

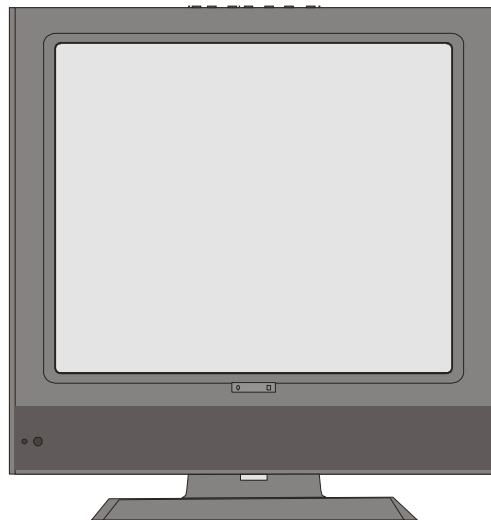


---

# **linsar**

## **L15F102**

### **OPERATING INSTRUCTIONS**



**COLOUR TELEVISION WITH REMOTE CONTROL**

---



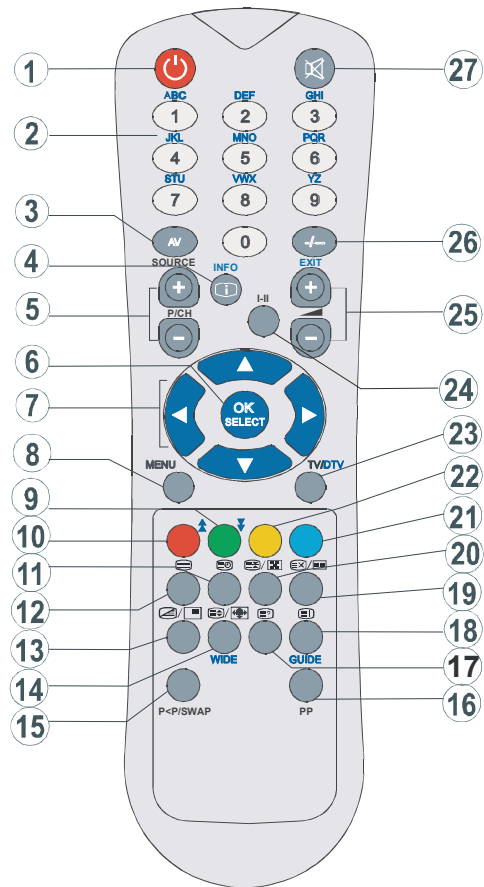
## Contents

<b>Remote Control Buttons</b> .....	<b>3</b>	<b>IDTV Menu System</b> .....	<b>12</b>
<b>LCD TV</b> .....	<b>4</b>	Channel List .....	12
<b>Preparation</b> .....	<b>5</b>	Navigating the Entire Channel List .....	12
Features .....	5	Deleting the Channels in the Channel List .....	12
<b>Safety Precautions</b> .....	<b>5</b>	Renaming Channels .....	13
Power Source .....	5	Adding Locks to Channels .....	13
Power Cord .....	5	Setting Favourites .....	13
Moisture and Water .....	5	On Screen Help .....	14
Cleaning .....	5	Installation .....	14
Ventilation .....	6	Add New Channels .....	14
Heat and Flames .....	6	Automatic Search .....	14
Lightning .....	6	Manual Search .....	14
Replacement Parts .....	6	Configuration .....	15
Servicing .....	6	Audio Language .....	15
Waste Disposal .....	6	Subtitle .....	16
Disconnecting the Device .....	6	Favourite Mode .....	16
Headphone Volume .....	6	EPG Preference .....	16
Installation .....	6	Receiver Upgrade .....	16
Information for Users in European Union		Automatic Download (Automatic	
Countries .....	6	Upgrade) .....	16
LCD Screen .....	6	Search for New Version (Manual	
When Unused .....	6	Upgrade) .....	16
<b>Before Switching On Your TV</b> .....	<b>7</b>	Parental Settings .....	16
Power Connection .....	7	Timers .....	17
Connections to the Aerial Input Socket .....	7	Language .....	18
Inserting Batteries in the Remote Control		TV Setup .....	18
Handset .....	7	Common Interface .....	18
<b>Switching the TV On/Off</b> .....	<b>7</b>	<b>Analogue TV Menu Map</b> .....	<b>20</b>
To Switch the TV On .....	7	<b>Analogue TV Menu System</b> .....	<b>21</b>
To Switch the TV Off .....	7	Sound Menu .....	21
<b>Navigating the Menu System</b> .....	<b>8</b>	Volume .....	21
<b>Initial Settings</b> .....	<b>8</b>	Balance .....	21
<b>Basic Operations</b> .....	<b>9</b>	Sound Mode .....	21
Operation with the Buttons on the TV .....	9	AVL .....	21
Volume Setting .....	9	Effect .....	21
Programme Selection .....	9	Equalizer .....	21
Entering Main Menu .....	9	Store .....	21
AV Mode .....	9	Picture Menu .....	21
Operation with the Remote Control .....	9	Picture Mode .....	21
Volume Setting .....	9	Brightness/Contrast/Colour/Sharpness/	
Programme Selection (Previous or Next		Tint .....	22
Programme) .....	9	Colour Temp .....	22
Programme Selection (Direct Access) ...	9	Room Lighting .....	22
<b>General Operation</b> .....	<b>9</b>	Picture Zoom .....	22
Information Banner .....	9	Store .....	22
Electronic Programme Guide (EPG) .....	10	Features Menu .....	22
Displaying the Subtitles .....	11	Sleep Timer .....	22
Digital Teletext .....	11	Language .....	22
Over Air Download .....	11	Child Lock .....	22
Widescreen .....	11	Menu Colour .....	22

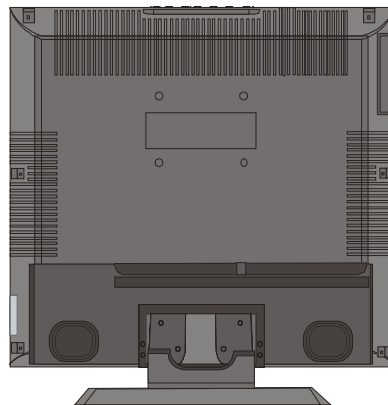
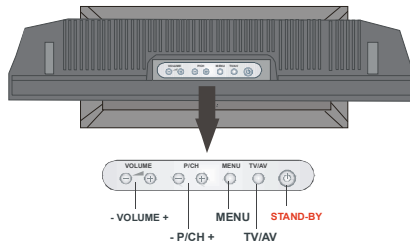
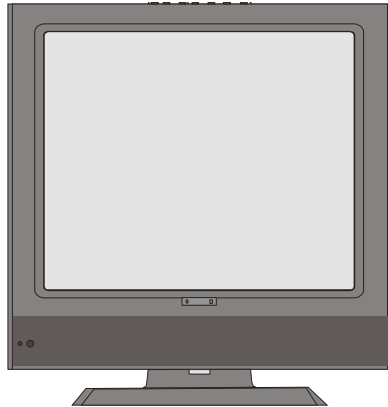
Favourite Mode .....	22
Install Menu .....	22
Programming .....	23
Programme .....	23
Band .....	23
Channel .....	23
Standard .....	23
Colour System .....	23
Search .....	23
VCR Mode .....	23
Decoder .....	23
Store .....	23
A.P.S. ....	23
A.P.S. (Auto Programming System)	
Country .....	24
Teletext Region .....	24
Program Table .....	24
Name .....	24
Move .....	25
Delete .....	25
APS (Auto Programming System) ....	25
Favourite Mode .....	25
Install Menu in AV Modes .....	25
Programming .....	25
Colour System .....	25
<b>Other Features .....</b>	<b>25</b>
TV Status .....	25
Mute Indicator .....	25
AV Modes .....	25
Menu System in AV Modes .....	26
Sound/Picture/Features/Install Menu ....	26
Personal Preference .....	26
<b>Teletext .....</b>	<b>26</b>
<b>Connect Peripheral Equipment .....</b>	<b>27</b>
Via the Scart .....	27
Via Aerial Input .....	27
Via AV Input .....	27
<b>Aerial Connection .....</b>	<b>27</b>
Audio Line Out .....	27
Headphones .....	27
<b>Peripheral Equipment Connections .....</b>	<b>28</b>
<b>Connectors of the TV .....</b>	<b>28</b>
<b>Tips .....</b>	<b>29</b>
Screen Care .....	29
Poor Picture .....	29
Image Persistence .....	29
No Picture .....	29
Sound .....	29
Remote Control .....	29
<b>Specifications .....</b>	<b>30</b>
<b>Pin Specifications .....</b>	<b>31</b>
<b>Important Instruction .....</b>	<b>32</b>

## Remote Control Buttons

- ① Standby
- ② Direct programme
- ③ External source
- ④ Info
- ⑤ Programme up/down
- ⑥ Okay (store)
- ⑦ Cursor buttons
- ⑧ Menu
- ⑨ Page down/Picture
- ⑩ Page up/Sound
- ⑪ Subtitle on/off in the digital mode
- ⑫ Teletext on/off
- ⑬ Mix
- ⑭ Image size/Expand
- ⑮ Previous programme
- ⑯ Personal preference
- ⑰ Reveal
- ⑱ Index Page/  
Electronic programme guide (EPG)
- ⑲ Update
- ⑳ Hold
- ㉑ Install
- ㉒ Feature
- ㉓ TV / Digital TV Mode
- ㉔ Mono-stereo/Dual I-II
- ㉕ Volume + / Volume -
- ㉖ Double digit
- ㉗ Mute

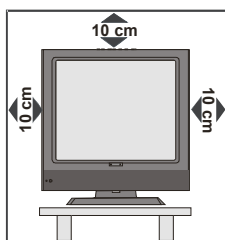


# LCD TV



## Preparation

For ventilation, leave a free space of at least 10 cm all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set.



Use this device in tropical and/or moderate climates.

## Features

- Remote controlled colour television.
- Fully integrated digital TV (DVB-T).
- 100 programmes from VHF, UHF bands or cable channels can be preset.
- It can tune cable channels.
- Controlling the TV is very easy by its menu driven system.
- It has a SCART socket for external devices (such as video, video games, audio set).
- AV connections are available.
- Stereo sound system (Nicom).
- Full function teletext.
- Fasttext (7 Pages), TOP text.
- Favourite channel.
- Headphone connection.
- A.P.S. (Automatic Programming System).
- All programmes can be named.
- Forward or backward automatic tuning.
- Sleep timer.
- Child lock.
- Automatic sound mute when no transmission.
- NTSC playback.
- AVL (Automatic Volume Limiting).

- When no valid signal is detected, after 5 minutes the TV switches itself automatically to stand-by mode.
- PLL (Frequency Search).
- Audio Line Out.

## Safety Precautions

Please read the following recommended safety precautions carefully for your safety.

### Power Source

The TV set should be operated only from a **220-240 V AC, 50 Hz** outlet. Ensure that you select the correct voltage setting for your convenience.

### Power Cord

Do not place the set, a piece of furniture, etc. on the power cord (mains lead) or pinch the cord. Handle the power cord by the plug. Do not unplug the appliance by pulling from the power cord and never touch the power cord with wet hands as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be placed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electric shock. When it is damaged and needs to be replaced, it should be done by qualified personnel.

### Moisture and Water

Do not use this device in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this device to rain or water, as this may be dangerous and do not place objects filled with liquids, such as flower vases, on top. Avoid from dripping or splashing.

If any solid object or liquid falls into the cabinet, unplug the TV and have it checked by qualified personnel before operating it any further.

### Cleaning

Before cleaning, unplug the TV set from the wall outlet. Do not use liquid or aerosol cleaners. Use soft and dry cloth.

### Ventilation

The slots and openings on the TV set are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway.

### Heat and Flames

The set should not be placed near to open flames and sources of intense heat such as an electric heater. Ensure that no open flame sources, such as lighted candles, are placed on top of the TV. Batteries should not be exposed to excessive heat such as sunshine, fire or the like.

### Lightning

In case of storm and lightning or when going on holiday, disconnect the power cord from the wall outlet.

### Replacement Parts

When replacement parts are required, make sure that the service technician has used replacement parts, which are specified by the manufacturer or have the same specifications as the original one. Unauthorized substitutions may result in fire, electrical shock or other hazards.

### Servicing

Please refer all servicing to qualified personnel. Do not remove the cover yourself as this may result in an electric shock.

### Waste Disposal

Instructions for waste disposal:



- Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as foil bags, must be kept away from children.

- Batteries, including those, which are heavy metal-free, should not be disposed of with household waste. Please dispose of used battery in an environment friendly manner. Find out about the legal regulations, which apply in your area.

- The cold cathode fluorescent lamp in LCD PANEL contains a small amount of mercury; please follow the local laws or regulations for disposal.

### Disconnecting the Device

The mains plug is used to disconnect TV set from the mains and therefore it must remain readily operable.

### Headphone Volume

Excessive sound pressure from earphones and headphones can cause hearing loss.

### Installation

To prevent injury, this device must be securely attached to the wall in accordance with the installation instructions when mounted to the wall (if the option is available).

### Information for Users in European Union Countries

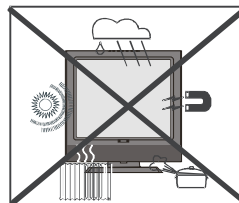
This symbol on the product or in the instructions means that your electrical and electronic device should be disposed of at the end of its service life separately from your household waste. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or your retailer where you purchased the product.

### LCD Screen

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

### When Unused

Do not leave your TV at **STANDBY** or **operating** when you leave your house.



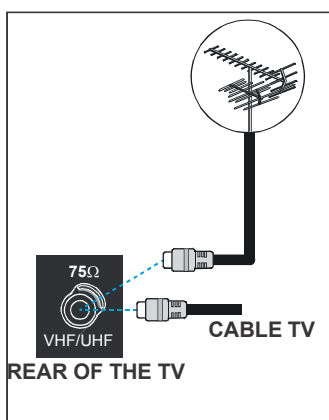
## Before Switching On Your TV

### Power Connection

**IMPORTANT:** The set should be operated only from a 220-240 V AC, 50 Hz. outlet.

### Connections to the Aerial Input Socket

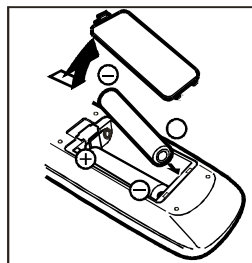
- Connect the aerial or cable TV plug to the **AERIAL INPUT** socket located at the rear of the TV and connect the cable plug coming out from the TV to the out socket located on the devices (VCR, DVB etc.).



### Inserting Batteries in the Remote Control Handset

**WARNING:** Remote control is battery included. A plastic protector is used to disconnect the batteries in order to prevent the battery life from reducing. Please remove the plastic protector before the first use.

- Remove the battery cover located on the back of the handset by gently pulling backwards from the indicated part.
- Insert two **AAA/R03** or equivalent type batteries inside. Place the batteries in the right directions.
- Replace the battery cover.




**Note:** Remove the battery from the remote control handset when it is not to be used for a long period. Otherwise, it can be damaged due to any leakage of batteries.

## Switching the TV On/Off

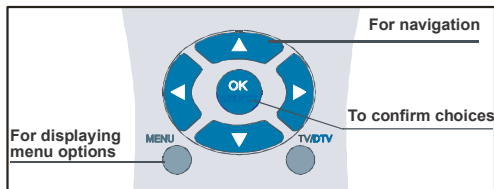
### To Switch the TV On

- Your TV will switch on in two steps.
- Connect the power cord to 220-240V AC 50 Hz. Press stand-by button. Then the TV switches itself to stand-by mode (Optional).
- To switch on the TV from stand-by mode either:
  - Press a digit button on the remote control so that a channel number is selected, or press the **-P/CH** or **P/CH+** button on the TV or press the **P/CH+** or **P/CH-** button on the remote control, so that last mode switched off is selected. By either method the TV will switch on.

### To Switch the TV Off

- Press the “ (stand-by)” button on the remote control or stand-by button on the TV, so the TV will switch to stand-by mode.
- To power down the TV completely, unplug the power cord from the mains socket.

## Navigating the Menu System



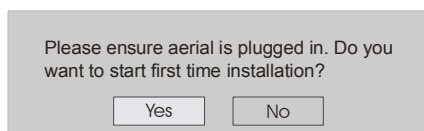
- Press **MENU** to display the menu.
- Press ▲ or ▼ button to select an icon. Press ► for more options.
- Use ▲ or ▼ button to highlight.
- Press ◀ or ▶ buttons to change the settings. Press **OK** to set as default.
- To exit the menu or to return from sub-menu screen, press **MENU**.

**Note:** These explanations are valid for the navigation of the entire menu system. To select options that are explained in the following parts, refer to “Navigating the Menu System” part.

## Initial Settings

When the TV set is operated for the first time, the IDTV turns on first.

Because this is the first time the TV is used, there are no channels stored in the memory and the following message appears on the screen:

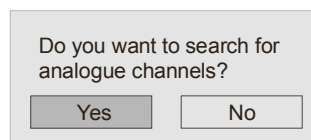


- To start installation process, select “**Yes**”, to cancel select “**No**”.
- To select the “**Yes**” or “**No**” option, highlight the item by using ◀ or ▶ buttons and press the **OK** button.

The IDTV will automatically tune to the UHF transmission channels 21 to 68, searching for digital terrestrial TV broadcasts and displaying the names of channels found. This process will take about five minutes. To cancel searching, you can press the **MENU** button at any time during the process.



After **Automatic Search** is completed, the following message asking for analogue channel search appears on the screen:



To search for analogue channels, select “**Yes**”. TV switches to the analogue TV mode. The menu below is displayed to search for analogue channels:



Select your **Language, Country and Txt. region** by using ▲ or ▼ and ◀ / ▶ buttons. Press **OK** button to continue. To cancel, press the **TV/DTV** button.

For more information on this process, see “**Install Menu**” section.

**NOTE:** For proper functioning of digital teletext in DTV mode, you should set **country** as UK in analogue AUTO PROGRAM.

## Basic Operations

*You can operate your TV using both the remote control and onset buttons.*

### Operation with the Buttons on the TV

#### Volume Setting

- Press **▲** - button to decrease volume or **▲** + button to increase volume, so a volume level scale (slider) will be displayed on the screen.

#### Programme Selection

- Press **P/CH +** button to select the next programme or **P/CH -** button to select the previous programme.

#### Entering Main Menu

- Press the **MENU** button to enter main menu. In the Main menu select sub-menu using **P/CH -** or **P/CH +** buttons and enter the sub-menu using **▲** - or **▲** + buttons. To learn the usage of the menus, refer to the menu system sections.

#### AV Mode

- Press the **TV/AV** button at the control panel on the the TV to switch your TV to AV modes.

#### Operation with the Remote Control

- The remote control of your TV is designed to control all the functions of the model you selected. The functions will be described in accordance with the menu system of your TV.
- Functions of the menu system are described in the following sections.

#### Volume Setting

Press **▲** + button to increase the volume. Press **▲** - button to decrease the volume. A volume level scale (slider) will be displayed on the screen.

#### Programme Selection (Previous or Next Programme)

- Press **P/CH-** button to select the previous programme.
- Press **P/CH+** button to select the next programme.

#### Programme Selection (Direct Access)

- Press numeric buttons on the remote control to select programmes between 0 and 9. The

TV will switch to the selected programme. To select programmes between 10 - 999 (for IDTV) or 10-99 (for analogue), press the numeric buttons consecutively (eg. for programme 27, first press 2 and then 7). When the pressing time is due for the second numeric button, only the first digit programme will be displayed. The limit of the delay time is 3 seconds.

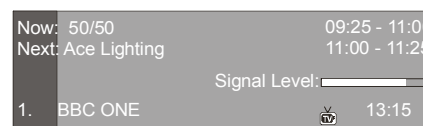
- Press directly the programme number to reselect single digit programmes.

## General Operation

Pressing the **TV/DTV** button at any time while watching television programmes will switch the TV set between the digital terrestrial television broadcasting and its normal analogue broadcasting.

### Information Banner

- Whenever you change channel, using the **P/CH- / P/CH+** button or the numeric buttons, the TV displays the broadcast picture along with an information banner at the bottom of the screen. This will remain on the screen for approximately three seconds.
- The information banner can also be displayed at any time while watching TV by pressing the **i** button on the remote control:



- The information banner gives information on the channel selected and the programmes on it. The name of the channel is displayed, along with its channel list number and an indication of the strength of the signal received.

**Hint:** *Not all channels broadcast the programme data. If the name and time of the programme are not available, then "No Information Available" will be displayed in the information banner.*

- Icons are also displayed in the information banner and if this channel is a favourite channel, favourite channel icon "😊" will also

be displayed.

If the selected channel is locked, you must enter the correct four numeric code to view the channel. "Enter Lock Key" will be displayed on the screen in such a case:

Enter Lock Key

### Electronic Programme Guide (EPG)

- Some, but not all, channels send information about the current and next events.
- Please note that event information is updated automatically. If there is no event information data available in channels, only channel names with "No Information Available" banner is displayed.
- Press **GUIDE** button to view the **EPG** menu.
- In EPG menu, you can easily see the extended help information by pressing **i** button.
- Press this button again to close this window.
- In the EPG menu, all channels are displayed. Current channel is highlighted. Use **▲** or **▼** buttons to change channels. Also press **GREEN/RED** buttons to scroll up/down the pages for the channels.
- If you highlight an event, short event description, extended event description, start and end times of the event will be displayed on the screen.
- If you press the **OK** button when a next event is highlighted, a reminder is set for the highlighted programme and a clock appears across the highlighted channel line.

Programme reminders can be set to signal that a programme is about to start when you are watching another channel. If you set reminder for a programme, then you will be asked for switching to that channel when the reminder time is reached.

- Press the **MENU** button to view the 7 day EPG.
- Press **▲** or **▼** button to navigate in Channels or Programmes.
- Press **◀** or **▶** button to navigate through the channel and programme list.



- With **RED/GREEN** buttons, you can change the schedule time. By pressing **YELLOW/BLUE** you can advance the schedule backward/forward of a day.
- If you press **i** button you can see the detailed help information easily. Press **i** button again to exit help menu.
- The starting time for **EPG** is the current time. You can see the event information for the next two hours. By pressing **▲** or **▼** button, you can go to the next/previous hours while Programmes list is highlighted.
- If you press the **OK** button when a next event is highlighted, a reminder is set for the highlighted programme and a clock appears on the screen.
- Programme reminders can be set to signal that a programme is about to start when you are watching another channel. If you set reminder for a programme, then you will be asked for switching to that channel when the reminder time is due.



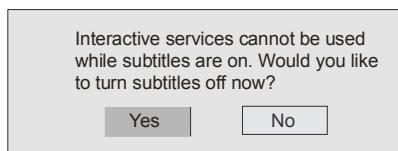
### Displaying the Subtitles

With digital terrestrial broadcasting (DVB-T), some programmes are broadcast with subtitles. Subtitles can be displayed while watching these programmes.

Press the **MENU** button to display the main menu, highlight the **Configuration** line using **▲** or **▼** button and press the **OK** button to display the configuration menu.

Highlight the **“Subtitle”** item in configuration menu and use **◀** or **▶** button to set Subtitle to Off or a language.

If **“Subtitle”** is on and a language option is set, pressing the **☰** (Text) button causes the following warning message display on the screen:



### Digital Teletext

With digital terrestrial broadcasting (DVB-T), in addition to pictures and sound, you can also view digital teletext.

Digital teletext is sometimes broadcast together with the normal broadcasting. Press the **☰** button.

- The digital teletext information appears.
- Operate it with the coloured buttons, **◀/▶/▼/▲** buttons and **OK** button.

The operation method may differ depending on the contents of the digital teletext.

Follow the instructions displayed on digital teletext screen.

- When **“Press SELECT”** button or similar message appears on the screen, press the **OK** button.
- When the **☰** (Text) button is pressed, the TV returns to television broadcasting.

- With digital terrestrial broadcasting (DVB-T), in addition to digital teletext broadcasting at the same time with the normal broadcasting, there are also channels with just digital teletext broadcasting.
- The aspect ratio when watching a channel with just digital teletext broadcasting is the same as the aspect ratio of the picture viewed previously.
- When you press the **☰** (Text) button again, the digital teletext screen will be displayed.

### Over Air Download

To ensure that your IDTV always has the most up-to-date information, please ensure that, after use, it is set to standby mode. At 3 A.M. each day, the IDTV automatically searches for any updates which may be broadcast and will download this to your IDTV automatically. This operation will normally take approximately 30 seconds.

If you want to perform this, you need to set Automatic Download to **“Enabled”** in Receiver Upgrade setting.

### Widescreen

Depending on the type of the broadcast being transmitted, programmes can be viewed in a number of formats. Press the **WIDE** button repeatedly to select between **Auto**, **4:3**, or **Wide**.

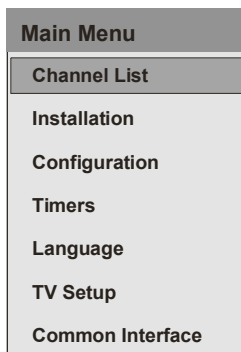
When **Auto** is selected, the format being displayed is determined by the picture being broadcast.

**PLEASE NOTE:** Menu size changes depending on the chosen image size.

## IDTV Menu System

The IDTV menu can only be viewed when watching digital terrestrial broadcasting. Press the **TV/DTV** button to turn IDTV on while the TV is in analogue mode.

Press the **MENU** button. The menu below appears on the screen:



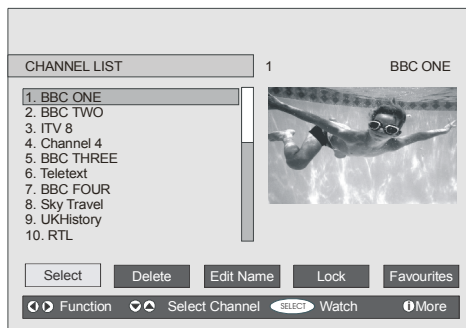
### Channel List

Using the **▲** or **▼** button on the remote control, make sure that the first item, Channel List, is highlighted and press the **OK** button to display the **Channel List**.

The following operations can be performed in this menu:

- Navigating the entire list of channels
- Deleting channels
- Renaming channels
- Adding locks to channels
- Setting favourites

Channel List is the place where the channels are managed.



### Navigating the Entire Channel List

Press **▲** or **▼** button for selecting the previous or next channel. You can press **RED** or **GREEN** button to move page up or page down.

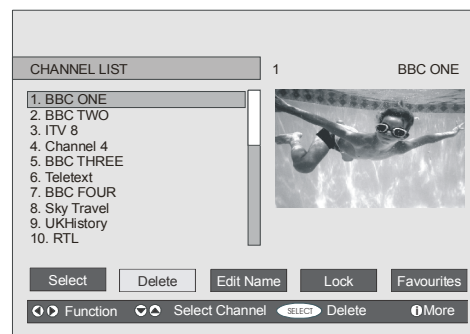
To watch a specific channel, highlight it using **▲** or **▼** button and then press **OK** button, while the **“Select”** item on Channel List menu is highlighted by using **◀** or **▶** button.

Then the name and number of the selected channel will be displayed in the top-left and top-right of the channel display at the top-right of the screen, respectively.

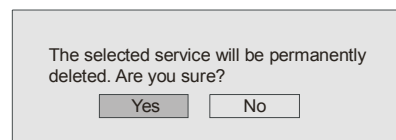
### Deleting the Channels in the Channel List

Press **▲** or **▼** button to select the channel that will be deleted.

Press **◀** or **▶** button to select the **“Delete”** item on Channel List menu. As seen on Channel List menu, **SELECT** is displayed next to **Delete** item at the bottom of the screen to indicate that you must press the **OK** button to delete the highlighted channel in the channel list.



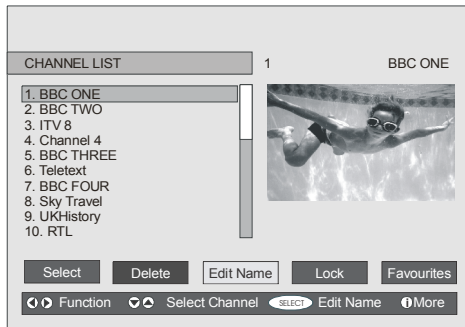
Press the **OK** button to delete the highlighted channel in the channel list. Then the message below appears on the screen:



Press **◀** or **▶** button to highlight the desired option. If **OK** button is pressed while **“Yes”** is highlighted, the highlighted channel is deleted. Selecting **“No”** cancels the deletion.

## Renaming Channels

To rename a specific channel, the channel must be highlighted by pressing ▲ or ▼ button. Then highlight the **Edit Name** item by pressing ◀ or ▶ button as illustrated below. Press the **OK** button to activate the rename feature.



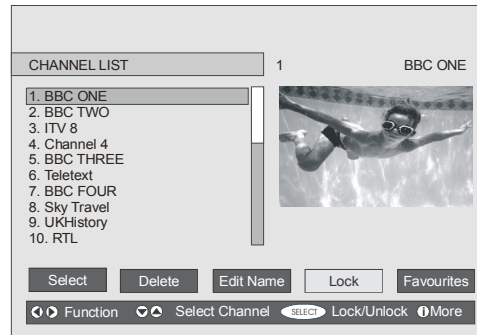
Now pressing ◀ or ▶ button moves to the previous/next character. Pressing ▲ or ▼ button toggles the current character, i.e., 'b' character becomes 'a' by ▼ and 'c' by ▲. Pressing the numeric buttons '0...9' replaces the highlighted character with the characters printed above the button one by one as the button is pressed.

Press the **MENU** button to cancel the editing or **OK** button to save the new name.

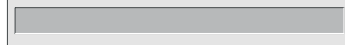
## Adding Locks to Channels


Channel locking provides a password-protected access to channels selected by parents. In order to lock a channel you should know the parental lock password (default value is set to 0000 in the factory and can only be changed from the **Configuration** menu).

Select the channel to be locked by highlighting it and select the **Lock** option by pressing ◀ or ▶ button. When the **OK** button is pressed, a dialog OSD asking for the password will be displayed.



## Enter Lock Key



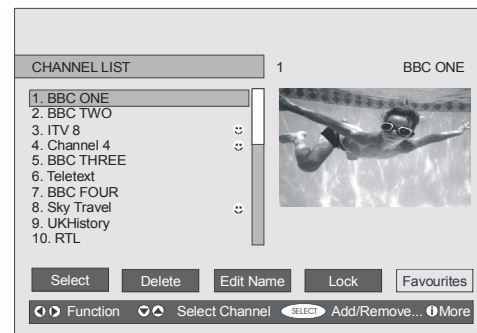
Enter the password by using the numeric buttons on the remote control. The lock icon  will now be displayed next to the selected channel. Repeat the same operation to cancel the lock.

## Setting Favourites

You can set various channels as favourites so that only the favourite channels are navigated. To set a favourite you should highlight the **Favourites** item at the bottom of the Channel List menu.

Use the ◀ or ▶ button to highlight the **"Favourites"** item at the bottom of the screen and then, in turn, highlight each channel you want to add to the favourites list, using the ▲ and ▼ buttons (or red/green buttons), and press the **OK** button.

A channel selected as a favourite appears in the main channel list with a favourites icon (😊) against the channel name as illustrated below:



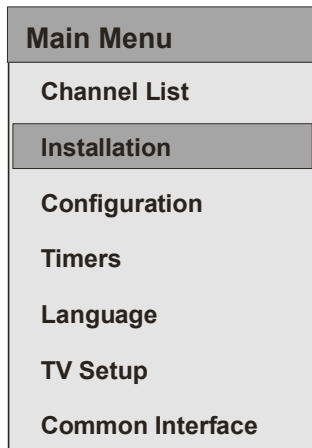
## On Screen Help

For all menus, press the **i** button to display the help information about the menu functions. For **Channel List** menu the following message is displayed on the screen:

Press the SELECT button on your remote control to tune to the highlighted channel.  
Press MENU to exit this screen.

## Installation

The Installation menu is mainly intended to help you for creating a **Channel Table** in the most efficient way.



This menu includes the following items:

- Add New Channels.
- First Time Installation.

### Add New Channels

This tuning menu consists of two parts:

- Automatic Search
- Manual Search



### Automatic Search

Automatic search is started by pressing the **OK** button in the auto-search pop up menu. All the services will be searched and a channel table will be created automatically.

All channels found are stored in a sorted form with respect to their channel numbers. Some services may not appear with the correct channel number. This may occur due to missing information when the broadcaster does not transmit any channel information.

### Manual Search

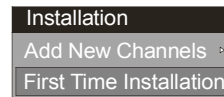
In manual search, the number of the multiplex is entered manually and only that multiplex is searched for the channels. For every valid channel number, signal level, signal quality and network name are shown at the bottom of the screen.

In both manual and auto search, any existing channel in the database is not re-stored to avoid redundant duplicates of that channel.

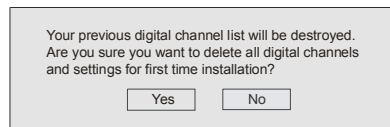
### First Time Installation

The user can use this item to load default settings, which were loaded to the receiver at the factory.

To install factory settings, highlight "**First Time Installation**" menu and press the **OK** button.

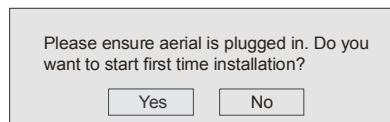


Then you will be asked to confirm for deleting all channels and settings:

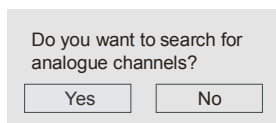


By selecting **Yes** and pressing the **OK** button, the existing channel table will be deleted.

After factory settings are loaded, "**First Time Installation**" menu will be displayed:



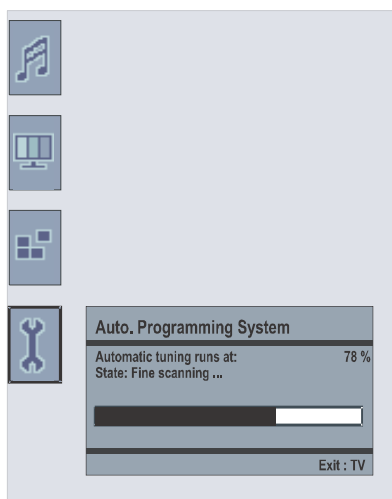
Press the **OK** button to start installation. After search is completed for digital channels, a message asking whether to search for analogue channels appears on the screen:



Press the **OK** button to search for analogue channels. The following menu appears on the screen for analogue channel **search**:



Select your **Language, Country and Txt. region** by using **▲** or **▼** and **◀/▶** buttons. Press **OK** button to continue. To cancel, press **TV** button. The following menu will be displayed during the APS process:

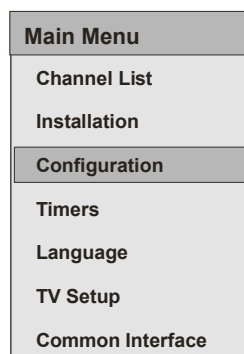


After APS is finalized, the programme table will appear on the screen. In the programme table you will see the programme numbers and names assigned to the programmes.

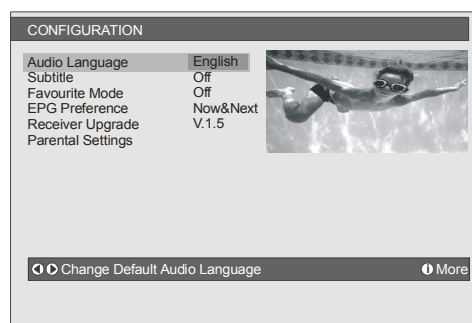
If you do not accept the locations and/or the programme names, you can change them in the program table.

### Configuration

Press the **MENU** button to display the main menu and press the **▼** button twice to highlight Configuration. Then press the **OK** button to display the configuration menu. Press the **MENU** button to leave the menu screen.



The various configuration functions are displayed in a list, along with a quarter-screen image of the currently selected channel. You can select a function by highlighting the corresponding menu line using the **▲** or **▼** button. Configuration menu will look like this:



### Audio Language

Digital terrestrial television channels can broadcast simultaneous soundtracks in more

than one language. This function selects which language soundtrack you will hear when switching to a channel broadcasting with the multiple soundtracks.

Highlight the **Audio Language** line in the **Configuration** menu and use the ◀ or ▶ button to cycle through the language options.

### Subtitle

Digital terrestrial television channels can broadcast subtitles displayed on the screen for hard-of-hearing people. This function selects the desired subtitle language and enables the automatic display of subtitles whenever subtitle information is broadcast.

Highlight the **Subtitle** line in the Configuration menu and use the ◀ or ▶ button to cycle through “Off” and language options.

### Favourite Mode

This function enables or disables the favourite channel list mode.

Use ◀ or ▶ button to turn on/off favourite mode. If the “**Favourite Mode**” is on; while in normal operating mode, pressing **P/CH+** and **P/CH-** buttons will only navigate through the channels that were previously defined as favourites in the channel list.

### EPG Preference

Digital terrestrial television channels can broadcast simultaneous Next&Now and 7-Day electronic programme.

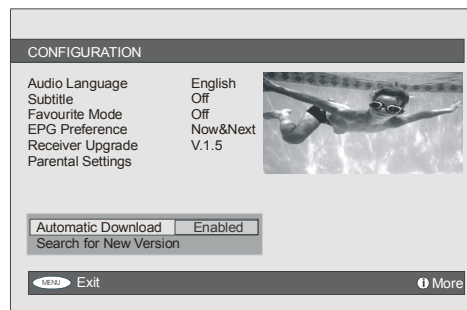
Highlight the **EPG Preference** line in the **Configuration** menu and use the ◀ or ▶ button to select **Next&Now** or **7-Day**.

### Receiver Upgrade

The IDTV can be upgraded via the configuration menu, entered from the main menu.

In the configuration menu, highlight the “**Receiver Upgrade**” item by pressing ▲ or ▼ button and press the **OK** button to start upgrade process.

There are two options for receiver software to be upgraded: **automatic** and **manual**.



### Automatic Download (Automatic Upgrade)

Automatic Download can be enabled or disabled by pressing ◀ or ▶ button. If it is enabled, then there are two ways for automatic upgrade:

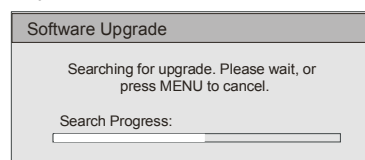
- The first one is checking the existence of a new software every time the IDTV goes to standby.
- The second one is being activated at 03:00 A.M. every night, provided that the IDTV is left in standby mode.
- Both automatic upgrade methods result in standby mode either the TV is upgraded or not.

If the automatic upgrade is set to “**Disabled**” then this function will not work.

### Search for New Version (Manual Upgrade)

Manual upgrade starts if the “**Search for New Version**” item is highlighted by using ▲ or ▼ button and activated by pressing the **OK** button.

After “**Search for New Version**” is activated, the IDTV tunes to each frequency that have been stored in its database and looks for the new software. During this process, the following OSD is displayed:



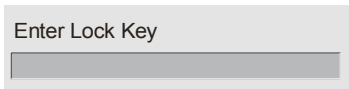
### Parental Settings

Some channels broadcast material which you do not want younger members of the family to

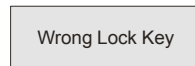
watch. Any channel can be 'locked' so that it cannot be selected for viewing unless a four-digit PIN code is entered. In this way, any channel not suitable for younger viewers can be prohibited.

This function enables or disables the menu protection system and allows the PIN code to be changed.

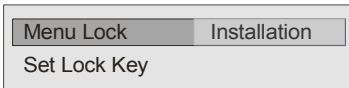
Use ▲ or ▼ button to highlight **Parental Settings** option. Press the **OK** button to enter Parental Settings menu. A dialog box asking for the lock key is displayed:



There is only one key which is set to "0000" initially. Enter lock key. If wrong lock key is entered, the following message is displayed and the TV then returns to the previous menu:



If it is correct, the **Parental Settings** menu will be displayed including the following items:



Here, you can set/reset locking for the main menu or the installation menu to restrict access. If the menu lock is disabled, there will be free access to the menu system. Also in this menu you can change the lock key and set/change parental lock mode.

**Disabled:** All menus are unlocked.

**Main Menu:** Main menu is accessible only with the correct lock key. So the user cannot add, delete, rename, or move the channels and cannot set the timers.

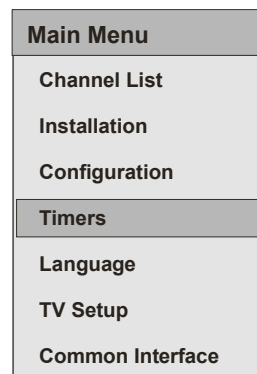
**Installation:** Installation menu is locked, so the user cannot add channels.

**Note:** Changes will be updated after exiting configuration menu.

## Timers

You can set a timer to switch the TV to any channel without your intervention. This is also useful for recording the programmes when you are out.

Display the main menu by pressing the **MENU** button. Highlight the **Timers** line by pressing ▲ or ▼ button and press the **OK** button to display the Timer menu:

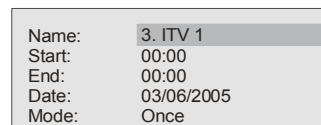


Up to five separate timer events can be set and each is displayed in the Timer screen, showing the event number, the channel to be selected, the start time, end time, date and the mode - whether that event is active (and will be acted on) or not.

TIMER MENU					
No	Channel Name	Start	End	Date	Mode
1.	ITV 1	20:00	21:00	12/05/2005	Active
2.	BBC ONE	00:00	00:00	01/01/2005	Inactive
3.	BBC ONE	00:00	00:00	01/01/2005	Inactive
4.	BBC ONE	00:00	00:00	01/01/2005	Inactive
5.	BBC ONE	00:00	00:00	01/01/2005	Inactive
6.	BBC ONE	00:00	00:00	01/01/2005	Inactive

◀ Toggle Mode    ▶ Exit    ▶ Edit Timer    ⓘ More

• To set an event, highlight its mode button using the ▲ or ▼ button and press the **OK** button to display the timer entry window.



- Here the five settings consisting of the channel name, start time, end time, date and frequency mode can be set. You can move freely between each setting using the ▲ or ▼ buttons.
- The channel name is set using the ◀ or ▶ button to display the channel which broadcasts the programme.
- The start time, end time and date are each set with the numeric buttons on the remote control in 24-hour format.
- The frequency mode determines how often the receiver operates this event and is set with the ◀ or ▶ button to be either **Once**, **Daily**, or **Weekly**.

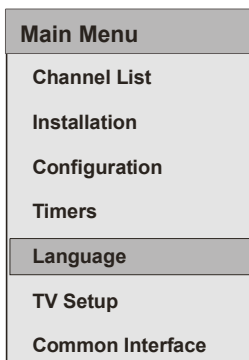
If an invalid number for the start or end times or the date is entered, “**Entered time is not valid**” message appears on the menu screen.

If timer action occurs while the TV is being watched, the TV switches to the selected channel. When timer expires, the TV switches back to the channel which it is switched from.

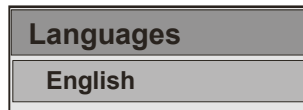
### Language

Some programmes are broadcast in two or more languages simultaneously. The language thus can be selected from the Language menu.

- Press the **MENU** button to display the main menu and use ▲ or ▼ button to highlight the Language line and press the **OK** button:



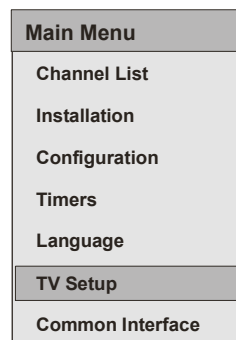
- Use the ▲ or ▼ button to highlight the soundtrack language required and press the **OK** button. Normal viewing, with the required language soundtrack, can be resumed by pressing the **MENU** button.



### TV Setup

You can use this item to display the TV functions.

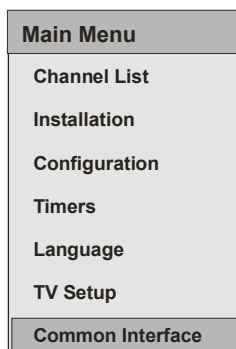
The digital TV Setup menu screen is accessed from the main menu. Press the **MENU** button to display the main menu and use ▲ or ▼ button to highlight “**TV Setup**”, press the **OK** button to display TV Setup menu screen.



You can find detailed information for all menu items in “Analogue TV Menu System” section.

### Common Interface

- Press the **MENU** button to display the main menu and use the ▲ or ▼ button to highlight the “**Common Interface**” line and press the **OK** button:



It is required to subscribe to a pay channel company to view the pay channels of the digital terrestrial broadcasting.

Obtain the Conditional Access Module (CAM) and the viewing card by subscribing to a pay channel company, then insert those to the TV using the following procedure.

- Switch off the TV and unplug from the mains.
- Insert the CAM, then viewing card to the slot that is located in the terminal cover at the left-hand side of the TV (from front view).
- The CAM should be correctly inserted, it is impossible to insert fully if reversed. The CAM or the TV terminal may be damaged if the CAM is forcefully inserted.
- Connect the TV to the mains supply, switch on and then wait for few moments until the card is activated.
- Some CAMs may require the following set up. Please set the CAM by entering the IDTV menu, Common Interface then pressing the **OK** button. (CAM set up menu is not displayed when it is not required.)
- To see the viewing contract information: enter IDTV; press the **MENU** button, then highlight **Common Interface** and press the **OK** button.
- When no module is inserted, "**No Common Interface module detected**" message appears on the screen.
- Refer to the module instruction manual for details of the settings.

**Note:** *Insert or remove the CI module only when the TV is in STANDBY mode or switched off.*

## Analogue TV Menu Map

<b>1</b>	<table border="1"> <thead> <tr> <th colspan="2">SOUND</th> </tr> </thead> <tbody> <tr> <td>Volume</td> <td><input type="text"/></td> </tr> <tr> <td>Balance</td> <td>0 <input type="text"/></td> </tr> <tr> <td>Sound Mode</td> <td>Stereo</td> </tr> <tr> <td>AVL</td> <td>On</td> </tr> <tr> <td>▼ Effect</td> <td>Off</td> </tr> <tr> <td colspan="2">Back : Menu                      Exit : TV</td> </tr> </tbody> </table>	SOUND		Volume	<input type="text"/>	Balance	0 <input type="text"/>	Sound Mode	Stereo	AVL	On	▼ Effect	Off	Back : Menu                      Exit : TV		<b>3</b>
SOUND																
Volume	<input type="text"/>															
Balance	0 <input type="text"/>															
Sound Mode	Stereo															
AVL	On															
▼ Effect	Off															
Back : Menu                      Exit : TV																
<b>2</b>	<table border="1"> <thead> <tr> <th colspan="2">PICTURE</th> </tr> </thead> <tbody> <tr> <td>Picture Mode</td> <td>Bright</td> </tr> <tr> <td>Brightness</td> <td><input type="text"/></td> </tr> <tr> <td>Contrast</td> <td><input type="text"/></td> </tr> <tr> <td>Colour</td> <td><input type="text"/></td> </tr> <tr> <td>▼ Sharpness</td> <td><input type="text"/></td> </tr> <tr> <td colspan="2">Back : Menu                      Exit : TV</td> </tr> </tbody> </table>	PICTURE		Picture Mode	Bright	Brightness	<input type="text"/>	Contrast	<input type="text"/>	Colour	<input type="text"/>	▼ Sharpness	<input type="text"/>	Back : Menu                      Exit : TV		<b>4</b>
PICTURE																
Picture Mode	Bright															
Brightness	<input type="text"/>															
Contrast	<input type="text"/>															
Colour	<input type="text"/>															
▼ Sharpness	<input type="text"/>															
Back : Menu                      Exit : TV																
	<table border="1"> <thead> <tr> <th colspan="2">FEATURES</th> </tr> </thead> <tbody> <tr> <td>Sleep Timer</td> <td>Off</td> </tr> <tr> <td>Language</td> <td>English</td> </tr> <tr> <td>Child Lock</td> <td>Off</td> </tr> <tr> <td>Menu Colour</td> <td>Gray</td> </tr> <tr> <td>▼ Favourite Mode</td> <td>Off</td> </tr> <tr> <td colspan="2">Back : Menu                      Exit : TV</td> </tr> </tbody> </table>	FEATURES		Sleep Timer	Off	Language	English	Child Lock	Off	Menu Colour	Gray	▼ Favourite Mode	Off	Back : Menu                      Exit : TV		
FEATURES																
Sleep Timer	Off															
Language	English															
Child Lock	Off															
Menu Colour	Gray															
▼ Favourite Mode	Off															
Back : Menu                      Exit : TV																
	<table border="1"> <thead> <tr> <th colspan="2">INSTALL</th> </tr> </thead> <tbody> <tr> <td>Programming</td> <td>▶</td> </tr> <tr> <td>A.P.S.</td> <td>▶</td> </tr> <tr> <td>Txt. region</td> <td>West Europe</td> </tr> <tr> <td>Program Table</td> <td>▶</td> </tr> <tr> <td colspan="2">Back : Menu                      Exit : TV</td> </tr> </tbody> </table>	INSTALL		Programming	▶	A.P.S.	▶	Txt. region	West Europe	Program Table	▶	Back : Menu                      Exit : TV				
INSTALL																
Programming	▶															
A.P.S.	▶															
Txt. region	West Europe															
Program Table	▶															
Back : Menu                      Exit : TV																

### 1 SOUND MENU

- Volume
- Balance
- Sound Mode
- AVL
- Effect
- Equalizer
- Mode
- Store

### 2 PICTURE MENU

- Picture Mode
- Brightness
- Contrast
- Colour
- Sharpness
- Colour Temp
- Room Lighting
- Picture zoom
- Store

### 3 FEATURES MENU

- Sleep Timer
- Language
- Childlock
- Menu Colour
- Favorite Mode

### 4 INSTALL MENU

- Programming
- Programme
- Band
- Channel
- Standard
- Colour System
- Search
- VCR Mode
- Decoder
- Store
- APS
- Auto Programming System
- Txt. Region
- Program Table

*A menu map is provided above. For details of the items, refer to relevant explanations in the "MENU SYSTEM".*

## Analogue TV Menu System

### Sound Menu



#### Volume

- Select **Volume** by pressing ▲ or ▼ button.
- Press ◀ / ▶ button to change the level of the volume.

#### Balance

This setting is used for emphasizing left or right speaker balance.

- Select **Balance** by pressing ▲ or ▼ button.
- Press ◀ / ▶ button to change the level of the balance. Balance level can be adjusted between -32 and 32.

#### Sound Mode

- Select **Sound Mode** by pressing ▲ or ▼ button.
- By pressing the ◀ / ▶ button, you can select Mono, Stereo, Dual I or Dual II mode, only if the selected channel supports that mode.

#### AVL

Automatic Volume Limiting (AVL) function adjusts the sound to obtain fixed output level between programmes (For instance, volume level of advertisements tends to be louder than programmes).

- Select **AVL** by pressing ▲ or ▼ button.
- Press ◀ / ▶ button to set the AVL as On or Off.

#### Effect

If you are watching a mono broadcast, set **Effect** on to obtain a better sound effect which will be more stereo-like. If the current sound system is stereo, switching this effect on will give a more spatial effect.

- Select **Effect** by pressing ▲ or ▼ button.
- Press ◀ / ▶ button to set Effect as On or Off.

#### Equalizer

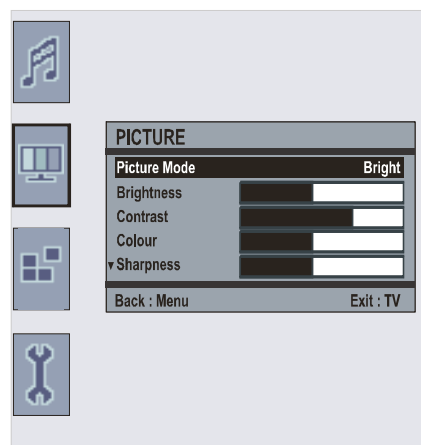
- Select **Equalizer** by pressing ▲ or ▼ button.
- Press ◀ / ▶ button to change the Equalizer setting. In equalizer menu, the mode can be changed to **Flat, Speech, Music, Personal** and **Jazz**. Select the desired frequency by ▲ / ▼ button and increase or decrease the frequency gain by pressing ◀ / ▶ button.

**Note:** Equalizer menu settings can be altered only when the Sound Mode is in Personal.

#### Store

- Select **Store** by pressing ▲ or ▼ button.
- Press ▶ or **OK** button to store the settings. “**Stored**” will be displayed on the screen.

### Picture Menu



#### Picture Mode

For your viewing requirements, you can set the related **mode** option.

- Select **Picture Mode** by pressing ▲ or ▼ button.

- Press ◀ / ▶ button to choose from one of these options: **Bright**, **Standard**, **Soft** and **Manual**.

#### Brightness/Contrast/Colour/Sharpness/Tint

- By pressing ▲ or ▼ button, select the desired option.
- Press ◀ / ▶ button to set the level.

*Hint: Tint (Hue) is displayed in picture menu when the TV receives an NTSC signal.*

#### Colour Temp

- Select **Colour Temp** by pressing ▲ or ▼ button.
- Press ◀ / ▶ to choose from one of these options: **Cool**, **Normal** and **Warm**.

#### Room Lighting

- Select **Room Lighting** by pressing ▲ or ▼ button.
- By pressing ◀ / ▶ button, you can select one of these options: **Normal**, **Bright** and **Movie**.

#### Picture Zoom

- Select **Picture Zoom** by pressing ▲ or ▼ button.
- Use ◀ / ▶ buttons, to change picture zoom to **Auto**, **4:3** and **Wide**.

#### Store

- Select **Store** by pressing ▲ or ▼ button.
- Press ▶ or **OK** button to store the settings. "Stored" will be displayed on the screen.

#### Features Menu



#### Sleep Timer

- Select **Sleep Timer** by pressing ▲ or ▼ button.
- Press ◀ / ▶ button to set the Sleep Timer.

If **Sleep Timer** is activated, the TV switches to the standby mode automatically at the end of the selected time.

#### Language

- Select **Language** by pressing ▲ or ▼ button.
- Use ◀ / ▶ button to select the language.

#### Child Lock

- Select **Child Lock** by pressing ▲ or ▼ button.
- Press ◀ / ▶ button to set the Child Lock On or Off. When On is selected, the TV can only be controlled by the remote control handset. In this case the control panel buttons, except for the Standby button, will not work. Hence, if one of these buttons is pressed, "Child Lock On" will be displayed on the screen.

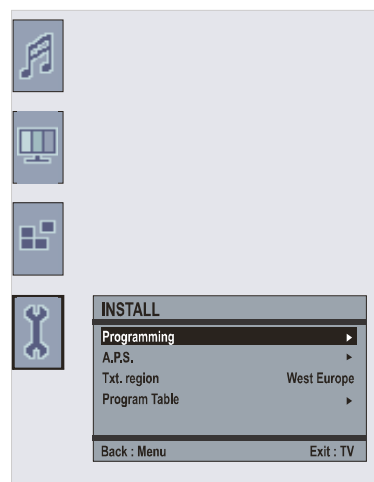
#### Menu Colour

- Select **Menu Colour** by pressing ▲ or ▼ button.
- Use ◀ / ▶ button to change menu background to **Transparent** or **Gray**.

#### Favourite Mode

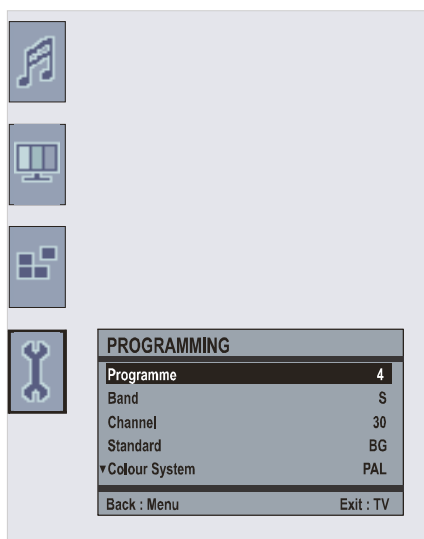
- Select **Favourite Mode** by pressing ▲ or ▼ button.
- Use ◀ / ▶ button to set Favourite mode On or Off (See Channel List menu - Favourites).

#### Install Menu



## Programming

- Select **Programming** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- After pressing  $\blacktriangleright$  button, programming menu appears on the screen:



### Programme

- Select **Programme** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- By pressing  $\blacktriangleleft / \blacktriangleright$  button, you can select the program number. You can also enter a number using the numeric buttons on the remote control. There are 100 program storage between 0 and 99.

### Band

- Select **Band** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- By pressing  $\blacktriangleleft / \blacktriangleright$  button, you can change the channel type to **C** or **S**.

### Channel

- Select **Channel** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- Use  $\blacktriangleleft / \blacktriangleright$  buttons to change the channel number. You can also enter a number using the numeric buttons on the remote control.

### Standard

- Select **Standard** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- Use  $\blacktriangleleft / \blacktriangleright$  button to change the standard to **B/G**, **D/K**, **I** or **L/L'**.

## Colour System

- Select **Colour System** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- Use  $\blacktriangleleft / \blacktriangleright$  button to change the colour system to **PAL**, **SECAM** or **AUTO**.

## Search

- Select **Search** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- Press  $\blacktriangleleft / \blacktriangleright$  button to start search. The search will stop when a signal is found.

**Note:** If you press the buttons with one-step moves, a frequency of 0.25 MHz will be advanced. However if you press the buttons all at once, it will advance automatically. To stop searching at a certain time, you may press  $\blacktriangle$  or  $\blacktriangledown$  buttons.

## VCR Mode

- Select **VCR Mode** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- Use  $\blacktriangleleft / \blacktriangleright$  buttons to set **VCR Mode** On or Off.

**Hint:** If you want to watch a DVD, then you have to set this item as "Off".

## Decoder

You can use this mode to connect any decoder to your TV.

- Select **Decoder** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- Press the  $\blacktriangleleft / \blacktriangleright$  buttons to turn it ON or OFF.

When you switch the decoder setting to OFF, EXT1 output will be muted. In this case, **EXT1** output will not be available to display video. If it is switched ON, the **EXT-1** output will be the selected video source. Any decoder can be connected to **EXT1** to unscramble required video signal.

**Hint:** Decoder setting should be stored separately for each programme.

## Store

- Select **Store** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- Press  $\blacktriangleright$  or **OK** button to store the settings. "Stored" will be displayed on the screen.

## A.P.S.

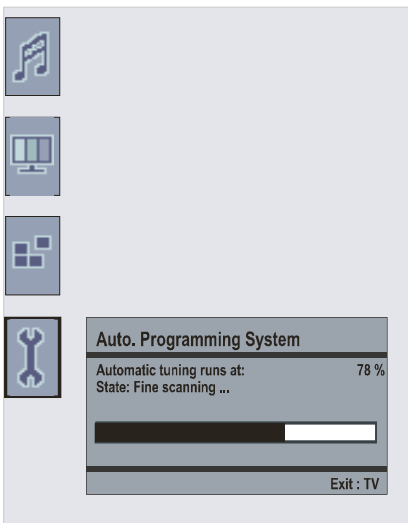
- Select **A.P.S.** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- Press  $\blacktriangleright$  button to enter the A.P.S. menu. A.P.S. menu appears on the screen:



#### A.P.S. (Auto Programming System) Country

Press ◀ / ▶ button to select your country. If you want to exit from A.P.S. function, press the **TV/DTV** button. For going back, press **MENU**.

When you press **OK** button for starting APS, all stored programs will be erased and the following screen will be displayed.



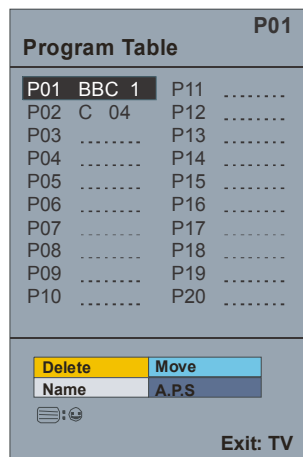
Whenever you press the **TV/DTV** button, A.P.S. function stops and Channel table appears on the screen.

If you wait until the end of the process, program table is displayed with the programmes found and located.

#### Teletext Region

- Select **Teletext Region** by pressing ▲ or ▼ button.
- Using ◀ / ▶ buttons in the **Install menu**, select your **Teletext region**. There are five options to select : **West Europe, East Europe, Turk/Gre, Cyrillic** and **Arabic/Hebrew**.

#### Program Table



By moving the cursor in four directions you can reach 20 programmes in the same page. You can scroll the pages up or down by pressing the navigation buttons to see all the programmes in TV mode (except for the AV mode). By cursor action, programme selection is performed automatically.

#### Name

To change the name of a programme, select the programme and press the **YELLOW** button.

The first letter of the selected name will be highlighted. Press ▲ or ▼ button to change that letter and ◀ / ▶ button to select the other letters. By pressing the **YELLOW** button, you can store the name.

### Move

Select the programme that you want to insert by navigation buttons. Press the **GREEN** button. By navigation buttons, move the selected programme to the decided programme space and press the **GREEN** button again.



### Delete

To delete a programme, press the **RED** button. Pressing the **RED** button again erases the selected programme from the programme list, and the following programmes shift one line up.

### APS (Auto Programming System)

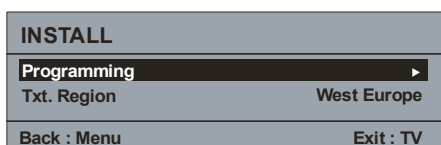
When you press the **BLUE** button for APS, **Auto Programming System** menu will appear on the screen.

### Favourite Mode

You can set various channels as favourites so that only the favourites are navigated. To set a favourite, use navigation buttons to select a channel and then press the  item. The channel selected as a favourite appears in the Program Table with a favourites icon () against the channel name. Carry out the same operation to remove a favourite. Press **MENU** to exit.

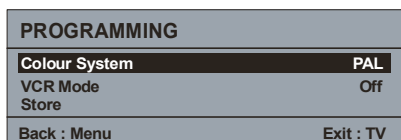
### Install Menu in AV Modes

The following screen appears in the install menu:



### Programming

- Select **Programming** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- After pressing  $\blacktriangleright$  button, programming menu appears on the screen:



### Colour System

- Select **Colour System** by pressing  $\blacktriangle$  or  $\blacktriangledown$  button.
- By pressing  $\blacktriangleleft$  /  $\blacktriangleright$  button, you can change the colour system to **PAL**, **SECAM** or **AUTO**.

**Note:** Other settings are identical with the ones described in "Install Menu".

### Other Features


#### TV Status

**Programme Number**, **Programme Name**, **Sound Indicator** and **Zoom Mode** are displayed on the screen when a new programme is entered.

#### Mute Indicator

It is displayed in the upper side of the screen when enabled.



To cancel mute, there are two alternatives; the first one is pressing the  button and the second one is increasing/decreasing the volume level.

#### AV Modes

By pressing the **AV/SOURCE** button you can switch your TV to AV modes (except for being in teletext). Pressing this button consecutively will switch the TV in one of the optional AV modes: **TV**, **EXT1**, **EXT2** or **DTV**. To remove source OSD from screen press **TV/DTV** or **MENU** button.



## Menu System in AV Modes

### Sound/Picture/Features/Install Menu

The items in these menus are described at **Sound, Picture, Features and Install Menu** explained in “**Menu System**”.

### Personal Preference

By pressing **PP** button, you may adopt the previous settings that you had stored before.

### Teletext

*(This information only applies if your TV is equipped to receive TELETEXT) (optional).*

Teletext system transmits information such as news, sports and weather on your TV. Note that if the signal becomes insufficient, some text errors may occur or the teletext mode may be quitted.

*Teletext function buttons are listed below:*

#### **Teletext On/Off**

Activates teletext mode when pressed once.

Pressing again will quit the teletext mode.

#### **Index**

Selects the teletext index page.

#### **Mix**

Places the teletext screen over the programme.

#### **Expand**

Press once to enlarge top half of the page, press again to enlarge the bottom half of the page.

**Press again to revert back to normal size.**

#### **Reveal**

Shows hidden information (e.g. solutions of the games).

#### **Hold**

Holds a text page when convenient. Press again to resume.

#### **Subcode Pages / Time**

Selects subcode pages if available when the teletext is activated. When the teletext is not activated, displays time info if the programme has teletext transmission.

#### **P/CH+ / P/CH- and numbers (0-9)**

Press to select a page.

***Note:** Most TV stations use code 100 for their index pages.*

#### **Coloured Buttons**

##### **(RED / GREEN / YELLOW / BLUE)**

Your TV supports both **FASTTEXT** and **TOP text** systems. When these systems are available, the pages are divided into groups or topics.

When **FASTTEXT** system is available, sections in a teletext page will become colour-coded and can be selected by pressing the coloured buttons. Press a coloured button that corresponds to your needs.

The coloured writings will appear, showing you which coloured buttons to use when **TOP text** transmission is present. Pressing **P/CH-** or **P/CH+** commands will request the next or previous page respectively.

## Connect Peripheral Equipment

### Via the Scart

The TV has a **SCART** socket. If you want to connect peripherals (e.g. video, decoder, etc.) which have **SCART** sockets to the TV, you can use **SCART** socket of the TV. **SCART** socket inputs or outputs signal for external devices.

*Connect the **SCART** cable between **SCART** socket on the TV and **SCART** socket on your external device (such as a decoder, a VCR or a DVD player).*

**Note:** *If an external device is connected via the **SCART** socket, the TV will automatically switch to AV mode.*

### Via Aerial Input

If the device you want to connect does not have a **SCART** socket, you should connect it to the **AERIAL INPUT** of the TV.

**If the device is connected via AERIAL INPUT, it is suggested to use Programme 0.**

*Note that better picture quality can be obtained if you also connect a **SCART** cable to **SCART** sockets.*

### Via AV Input

Video Input is used for connecting video signals of external devices. To make a video connection, connect the video cable between the **VIDEO IN** socket on the TV and the **VIDEO OUT** jack on your device.

Afterwards, use **AUDIO INPUTS** for connecting audio signals of external devices. Connect the audio cable between the **AUDIO INPUTS** on TV and the **AUDIO OUTPUT** jacks on your device.

After the connection is complete, use **AV/SOURCE** button on your remote control to switch to **EXT2**.

### Audio Line Out

**AUDIO LINE OUTS** output audio signals to an external device such as an optional sound system.

To connect the external speakers or similar devices, to your TV, use **AUDIO LINE OUTS** of the TV with an audio cable.

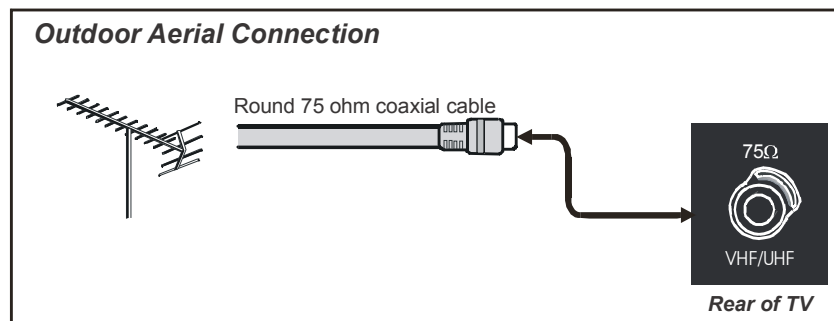
### Headphones

**HEADPHONE** jack is used for connecting an external headphone to the system.

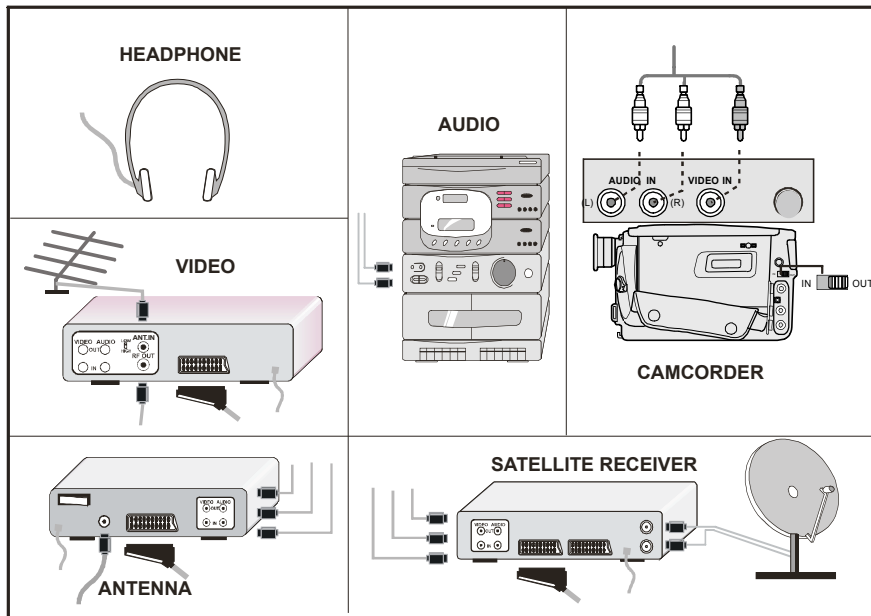
*Connect to the **HEADPHONE** jack to listen to sound of the TV from headphones (optional).*

**Note:** *If you want to connect more equipment to your TV, consult your dealer.*

## Aerial Connection

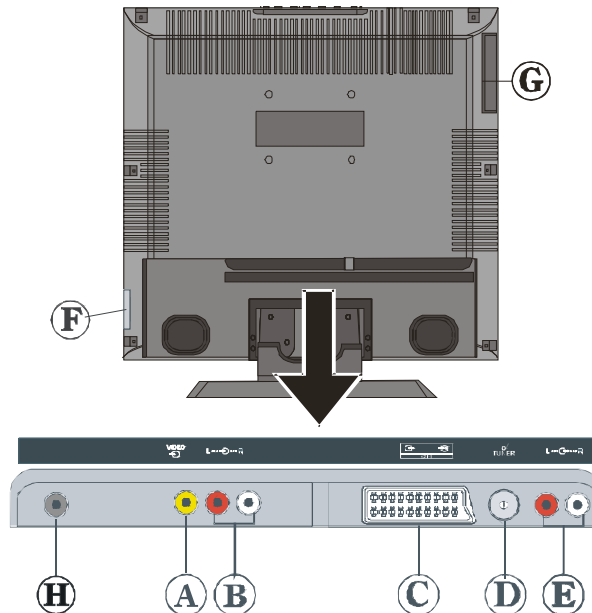


## Peripheral Equipment Connections



## Connectors of the TV

- Ⓐ VIDEO INPUT
- Ⓑ AUDIO INPUT (L, R)
- Ⓒ SCART
- Ⓓ ANTENNA
- Ⓔ AUDIO LINE OUT
- Ⓕ HEADPHONE
- Ⓖ CI SLOT
- Ⓗ POWER CABLE



English - 28 -

## Tips

### Screen Care

Clean the screen with a slightly damp, soft cloth. Do not use abrasive solvents as they may damage the coating layer of the TV screen.

### Poor Picture

Have you selected the correct TV system? Is your TV set or house aerial located close to a non-earthed audio equipment or neon lights, etc.?

Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial.

Is the picture or teletext unrecognisable? Check if you have entered the correct frequency.

The picture quality may degrade when two peripherals are connected to the TV at the same time. In such a case, disconnect one of the peripherals.

### Image Persistence

Please note that ghosting may occur while displaying a persistent image. LCD TVs' image persistence may disappear after a short time. Try turning off the TV for a while.


To avoid this, do not leave the screen in still picture for extended periods.

## No Picture

Is the aerial connected properly? Are the plugs connected tightly to the aerial socket? Is the aerial cable damaged? Are suitable plugs used to connect the aerial? If you are in doubt, consult your dealer.

No Picture means that your TV is not receiving a transmission. Have you selected the correct button on the remote control? Try once more.

## Sound

You can not hear any sound. Did you perhaps interrupt the sound, pressing the  button?

Sound is coming from only one of the speakers. Is the balance set to one extreme? See Sound menu.

## Remote Control

Your TV no longer responds to the remote control. Perhaps the batteries are exhausted. If so you can still use the local buttons at the bottom of the TV.

## Specifications

### TV BROADCASTING

PAL/SECAM B/G D/K K' I/I' L/L'

### RECEIVING CHANNELS

VHF (BAND I/III)

UHF (BAND U)

HYPERBAND

CABLE TV (S1-S20/ S21-S41)

### NUMBER OF PRESET CHANNELS

100

### CHANNEL INDICATOR

On Screen Display

### RF AERIAL INPUT

75 Ohm (unbalanced)

### OPERATING VOLTAGE

220-240 V AC, 50 Hz.

### AUDIO

German + Nicam Stereo

### AUDIO OUTPUT POWER ( $W_{RMS.}$ ) (10% THD)

2 x 2

### POWER CONSUMPTION (W)

45 W

0.9 W (Stand-by)

### PANEL

4:3 display, 15" Screen Size

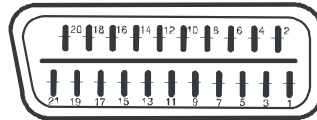
### DIMENSIONS (mm)

DIMENSIONS (mm)				
D	L	H	Weight (kg)	
125	376	380	3,1	With foot
75	376	348	2,9	Without foot

## Pin Specifications

### SCART connector pin specifications

Pin	Input signal	Pin	Input signal
1	AUDIO OUT (RIGHT)	12	Not used
2	AUDIO IN (RIGHT)	13	RGB-R GND
3	AUDIO OUT (LEFT/MONO)	14	GND
4	AUDIO GND	15	RGB-R / S.VHS CHROMINANCE IN
5	RGB-B GND	16	BLANKING SIGNAL
6	AUDIO IN (LEFT/MONO)	17	COMPOSITE VIDEO GND
7	RGB-B IN	18	BLANKING SIGNAL GND
8	AUDIO / RGB SWITCH / 16:9	19	COMPOSITE VIDEO OUT
9	RGB-G GND	20	COMPOSITE VIDEO / S.VHS LUMINANCE IN
10	Not used	21	GND / SHIELD (CHASSIS)
11	RGB-G IN		



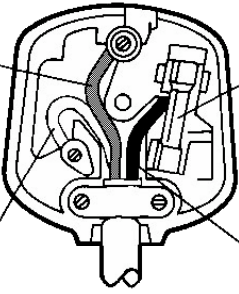
### Important Instruction

For your own safety read following instruction carefully before attempting to connect this unit to the mains supply.

**MAINS (AC) OPERATION**

The wires in the mains lead are coloured in accordance with the following code :

**GREEN  
&  
YELLOW  
(Earth)  
(if there is  
earth cable)**



**FUSE**

**BROWN  
(Live)**

**BLUE  
(Neutral)**

**IMPORTANT**

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

The wire which is coloured green and yellow must be connected to the terminal which is marked with the letter E, or by the earth symbol, or coloured green or green and yellow.

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

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

For continued protection against risk of fire, replace only with same type and rating of fuse (ASTA approved 5A 250VAC fuse).

**CAUTION**

TO PREVENT ELECTRIC SHOCK DISCONNECT FROM THE MAINS BEFORE REMOVING COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**SAFETY PRECAUTION**

THIS EQUIPMENT MUST BE DISCONNECTED FROM THE MAINS WHEN NOT IN USE. DO NOT ALLOW THIS UNIT TO BE EXPOSED TO RAIN OR MOISTURE.

