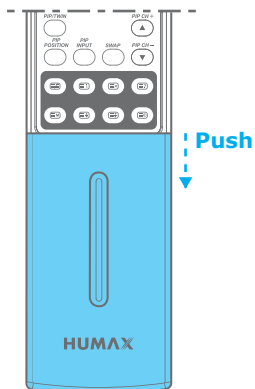
Backlight Brightness

1. Press the **MENU (◯)** button.
2. Select **System** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
3. Select **Backlight Brightness** using ▲/▼ button, and press the ◀ or ▶ button to set the brightness of LCD panel.
   High : Medium : Low

Displaying the Teletext Information

You can display Teletext information at any time on your TV.
Most TV channels broadcast information via teletext. Each channel which broadcasts teletext transmits a page with information on how to use its teletext system. Depending on the TV channel, teletext is transmitted in different systems. The colours used in the options line correspond with the colour buttons of your remote control.

For Teletext information to be displayed correctly, channel reception must be stable, otherwise:
+ Information may be missing
+ Some pages may not be displayed

Press the **TELETEXT/MIX (** ▤ **)** button to display teletext.
And you can control the Teletext functions using the following buttons.

Special Teletext Functions

TELETEXT/MIX ▤		Displays teletext with TV picture. Changes to Mix mode.
INDEX ▤		Return to index page.
UPDATE ▤		Display the TV picture on the screen while waiting for the new teletext page.
REVEAL ▤		Displays the concealed information.
MODE ▤		Displays the mode.
SIZE ▤		Displays the text size as double size.
HOLD ▤		Hold function during teletext display.
TIME ▤		Displays the time.

You are in teletext mode, so only teletext functions are available.

PC Main Menu
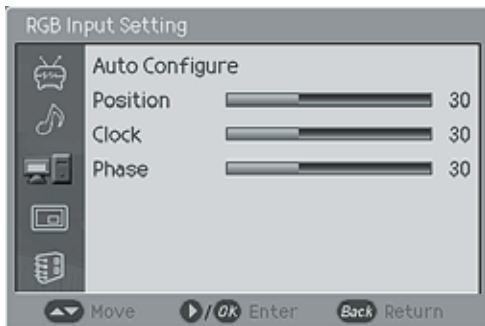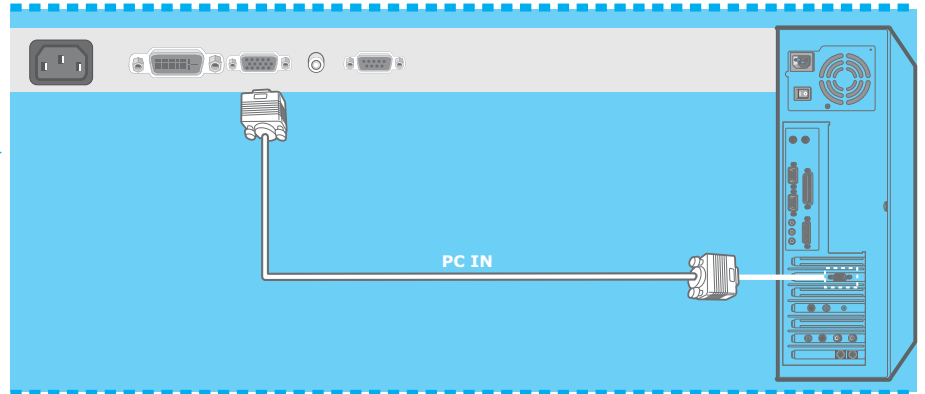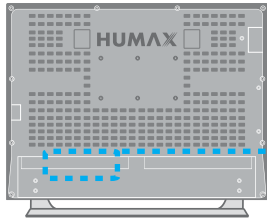
1. Press the **TV/AV (⊖)** button to switch to the PC.

2. Select **PC** using the ▲/▼ button, and press the **OK (OK)** button.

3. Press the **MENU (○)** button.

4. Select **PC Input Setting** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

5. Select the following item using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
   _ **Auto Configure** : Automatically optimizes the status of screen. This is recommended when connecting a new PC.
   _ **Position**   : Move the screen to the right, left, bottom or Up.
   _ **Clock**   : Adjusts the horizontal size of screen by increasing or decreasing the number of pixels.
   _ **Phase**   : Sets the focus of screen.

Digital TV - Contents

1.Digital TV Channel Setup

When you purchase your LCD-TV, you can run the Automatic Search.
It immediately performs Channel Search.(You can also run the digital TV channel setup in Default Setting.)

1. Turns on the TV in the DTV mode.

2. Displays the message to search and press the **OK (** OK **)** button.

3. Starts the Automatic Search. Please wait for finishing the Channel Search. If you want to stop the Channel Search, select the **OK (** OK **)** button. If the Channel Search is stopped or finished, press the **OK (** OK **)** button to save the result of the channel search.

Once the channel search has finished, you can enjoy digital television.

Warning : If you exit the Automatic Search without fully completing the channel searching procedure, you may not have any digital TV channels stored. In this case, you can use the Installation Menu to configure your LCD-TV as required.

2.Basic Operation

This chapter describes functions such as switching channel, changing language, and basic features for watching programmes.

2.1 Switching Channel

You can switch the current channel using one of the following methods.

1. Press the **CH (▲/▼)** button.
2. Enter your desired channel number using the **NUMERICAL (0~9)** button to move to the channel directly.
3. Press the **DTV CH ($\overset{DTV CH}{\bigcirc}$)** or **RADIO CH ($\overset{RADIO CH}{\bigcirc}$)** button to switch between TV channel and Radio channel.

Note : You can switch channel using the channel list or programme guide.

2.2 Change the Subtitle Language

If the current programme provides Subtitle information, you can select the language for the Subtitle.
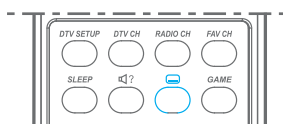
1. Press the **SUBTITLE ($\overset{\ominus}{\bigcirc}$)** button to display the subtitle language list.

2. Select your desired subtitle language using the ▲/▼ button, and press the **OK (OK)** button. Then the subtitle will be displayed in the selected language at the bottom of the screen.

3. Select **OFF** from the subtitle language list if you do not wish to display subtitles in the screen.

Note : You can select a default subtitle language by selecting DTV Setup - **Preferences - Local Setting - Subtitle Language.**

2.3 Change a Audio Language

If the current programme is available in multiple audio languages, you can select the language that you wish to listen in.
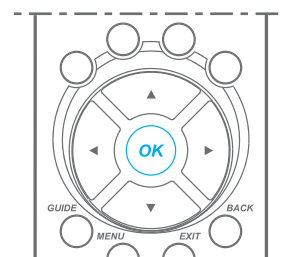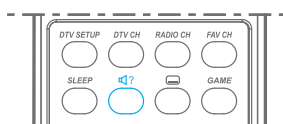
1. Press the **SOUNDTRACK ($\overset{\triangleleft ?}{\bigcirc}$)** button to display soundtrack list.

2. Select your desired audio language using the ▲/▼and **OK (OK)** button to change the audio soundtrack.

3. Select Audio preference(left, right, stereo) using the ◀/▶ buttons.

4. Press the **EXIT ($\overset{EXIT}{\bigcirc}$)** or **SOUNDTRACK ($\overset{\triangleleft ?}{\bigcirc}$)** button to exit the soundtrack list.

2.Basic Operation

2.4 Program Information-Information Banner (I-plate)

Programme information is always displayed for a specific period of time whenever you switch channels. You can view the programme information by pressing the **INFO (INFO)** button twice while watching a programme. Press the **EXIT (EXIT)** button to hide the I-plate.

1. General Information

The General Information is displayed at the bottom of the screen as followings.

1. Channel number and channel name
2. Programme name

3. Icons

Icon	Description
	Displayed only if this programme is reserved.
(13)	Represents the recommended minimum age for the current programme.
	Displayed only when the channel is a locked channel.
	Displayed only when the channel is a scrambled channel.
	Displayed only when subtitle information is available.
	Displayed only when there is any teletext information.
Digital	Displayed only when the programme is broadcast in Dolby Digital.

4. Current time
5. Detailed programme information : displayed if detailed programme information is provided.

2.Basic Operation

6. Next programme Information : displayed if next programme information is provided. Press the ▶ button to display the next programme information.

Note : If there is no available programme information, programme information is not displayed.

2. Detailed Programme Information

You can see detailed information about the current programme. Press the **INFO** ((INFO)) button.
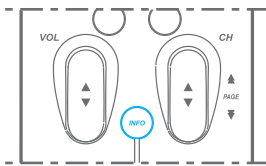
Note :
_ Press the INFO ((INFO)) button again to hide the information box.
_ If the detailed programme information is more than one page, use ▲/▼ button to move to the previous or next page.

2.5 MHEG Application

The MHP application makes possible not only access to the Internet and exchange e-mail through TV but also put the receiver directly into conventional television state.

1. Press the **TXT (** (TXT) **)** button or the key which the data programme help you to press.
2. Select your desired application using the button, and press the **OK (** (OK) **)** or ▶ button.

Note : Please refer to the detailed information of each MHEG application if you operate the MHEG application.

3. DTV - Channel List

3.1 Displaying and Switching Channel List

You can display channel list using **LIST (⬭ᴸᴵˢᵀ)** button and switch to other channels on the channel list.
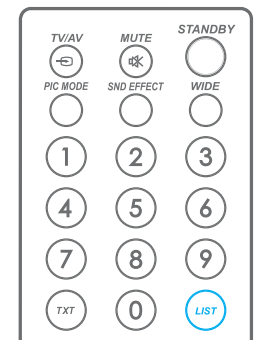
1. Press the **LIST (⬭ᴸᴵˢᵀ)** button while watching a channel to display the channel list.

2. Select your desired channel using the ▲/▼ button and press the **OK (⊙ᴼᴷ)** button to change the channel.

3. Enter the channel number directly using **NUMERICAL (0~9)** button to move cursor on to your desired channel. And then press the **OK (⊙ᴼᴷ)** button to change to the selected channel.
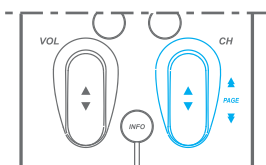
Note:
_ Within the channel list, press the **PAGE (▲ / ▼)** buttons to move on page-by-page basis.
_ Whenever you press the **DTV CH (⬭ᴰᵀⱽ ᶜᴴ)** or **RADIO CH (⬭ᴿᴬᴰᴵᴼ ᶜᴴ)** button while the channel list is displayed, the channel list will be switched between the TV and Radio channel list.

3.2 Edit Channels

You can edit all channels or each channel by channel list group.
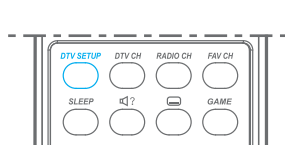
1. Press the **DTV SETUP (⬭ᴰᵀⱽ ˢᴱᵀᵁᴾ)** button.

2. Select **Edit Channels** using the ▲/▼ button, and press the **OK (⊙ᴼᴷ)** or ▶ button.

3. Select **Edit Channel Lists** using the ▲/▼ button, and press the **OK (⊙ᴼᴷ)** or ▶ button.

4. You will be prompted to enter your password. Enter your password using **NUMERICAL (0~9)** buttons.
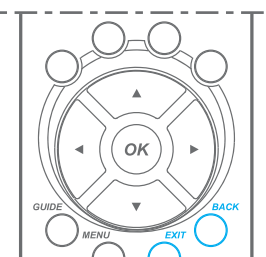
Note :
_ Press the **BACK (⬭ᴮᴬᶜᴷ)** or ◀ button to save the changes and return to the previous menu, press the **(⬭ᴱˣᴵᵀ)** button to exit the menu screen.
_ You can easily navigate all menus using the assigned number for each menu. Press the **MENU** then select DTV Setup and then the numbers 2,1 to select **Edit Channel List** menu.

3. DTV - Channel List

1. Select a Channel Group

You can select the channel list group to edit TV or Radio.

1. Press the **OK (** OK **)** or   button in Group to display channel list group.

2. Select your desired channel list group using the ▲/▼ button, and press the **OK (** OK **)** button.
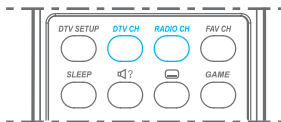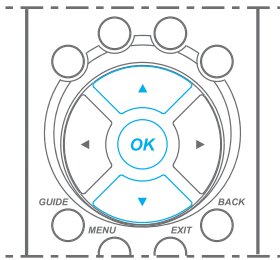
Note :
_ **Press the DTV CH (** ◯ **) or RADIO CH (** ◯ **)button to move to TV or RADIO channel list directly.**
_ **For editing Favourite channel list, move to DTV Setup - Edit Channels - Edit Favourite Channels menu.**

2.Delete Channels

You can delete one or more channels.

1. Move the cursor to the channel list using the ◄/► button.

2. Select your desired channel, and then press the **OK (** OK **)** button. You can select multiple channels.

3. Select **Delete** in the right using the ► button, and press the **OK (** OK **)** button.
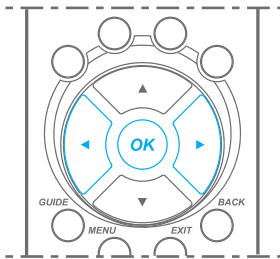
3. DTV - Channel List

4. Lock/Unlock Channels

You can lock or unlock one or more channels.

1. Move the cursor to the channel list using the ◀/▶ button.

2. Select your desired channel, and then press the **OK (OK)** button. You can select multiple channels.

3. Select **Lock** in the right using the ▶ button, and press the **OK (OK)** button.

5. Select/Unselect All Channels

You can select/unselect all channels at a time.

1. Select **Select All** in the right and press the **OK (OK)** button to select all channels.

2. Select **Unselect All** in the right and press the **OK (OK)** button to unselect all the selected channels.

3. DTV - Channel List

3.3 Edit Favourite Channels

You can edit Favourite channel or Favourite channel list.

1. Press the **DTV SETUP (** ⬭ *DTV SETUP* **)** button.

2. Select **Edit Channels** using the ▲/▼ button, and press the **OK (** OK **)** button.

3. Select **Edit Favourite Channels** using the ▲/▼button, and press the **OK (** OK **)** or ▶ button.

4. Select a channel using the ▲/▼ button, and press the **OK (** OK **)** button. The selected channel is moved into the **Favourite.**

5. Move between TV and Favourite using the ◀/▶button. In this way , you can return the channel.

Edit Favourite Channels

📺 TV	Favourite
2 BBC TWO	1 BBC ONE
7 BBC THREE	
70 CBBC	
40 BBC NEWS 24	
51 BBCi	

If you want to select / release, press OK
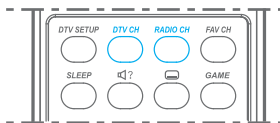
Note :
_ **Press the DTV CH (** ⬭ *DTV CH* **) or RADIO CH (** ⬭ *RADIO CH* **) button to move to TV or RADIO channel list directly.**
_ **Press the BACK (** ⬭ *BACK* **) or ◀ button to save the changes and return to the previous menu. Press the EXIT (** ⬭ *EXIT* **) button to exit the Menu screen.**

4. DTV - Programme Guide

The Programme Guide displays programme information about each channel, based on the date and time. You can also schedule your recording using the information given.

Note : Press the GUIDE (◯) button to exit the Guide screen.

4.1 Viewing Programme Guide Information

You can view programme information for all channels.
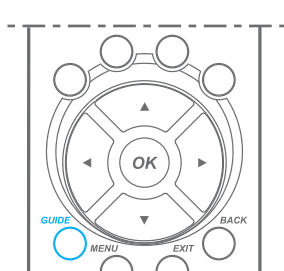
1. Press the **GUIDE (◯)** button.

2. Move to previous or next programme within the same channel using the ◄/► button.

3. Move to other desired channel using ▲/▼ button. If there are multiple channels, use **PAGE (▲ / ▼)** button to move to channels by page. Also, you can enter your desired channel number using the **NUMERICAL (0~9)** buttons on the remote control to move to the channel directly.

4. Select your desired programme, and press the **OK (OK)** button. Then you can watch the programme if it is on air, or you can reserve it if it is the future programme.

5. Press the **INFO (INFO)** button in the selected programme to view **Extended Information** for the selected programme.

1. Viewing Guide Information by Another Group

You can view programme information for desired channel list by groups.
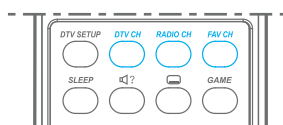
1. Press the **GUIDE (◯)** button.

2. Press the **RED** button to change the channel list group or press the **DTV CH (◯), RADIO CH (◯)**, or **FAV CH (◯)** buttons.

3. The Programme Guide for selected channel list is displayed.

Note : Press the DTV CH (◯) or RADIO CH (◯) button to move to TV or RADIO channel list directly.

4. DTV - Programme Guide

2. Viewing Programme Information Using Time Bar

You can quickly search for your desired time slot using the Time bar.
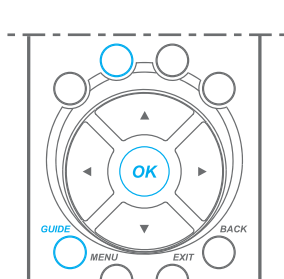
1. Press the **GUIDE (◯** _GUIDE_ **)** button.
2. Press the **GREEN** button to display the Time Bar.
3. Select the each button using the ◀/▶ button, and press the **OK (OK)** button to move as your desired amount of time. If you press the button repeatedly, the same operation is repeated.
4. Each button functions as follows.
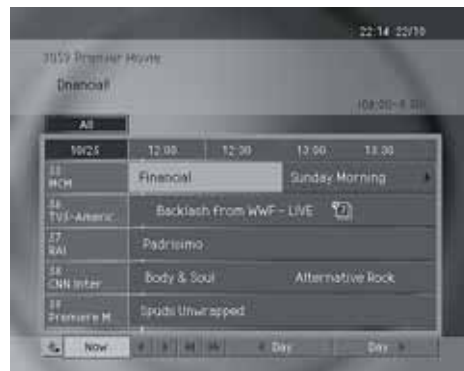
Now : Moves to the current programme where the cursor is located.
◀ : Moves to the previous programme or 30 minutes before.
▶ : Moves to the next programme or 30 minutes after.
◀◀ : Moves to 2 hours before.
▶▶ : Moves to 2 hours after.
◀**Day** : Moves to one day before.
Day▶ : Moves to one day after.

5. Select ⟲ and press the **OK (OK)** button to exit the Time Bar.

Note : The guide provides programme information from the previous day to the next 7 days.

4.2 Finding a Programme

You can find your desired programme by programme name or genre.

Finding a Programme by Programme Name
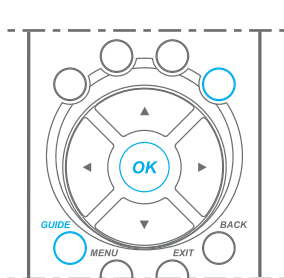
1. Press the **GUIDE (◯** _GUIDE_ **)** button.
2. Press the **BLUE** button to display **Find** screen.
3. Enter the programme name directly using the keyboard displayed on the screen.
4. When completing entering programme name, select the **Find**, and press the **OK (OK)** button.

Note :
_ Select ▲/▼/◀/▶ button and then press OK (OK) button to enter the programme name on the keyboard screen.
_ If you select Previous or Next on the Keyboard displayed on the screen and press OK (OK) button, the keyboard layout is switched.

4. DTV - Programme Guide

Finding a Programme by Programme Genre
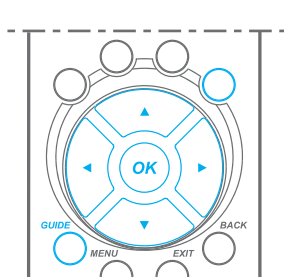
1. Press the **GUIDE (⬭)** button.

2. Press the **BLUE** button to display **Genre** screen.

3. Select **By Genre** and press the **OK (OK)** button to search programme by genre.

4. Select your desired genre using ▲/▼/◄/► button and press the **OK (OK)** button.

5. If you select your desired programme from the **Found Programme List** screen and press the **OK (OK)** button, you can watch the programme if it is on air.

4.3 Adding Reservations by Guide

You can automatically reserve to watch your desired programme.

1. Select the scheduled programme and pressing the **OK (OK)** button.

2. Select **Yes** using button and press the **OK (OK)** button.

3. When reservation has been completed, **(⌸)** the is displayed on the reserved programme.

When you cancel the reservation

1. Select **Yes** and press the **OK (OK)** button. The message will be displayed.

2. Select **Yes** and press the **OK (OK)** button to cancel the reservation.

5. DTV - Setting Preferences

You can set censorship classification, password, time and other options to enhance your viewing pleasure.
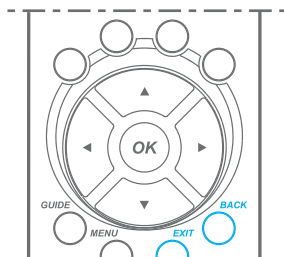
5.1 Parental Control

You can set parental control for each programme. You can also change your password.
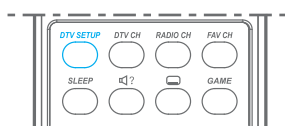
1. Press the **DTV SETUP (DTV SETUP ◯)** button.
2. Select the **Preferences** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
3. Select the **Parental Control** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
4. When prompting message is displayed to ask Password, enter the Password using the **NUMERICAL (0~9)** buttons.

Preferences
- ❶ Parental Control ▶
- ❷ Local Setting
- ❸ Miscellaneous Settings

Channel View Control

1. Setting Censorship

Censorship Classification allows you to block programmes according to the age level you have set.

1. Select the **Censorship Classification** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.
2. Select your desired **Age Level** using the ▲/▼ button, and press the **OK (OK)** button.

View All : All programmes can be watched because there is no age limitation.
7 : Programmes are blocked under the age of 7.
12 : Programmes are blocked under the age of 12.
15 : Programmes are blocked under the age of 15.
18 : Programmes are blocked under the age of 18.
Lock All : All Programmes are blocked without considering the age level.

Note : You have to enter your password to watch the programme which is blocked by the age restriction.

5. DTV - Setting Preferences

2.Change Password

You can change the current password into a new one.

1. Select **Change Password** using the ▲/▼ button, and press the **OK (OK) or ▶** button.

2. Enter **New Password** using the **NUMERICAL (0~9)** button, and select **OK** and press **OK (OK)** button.

3. Enter the New Password again to confirm the **Verify Password**, and select **OK** and press the **OK (OK)** button.

Note : The Default Password is 0000. If you have forgotten your Password, please contact your local LCD-TV distributor.

5.2 Local Setting

You can set a Language for Audio, and Subtitles and set the current time.

1. Press the **DTV SETUP (** ⟨DTV SETUP⟩ **)** button.

2. Select **Preferences** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

3. Select **Local Setting** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

1. Setting Current Time

You can set the GMT Offset for the current time.

1. Select **GMT Offset** using the ▲/▼ button.

2. Press the **OK (OK)** or ▶ button to display **GMT list**. GMT can be changed in 30 minutes / 1 hour steps.

3. Select your **GMT** offset using the ▲/▼ buttons, and press the **OK (OK)** button.

Note : The current time is set automatically whenever GMT Offset changes. The default item is Auto. If GMT Offset is Auto, the time will change to summer time (BST).

5. DTV - Setting Preferences

2. Audio/Subtitle Language

You can set the language for Audio and Subtitles. The default language is English.

1. Select **Audio / Subtitle Language** using the ▲/▼ button.
2. Press the **OK (** OK **)** or ▶ button to display the available **Language List**.
3. Select your desired language using the ▲/▼ button, and press the **OK (OK) button.**

3. Audio Priority

You can select the audio priority between language and Dolby Digital.

1. Select **Audio Priority** using the ▲/▼ button.
2. Press the **OK (** OK **)** or ▶ button to display either **Language or Dolby Digital**.
3. Select your desired option using the ▲/▼ button, and press the **OK (** OK **)** button.
    + Language   : You can watch a programme in the selected language.
    + Dolby Digital : You can listen in Dolby Digital sound.

Push

4. Subtitle Display

You can select whether or not to display the Subtitle automatically if provided.

1. Select **Subtitle Display** using the ▲/▼ button.
2. Select your desired option using the **OK (** OK **)** or ▶ button.
    + Auto   : Subtitles are displayed automatically in the predefined subtitle language.
    + Manual   : Subtitles are displayed in the language when you select the subtitle language by pressing the **SUBTITLE (**) button on the remote control.

5. Subtitle Font

You can select the Subtitle font.

1. Select the **Subtitle Font** using the ▲/▼ buttons.
2. Select your desired option using the **OK (** OK **)** or ▶ button.
    + Variable   **:** Uses the horizontally variable Subtitle Font.
    + Fixed   : Uses the fixed Subtitle Font.
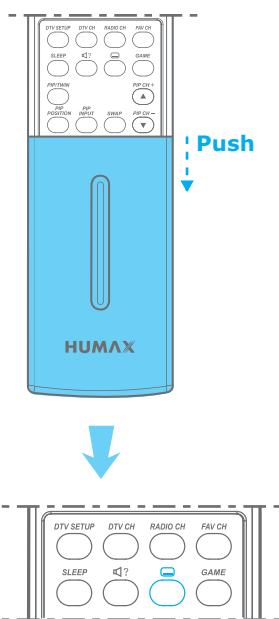
5. DTV - Setting Preferences

5.3 Miscellaneous Settings
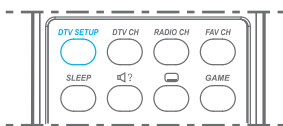
1. Press the **DTV SETUP (** ⬭ DTV SETUP **)** button.

2. Select **Preferences** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.

3. Select **Miscellaneous Settings** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.

1. i-Plate Display Time

You can set the duration during which the Information box is to be automatically displayed when you switch the channel.

1. Select **i-Plate Display Time** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.
2. Select a value between 1 ~ 20 seconds using the ▲/▼ button, and press the **OK (** OK **)** button.

6. DTV - Installation

6.1 Automatic Search

If your LCD-TV is connected to a suitable aerial(outdoor aerial recommended) you can automatically search channels without entering any other information.
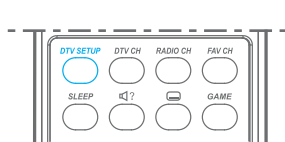
1. Press the **DTV SETUP (** ⌒ **)** button.

2. Select **Installation** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.

3. Select **Automatic Search** from Installation menu using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.

Search

Please wait while the LCD-TV searches for the channels, this may take a few minutes.

1. During the automatic search procedure, the cursor is located at **Stop**. If you press the **OK (** OK **)** button during the search, the operation is stopped and the channels found thus far will be displayed.

2. If the search operation has been successfully completed, and some or all channels are not found, press the **OK (** OK **)** button and perform to reset the search operation again if necessary.

3. You can delete unnecessary channels from the found channels. Select your desired channels to delete and press the **OK (** OK **)** button. Then select **Delete** and press the **OK (** OK **)** button. To delete all channels, select **Select All** to select all channels, select **Delete**, and press the **OK (** OK **)** button.

4. When completing Channel Search and deleting unnecessary channels, select **Save** to save the changes.

6. DTV - Installation

6.2 Manual Search

You can search channels manually by searching parameters, if you know the multiplex-parameters(check with your local broadcaster).
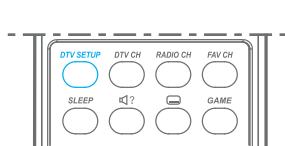
1. Press the **DTV SETUP ( )** button.
2. Select **Installation** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

3. Select **Manual Search** from Installation menu using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

4. Select **Channel, Frequency, Mode, Guard Interval, or Network Search** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

1. Channel Number

Enter your desired frequency channel number to search. When entering frequency channel number, the appropriate frequency value is entered.
Select one of channel using the ▲/▼ button, press the **OK (OK)** button.

2. Frequency

Enter the your desired frequency to search directly. When entering the frequency, the appropriate channel for the entered frequency is automatically displayed in Channel.
Enter frequency using the **NUMERICAL (0~9)** button and press **OK (OK)** button.

3. Mode

Required for Channel Search. If you don't know the value, please select Auto.
Select among **Auto, 2k** and **8k** using the ▲▼ button, and press the **OK (OK)** button.

4. Guard Interval

Required for Channel Search. If you don't know the value, please select Auto.
Select one option among **Auto, 1/4,1/8,1/16** and **1/32** using the ▲/▼ button, and press the **OK (OK)** button.

5. Network Search

If specified frequency channel information and other channel information are provided together, the channel, which belongs to other frequency channel, is also searched.
Select one option between **Enable** and **Disable** using the ▶ button.

6. DTV - Installation

6.3 Default Setting

Default Setting restores the LCD-TV to the default settings

Warning : Please Note that once you perform Default Setting, all data such as Aerial Setting information Channel List, and User Configured data are deleted.

To perform Factory Default:
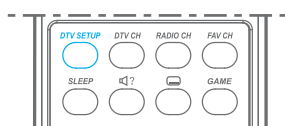
1. Press the **DTV SETUP (** _DTV SETUP_ ◯ **)** button.

2. Select **Installation** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.

3. Enter **Password** using the **NUMERICAL (0~9)** button.

4. Select **Default Setting** using the ▲/▼ button, press the **OK (** OK **)** or ▶ button.

5. Select **Yes** and press the **OK (** OK **)** button to restore all setting to Factory Default. Select **No** and press the **OK (** OK **)** or **BACK (** _BACK_ ◯ **)** button to return to the previous menu.

6. Confirm again to start loading default setting. Enter **Password** using the **NUMERICAL (0~9)** buttons to confirm that you wish to restore the default settings.

7. When default setting is completed, Installation Wizard is automatically displayed, which helps Channel Search. For detailed information about Installation Wizard, refer to **Chapter 1.**

Note : In the Default Setting, you need a Password to enter. The Default Password is 0000. If you have forgotten your Password, please contact your local LCD-TV distributor.

7. DTV - Software Upgrade

In order to maintain proper performance of this LCD-TV, it is essential to have the most up-to-date software. The latest news and release of software versions may be found at the **HUMAX website . http://www.humaxdigital.com.** It is recommended that you periodically check for the availability of software update.

7.1 OTA (Over the Air)

OTA, an abbreviation of **Over-the-Air**, means that the software can be downloaded through your aerial. The manufacturer reserves the right to decide when and where to release software by this process. The software update via your aerial will only occur under the following circumstances.

1. The equipment should have appropriate loader software inside LCD-TV.

Caution : Please note that if you don't have the official loader software, the equipment may not function correctly after a software update.

2. The manufacturer decides to release software downloading via a designated antenna system

3. The equipment must be **tuned** properly following the guidelines within this manual.

4. Upgrade software when the quality of the receiving signal strength is high. If poor weather conditions where the quality of receiving signal is not high, please perform the software update later.

Caution :
_ **Please be careful to keep the power on and the power cord plugged in during software update.**

_ **Please be careful not to pull out the aerial (co-axial Cable) during software update. The update may be interrupted and the LCD-TV may not work.**

Note :
_ **Other functions of the LCD-TV will not work at all during software update.**

_ **Scheduling operation will not work during software update.**

7. DTV - Software Upgrade

1. If new software is found when powering on

1. A message will be displayed to notify that new software is found.

2. Select **Yes** and press the **OK ((OK))** button to update the software.

3. Starts downloading new software. Please wait until the updated is completed.

4. When completing the software update, the equipment is automatically powered off and on again.

2. If updating software from Menu
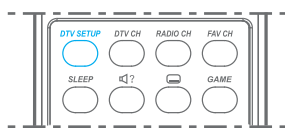
1. Press the **DTV SETUP ( )** button.

2. Select **Installation** using the ▲/▼ button, and press the **OK ((OK))** or ▶ button.

3. Enter **Password** using the **NUMERICAL (0~9)** button.

4. Select **Software update** using the ▲/▼ button, and press the **OK ((OK))** or ▶ button.

Automatic Update

You can set the LCD-TV to find HUMAX software updates and update software automatically.

1. Select **Automatic Update** using the ▲/▼ button, and press the **OK ((OK))** or ▶ button. Automatically search for new software.

2. When detecting updated software, the following result is displayed. If new software is not found by Automatic Update, use Manual Update.

3. Select **Yes** and press the **OK ((OK))** button to start updating. Select **No** and press the **OK ((OK))** button to return to the previous menu without updating. Select **Later** and press the **OK ((OK))** button to update later. That means the update menu displays as soon as you turn on the LCD-TV next time.

4. When completing the software update, the LCD-TV is automatically powered off and on again.

7. DTV - Software Upgrade

Manual Update

You can perform Manual Update only if you know the multiplex information of the software update correctly.

1. Select **Manual Update** using the ▲/▼ button, and press the **OK** ((OK)) or ▶ button.

2. Select the channel number which provides updated software. You can also enter the frequency instead of channel number in which updated software is provided.

3. Select **Mode.** If the information is not known, then **Auto** can be selected.

4. Select **Guard Interval.** If the information is not known, then **Auto** can be selected.

Note : How to set parameters in **Manual Update** is the same as how to set parameters in **Manual Search. Refer to Manual Search.**

5. Select **Search** and Press the **OK** ((OK)) button to search software.

6. It will display whether or not New Software exist. If new software does not exist, press the **OK ((OK))** button to return to the Manual Update Menu.

7. Select **Yes** and press the **OK ((OK))** button to start updating. Select **No** and press the **OK ((OK))** button to return to the previous menu. Select **Later** and press the **OK ((OK))** button to update later.

8. Performs Software Update. Please wait until it is completed.

9. When completing the software update, the LCD-TV is automatically powered off and on again.

7. DTV - Software Upgrade

Regular Auto Update

You can specify the software detecting time. If the LCD-TV powers on during software auto-detecting, Detecting will stop.

1. Select **Software Auto - Detecting** using the ▲/▼ button, and press the **OK (** OK **)** or ▶ button.

2. Select **Enable or Disable** and press the **OK (** OK **)** or ▶ button whether or not setting the software detecting time automatically.

3. When you select **Enable**, you can set the detecting time in the **Auto - Detecting** Time.

7.2 Software Update from PC

You can connect your LCD-TV to the PC directly and update your software by transferring the new software from the PC. Follow these steps to download new software from a PC to this LCD-TV.

1. Download new software file(HDF) suitable for this LCD-TV model from our website into your computer **(http://www.humaxdigital.com).**

2. Download and install download tool from our website into your computer.

3. Connect your PC to this LCD-TV with an **RS-232C** serial cable(not supplied).

4. Execute installed download tool, and then follow the instructions contained within the download tool.

5. Press the **STANDBY (** STANDBY **)** button to start download.
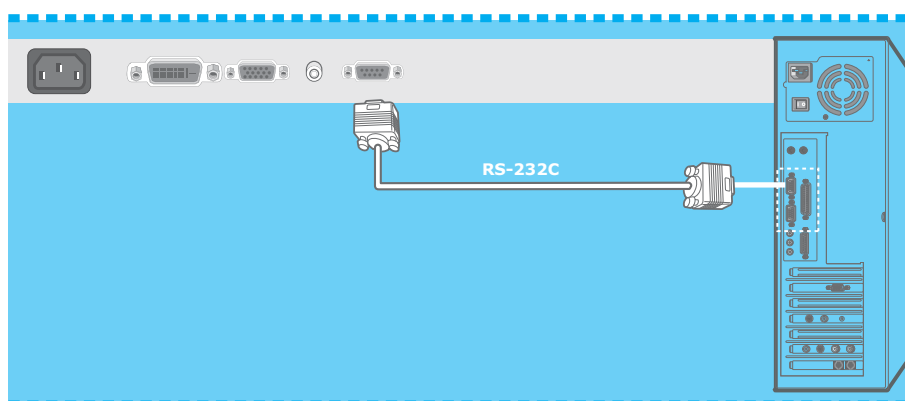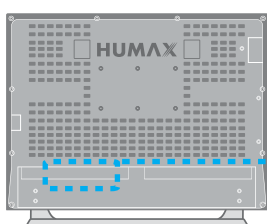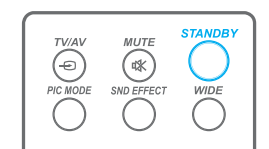
8. System Information

You can view all system information, and signal detection.

1. Press the **DTV SETUP (⌒)** button.
_{DTV SETUP}

2. Select **System** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

8.1 Status

You can view the System information

1. Select **Status** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

2. Confirm the information about **Hardware version, Software version, Loader version, System ID, and Update Date.**

8.2 Signal Detection

You can view the signal strength and signal quality reception for the channel that is currently being viewed.

1. Select **Signal Detection** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

2. Display information about the aerial and multiplex, which current channel belongs to and the graphs and percentage of Signal Strength and Quality of the channel.

8. System Information

8.3 Common Interface

You can view the current status of the CI module.

1. Select **Common Interface** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

2. Select **Slot 1**, and press the **OK (OK)** or ▶ button.

3. If Common Interface is available, you can view information about each Slot.

Note : The displayed information about each Common Interface may differ depending on Common Interface type.

9. Game

This LCD-TV provides various games for user's entertainment.

1. Press the **DTV SETUP (DTV SETUP)** button.

2. Select **Games** using the ▲/▼ button, and press the **OK (OK)** or ▶ button.

3. According to the instruction displayed on screen, you can enjoy the game using ▲/▼/◀/▶ and **OK (OK)** button.

Note : Press the EXIT (EXIT) or BACK (BACK) button to exit the game.

Menu Map

Digital TV MENU

Preferences
- Parental Control
- Local Setting
- Miscellaneous Settings

Edit Channels
- Edit Channel List
- Edit Favourite Channels

Installation
- Automatic Search
- Manual Search
- Software Update
- Default Setting

System
- Status
- Signal Detection
- Common Interface

Game

Menu Map

LCD TV Menu

Picture
- Mode
- Brightness
- Contrast
- Sharpness
- Colour
- Colour Temperature

Sound
- Effect
- Bass
- Treble
- Balance
- Auto Volume Level
- SRS WOW
- Sound Source

Analogue TV — **Channel**
- Auto Programme
- Manual Programme
- Edit Programme

Digital TV — **Setup Digital Channel**

PIP/TWIN
- Main Input
- PIP/TWIN
- PIP/TWIN Input
- PIP Position
- Swap

System
- Language
- Time Setting
- OSD Transparency
- AV2 Output
- Antenna Power
- Aspect Ratio
- Backlight Brightness

PC Main Menu

RGB Input Setting
- Auto Configure
- Position
- Clock
- Phase

Trouble Shooting

Before contacting your local service dealer, please make sure you refer to the following guide. If the LCD-TV does not work normally after completing the following trouble shooting, please contact your local LCD-TV distributor or service centre.

1. No message is displayed on the front panel or the LCD-TV has no power
+ Check the main power cable and check that it is plugged into a suitable power outlet.
+ Check whether the Power Switch is On.

2. No picture
+ Make sure that the LCD-TV is in Operation Mode.
+ Make sure that the AV Cable(SCART, SVHS, etc) is firmly connected to the LCD-TV.
+ Make sure that the aerial is correctly connected to the equipment.
+ Make sure that the aerial Setting is correct.
+ Check the brightness level of the LCD-TV.
+ Check the channel is on air.

3. Poor picture & sound quality
+ Install aerial make sure to avoid putting mobile phone or mircrowave oven near around the equipment.
+ Use 75 Ω coaxial cable to connecting LCD-TV and aerial.

4. No or poor sound
+ Check the volume level of the LCD-TV.
+ Check the Mute status of the LCD-TV.
+ Press the Audio button to change the Sound Track type.

5. Remote Control does not operate
+ To manipulate the equipment with Remote Controller, the remote control's emitting part should be pointed directly towards the receiving part of LCD-TV's remote sensor.
+ Check the battery of remote control.

Trouble Shooting

Error Message

Error message	Possible causes	What to do
No or bad signal	+ The aerial is not installed correctly.	+ Adjust aerial. + Check the cable from the aerial. If you cannot resolve the problem you may need to have your aerial and installation tested by a professional.
The channel is scrambled or not available.	+ The channel has a signal but no audio or video. + The channel is for data broadcasting.	+ Confirm if the channel is currently on air. + You cannot watch the channel in the usual way.
The channel is scrambled.	+ This digital terrestrial receiver does not support the service that enables descrambling of the scrambled channels.	+ Please contact your local dealer for an appropriate CI Module and viewing card.
The audio is not available.	+ The channel has signal, but no Audio.	+ Press the **DTV / AUDIO** button to confirm if the channel has Audio.
The temperature is too high : please turn it off.	+ The internal temperature of the TV is too high.	+ **Please turn it off.** If this problem occurs continually, contact the call center.

Trouble Shooting

Error Message

Problem	Check item
No picture on screen and No sound from speakers.	+ Insert the AC power cord plug securely in AC power outlet. + Make sure the remote control is not in the standby mode (The POWER/Standby indicator is Orange colour.) + Turn on the MAIN POWER button on the bottom of the display.
No picture / No picture from AV terminal.	+ Check the brightness setting of the display. + Lamp may have malfunctioned. + Check the cable from the VIDEO INPUT terminal.
Picture is displayed, But no sound from the Speakers.	+ Check the sound setting. + Make sure the sound is not muted. + Make sure headphones are not connected. + Check the setting of AV OUTPUT terminal.
Picture is too light.	+ Check the COLOUR and CONTRAST settings.
Picture is too dark.	+ Make sure the BRIGHTNESS setting is not set too low.
Remote controller does not work.	+ Change the batteries. + Make sure the LCD-TV remote sensor is not facing a strong light source.
The picture is not sharp. **The picture moves.**	+ The reception may be weak. + The quality of the broadcast may also be poor. + Make sure the aerial is facing the right direction. + Make sure the outside aerial is not disconnected.
The picture is double or tripled.	+ Make sure the antenna is facing the right direction. + The signal may be reflected from mountains or buildings.
The picture is spotted.	+ There may be interference from cars, trains, high voltage lines, neon lights, etc. + There may be interference between the aerial cable and power cable. + Try positioning them further apart.
There are strips on the screen or colours fade.	+ Is the unit receiving interference from other devices ? + Transmission antennas of radio broadcasting stations and transmission antenna of amateur radios and cellular phones may also cause interference. + Use the unit as far apart as possible from devices that may cause possible interference.

Specification

Specification

Item		Specification	
LCD Panel	**+ Type**	- Colour active matrix TFT-LCD	
	+ Display Area	- 26.0" (566.4 (W) x 339.84 (H) mm)	
	+ Display Colour	- 16.7 M	
	+ Pixel Pitch	- 0.4425mm x 0.4425mm	
	+ Max. Resolution	- 1280 x 768 pixels	
	+ Interface	- LVDS Interface with 1 pixel / clock (CR $\geq$ 10)	
	+ Viewing Angle	- R/L : 170 , U/D : 170	
	+ Contrast Ratio	- 800:1 (Typ)	
	+ Brightness	- 450cd/m² (Typ)	
	+ Horizontal Frequency	- 48.5 kHz	
	+ Vertical Frequency	- 60Hz ~ 75Hz	
	+ Dimension	- 627.0 (H) x 389.0 (V) x 49.0 (D) mm (Typ)	
PC Monitor	**+Sync**	- Separate	
	+Horizontal Frequency	- 31~61kHz	
	+ Vertical Frequency	- 58~85Hz	
	+ Max. Resolution	- 1024 x 768 pixels@75Hz, 1280 x 1024 pixels@60Hz	
Input / Output	**+ Video Input**	- Analog Tuner(1), Digital Tuner(2), SCART(3), RCA, RGB, S-Video, Component, DVI	
	+ Audio Input	- PC Audio, Component (R / L), RCA (R / L)	
	+ Audio Output	- S/PDIF, Speaker, Headphone	
	+Data Interface	- RS-232C (for S/W Upgrade)	

Item		**Analogue**	**Digital**
TV Signal	**+ Area**	- EU	- EU (MHEG)
	+ Antenna Input	- IEC 169-2 Female	- IEC 169-2 Female
	+ Tuning System	- FS	- OFDM DVB-T
	+ Colour System	- BG, I, DK	- BG, I, DK
	+ Sound System	- Nicam, A2	- MPEG1 Layer 1/2
	+ VHF Low	- 48.25 ~ 158.00MHz	- 51MHz ~ 858MHz
	+ VHF High	- 160.00 ~ 442.00MHz	
	+ UHF	- 442.00 ~ 863.25MHz	
	+ Teletext	- Yes	- Yes

Item		Specification	
Regulation	**+ Safety**	- CE	
	+ EMI	- CE	
Others	**+ Power**	- 140 Watt (Typ)	
	+ Speaker Output	- 7W x 2EA	
	+ Plug & Play Level	- DDC 1/2B	
	+ Weight	- NET 22.5Kg / Gross 27.5Kg	
	+ Power Supply	- 90 ~ 260V	

57. Specification

Glossary

Programme Guide (Electronic Programme Guide, EPG)

A electronic program guide (EPG) is transmitted by the broadcasters.

Frequency

The number of cycles or events per one second, which is expressed in the unit of hertz

FTA (Free- To-Air)

An unscrambled broadcast, which you can view without additional payments to a service provider.

Hi-Fi (High Fidelity)

The characteristics of audio devices that can play back all the audio frequencies, which are in the range of 16Hz ˜ 20KHz, uniformly from low frequencies to high frequencies.

OSD (On Screen Display)

The function that displays the information about the monitor that the user needs or has to know on the screen directly. OSD information includes brightness, contrast, tuning, RGB adjustment, and screen size and positions (top, left, width, and height), and so on.

OTA (Over The Air)

An abbreviation of over the air, means that software can be downloaded through your aerial.

SCART

A 21-pin connector used for connection of this LCD-TV to your VCR or DVD player.

S/PDIF (Sony/Philips Digital Interface format)

Optical format for digital audio output. It outputs audio signals directly as digital audio signals without changing into analogue signals because conversion into analogue signals can degrade signal quality.

Service and Support

You can get information such as a troubleshooting guide, software upgrades and product support guide from the following web sites and call center (Hotline). Please try to contact to your local dealers first when you have any problem.

Web site and e-mail

Homepage

http://www.humaxdigital.com	(English)
http://www.humaxdigital.com	(Deutsch)
http://www.humaxarabia.com	(Arabic)

HCSA (Humax Customer Service Area)

Software Download, Information and Technical Q&A

http://www.humaxdigital.com / hcsa	(English)
http://www.humaxdigital.com /Deutsch / hcsa	(Deutsch)

E-mail (Technical Q&A)

tech-info@humax-digital.co.uk	(Europe & North Africa)
techinfo@humax-digital.de	(Germany)
callcenterME@humaxdigital.com	(Middle East)
Webmaster@humaxdigital.com	(Asia & Other area)

Call Center

HUMAX Hotline (United Kingdom)

Tel : 0870 247 8800
Fax : +44 2891 812 932
E-mail: uksupport@humax-digital.co.uk
Open : Local Time in UK (GMT+0)
08:30~18:00 (Monday - Friday)
Support Language : English

HUMAX Hotline (Germany)

Germany: 01805 778 870 (0,12/Min)
Other Countries: + 49 1805 778 870 (0,12/Min+ International Call Charge)
Open: Local Time in Germany (GMT+1)
08:00 - 20:00 (Monday - Friday)
08:00 - 18:00 (Saturday)
Support Language: Deutsch/English

HUMAX Hotline (Italy)

Tel : 899 100080
Fax : +39 0471 543749
E-mail : info@mediasat.com
Open : Local Time in Italy (GMT+1)
08:00~18:00 (Monday - Friday)
Support Language : Italian

For hardware repair, please refer to support website. (Homepage or HCSA)

HUMAX

LCD-TV
Digital and Analogue