akura

Model : APL21668FD

SP 7050

Digital LCD TV

with DVBt "Freeview" HDMI

akura

USER'S MANUAL

HDMI™ *FULLHD* 1080P DVB JV
HIGH-DEFINITION MULTIMEDIA INTERFACE

Customer Help Line : 0845 293 7698

Website : www.ekey.co.uk

Contents

1. Safety Information


```
        ⚠              CAUTION              ⚠
                  RISK OF ELECTRIC SHOCK
                       DO NOT OPEN

            TO AVOID THE RISK OF ELECTRIC SHOCK
            DO NOT REMOVE COVER (OR BACK)
            NO USER SERVICABLE PARTS INSIDE
            REFER SERVICING TO QUALIFIED PERSONNEL
```

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the persons.

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

Correct disposal of this Product
(Waste Electrical & Electronic Equipment (WEEE)
The crossed out "Wheelie bin" is intended to show that this appliance must not be placed with ordinary household waste at the end of its useful life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please keep separate from other household waste and recycle it responsibly to promote the sustainable reuse of material resources.
 Household users should contact either the retailer where you purchased the product, or their local government office for details of where and how you can take this item for environmentally safe re-cycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract. This product must not be mixed with other commercial wastes for disposal

This appliance complies with European Safety and Electrical directives

CAUTION. PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS USER MANUAL AND MARKED ON THE APPLIANCE. RETAIN THIS BOOKLET FOR FUTURE USE. This set has been designed and manufactured to assure your personal safety. Improper use can result in Electric shock or Fire hazard. The safeguards in this appliance will protect you if you observe the correct procedures for installation, servicing and operation. There are NO user parts inside. DO NOT REMOVE THE CASE OR OTHER COVERS OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGES AND WILL INVALIDATE YOUR WARRANTY. REFER ALL SERVICING TO QUALIFIED SERVICE PERSONNEL.

Unpacking and Handling. Open the carton carefully and remove the polyfoam packing. Carefully lift the TV and place onto a firm stable surface. Lift off the Poly bag and retain all packaging for future use. Keep all packaging away from small children and animals.

Placing TV. The TV should be placed on a firm table or shelf. If placing in a cabinet ensure there is sufficient spacing for air flow and access for the DVD player opening..

Ventilation and Heat Sources. Do not place material over the ventilation slots, this will cause the TV to overheat and fail. Do not place the TV in direct sunlight or near heat sources such as radiators or fires.

Ventilation slots. Do not allow objects to be dropped inside the ventilation slot, this could cause a short circuit and a possible fire. Do not allow chains to be dangled into the TV. A serious electrical shock my occur.

Candles and Open flames. Do not place lighted candles ("T" Lights) on the top or at the sides of the TV, or any other naked flame near the TV cabinet.

Connections. When connecting the TV to external sources and the mains supply, do not place wires that can be tripped over. Do not trap or place heavy objects on the mains lead or adaptor.

Dis-connection Device. The mains plug is the Disconnection device and MUST be accessible at all times

Moisture. Do not place the TV in wet or damp conditions, such as steamy kitchens, basements or other damp places. Do not allow water or other fluids to enter the TV. Do not touch the Mains plug or adaptor with wet hands. Should moisture enter the TV, disconnect from the supply and call the customer help line.

Cleaning. Disconnect the TV from the mains supply. Use a soft dry cloth, for stubborn stains use a soft moist cloth with a dilute mild detergent.. Do NOT use petrol based fluids or abrasive materials.

LCD Screen. Do not hit or cause impact to the LCD screen. The screen consists of many individual pixels and is easily damaged. Bright or dark dots may occur and are not covered by warranty.

Lightning.
During a thunderstorm or when leaving the appliance for long periods such as holidays, disconnect the aerial input (if external aerial) and remove the mains plug, This is to prevent power surges damaging the apparatus

Headphone Use.
When using headphones do not use for long periods. Loud music can permanently damage your hearing.

DIGITAL SWITCH OVER AND YOUR TV.

WHAT YOU NEED TO DO TO ENJOY WATCHING TV DURING AND FOLLOWING DIGITAL SWITCH OVER.

Starting in 2008 and ending in 2012, television services will go completely digital, TV region by TV region. To continue using this digital TV during and following the digital switchover, you will need to "reset" your digital TV channels.

Users of this digital TV must reset on at least 2 different occasions, normally 1 month apart when your switchover happens. Digital UK, the body leading the digital switchover, and broadcasters, will advise you when to reset your digital channels on each occasion.

If you do not reset your digital channels, you risk loosing some or all of your TV services during and following switchover.

Please refer to this instruction manual to retune the Digital TV services.

Do NOT use "ADD" channels, you MUST "AUTO TUNE" and allow a complete retune. (See page 14)

For more information please contact the "Customer Help Line" (Page 20) or visit www.digitaluk.co.uk

3. Accessories

Please check the contents of the TV before you continue. If any item is missing please contact your point of purchase.
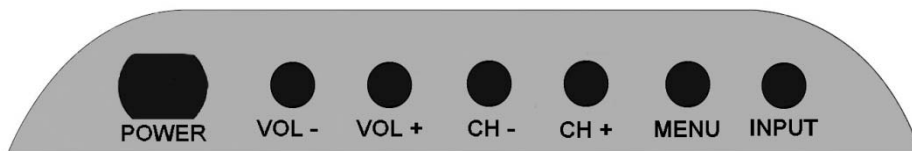
Remote Control

User Manual

akura

Model : APL21668FD
SP 7050

21.5" (54.6cm) Digital LCD TV

with DVBt "Freeview" HDMI

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USER'S MANUAL

HDMI *HD* DVB JV

Customer Help Line : 0845 293 7698
Website : www.ekey.co.uk

4. User Controls.

AC/DC Adaptor   Mains lead

POWER   VOL -   VOL +   CH -   CH +   MENU   INPUT

LED

IR Lens

1. Power. Turns TV On from standby. Also returns TV to standby.

2. Vol – Reduces Volume level. In menu mode will shift the selection to the left, or decreases level being adjusted.

3. Vol + Increases Volume level. In menu mode, will shift the selection to the right, or increase level being adjusted.

4. CH - Reduces channel selection by 1 with each press. In menu mode will shift the selection downwards.

5. CH + Increases channel selection by 1 with each press. In menu mode will shift the selection upwards.

6. Menu. Selects the MENU function. If in a sub menu, will revert to previous level of menu.

7. Input. Selects the different input sources, each press will select another input source.

8. LED. Displays Tv status. In standby illuminates Red, in operation illuminates Green.

9. I R Lens. Remote control receiver lens. Do not obstruct or cover.

5. Remote Control.

1. STANDBY. Switches TV to Standby and Operation.

3. P MODE. Selects picture modes.

5. S MODE. Selects sound modes.

7. 0-9. Numeric buttons for direct channel selection or track/chapter numbers.

9. SOURCE. Selects various input modes.

11. UP. Navigation button

13. OK. Confirmation button.

15. LEFT. Navigation button.

17. VOL -. Volume down button.

19. VOL +. Volume up button.

21. LCD MENU. Enters Setup menus.

23. EPG. Selects Electronic Programme Guide..

25. TXT. Selects Teletext.

27. INDEX. Selects Text index.

29. MIX. Shows picture in background of Text.

31. REVEAL. Reveals hidden answers in Text quiz pages.

33. RED. Red fast text mode.

35. GREEN. Green fast text mode.

37. HOLD. HOLD freezes text pages.

39. YELLOW. Yellow fast text mode.
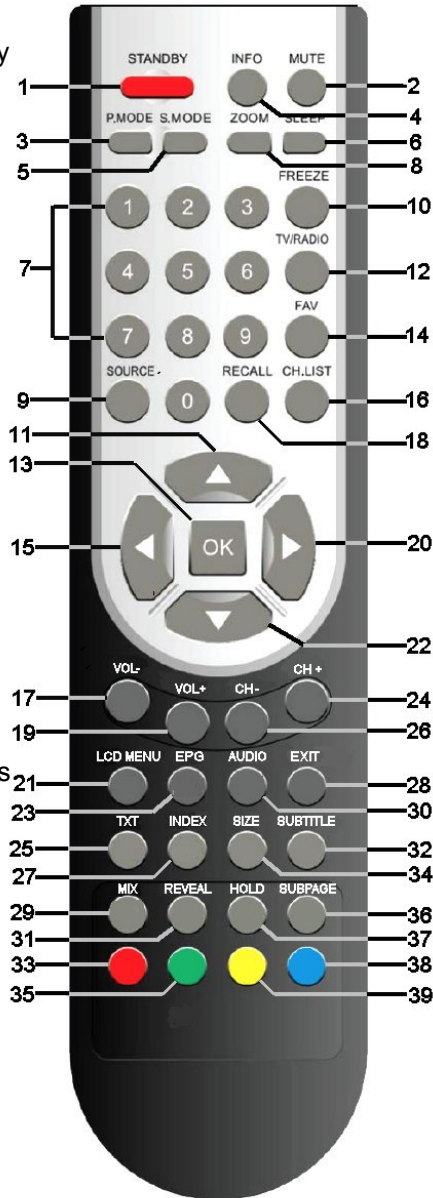
2. INFO. Displays TV settings and channel being viewed.

4. MUTE. Press to mute sound, press again to restore sound.

6. SLEEP. Sets sleep timer, sets from 3 hrs to 10 minutes.

8. ZOOM. Selects picture sizes and aspect ratios.

10. FREEZE. Freezes picture. Press again to restore normal viewing.

12. TV/RADIO. Selects TV or Radio in DVBt mode.

14. FAV. Displays Favourite program listing.

16. CH LIST. Displays list of all received channels.

18. RECALL. Recalls previous channel viewed.

20. RIGHT. Navigation button.

22. DOWN. Navigation button.

24. CH+. Channel UP select.

26. CH-. Channel DOWN select.

28. EXIT. Exits setup menus

30. AUDIO. Switches between Nicam and Mono in Analog TV mode. In DVBt mode selects different soundtracks if transmitted.

32.SUBTITLE. Displays subtitles in Analog, and DVBt modes

34. SIZE. Changes Text size in Analog text mode.

36. SUBPAGE. Subpage selects subpage numbers in text mode.

38. BLUE. Blue fast text mode.

Battery Fitting and Disposal

1. Open the battery cover
2. Fit two "AAA" batteries. Ensure the battery polarities are correct i.e + to + and – to -.
3. Replace the battery cover
   To prevent injury, do NOT break open or throw exhausted batteries in a fire.
   Do not mix batteries, old and new, Carbon or Alkaline.
   Do not use re chargeable batteries.
   Remove batteries if not using the remote control for long periods to prevent leakage.
   If the batteries do leak, clean the compartment with soapy water and scrape any residue from the contacts. To NOT touch or ingest battery residue.
   Should you swallow chemicals leaked from a battery, please URGENTLY consult a medical adviser.
4. In the event that the remote control does not function, please check that the + VE end of the battery terminals are in contact with the connection spring. Some batteries have a smaller + VE terminal and may not reach the spring. You can stretch the spring slightly to ensure connection
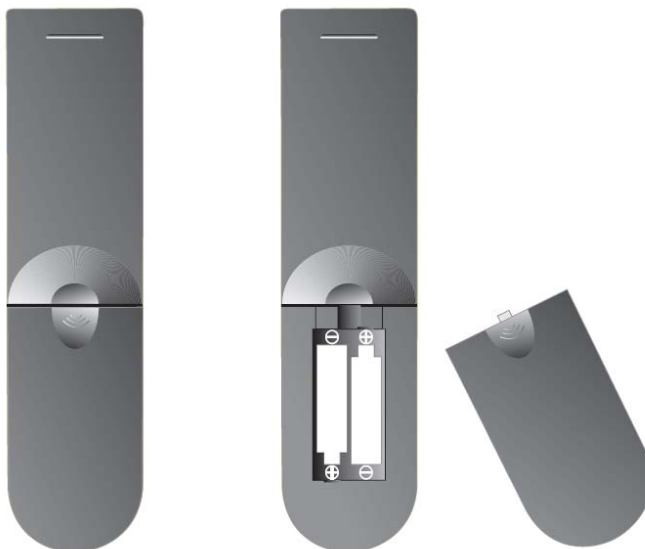
Do Not place used batteries in domestic waste, consult your battery retailer or your local waste disposal company for advice.".

6. Connections.

IMPORTANT. When making connections ensure the TV is disconnected from the DC supply input, and that the appliance being connected is also disconnected from the mains supply.

| HEAD PHONES | TV TUNER | CI SLOT | SCART | L
Pr | R
Pb | CVBS
Y | S.VIDEO
PC AUDIO | VGA | HDMI | DC INPUT |
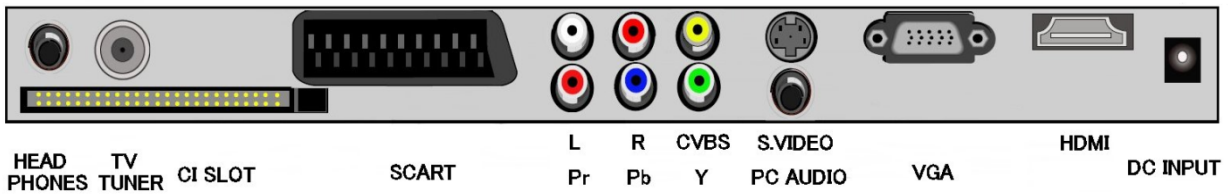
HEAD PHONES. Stereo output to headphones only.
TV TUNER. RF input from TV aerial or cable source.(1 m/V @ 75 Ω) typical.
CI SLOT. Place a CAM (Conditional Access Module) into this point to allow a "Pay per View" card
SCART. Audio /Video input and output. (General quality).
AUDIO L/R. Low level audio inputs used in conjunction with CVBS input.
CVBS. Low quality video input (1vPP 75 Ω)
Y,Pb,Pr. Interlace or Sequential Component Video Input, "typical use PS3 input".
S-VIDEO. Camcorder signal input (Video only)
PC AUDIO. Stereo audio input from PC (Used in conjunction with VGA input).
VGA. PC input (RGB).
HDMI. Input from HDMI source (High Definition).
DC INPUT. +12V DC 4.2 A max.

Typical connections
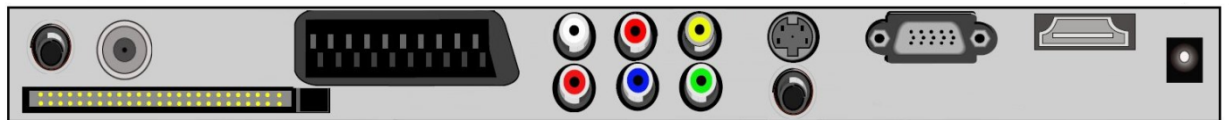
CVBS Input and Audio Inputs
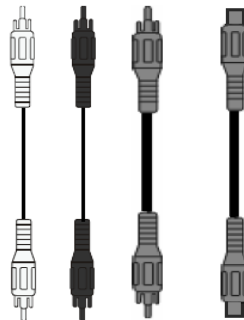
S-VIDEO Input

HDMI Input

Headphones.
Disconnect TV from mains adaptor.
Plug in headphones.
Re connect adaptor. Turn on TV.
Set volume level for comfortable listening.
Note :- Do NOT use headphones at high volume levels for prolonged periods.

Disconnect TV from mains adaptor.
Connect CVBS or S-Video lead and Audio L/R (if required).
Apply power to TV and source.
Use **SOURCE/INPUT** button to select AV or S-VIDEO
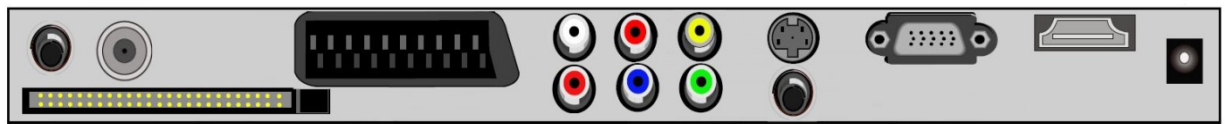
Disconnect TV from mains adaptor.
Connect HDMI input.
Apply power to both TV and source.
Use **SOURCE/INPUT** button to select HDMI.
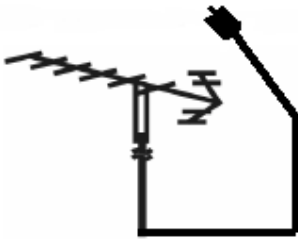
6. Connections.

HEAD PHONES   TV TUNER   CI SLOT   SCART   L Pr   R Pb   CVBS Y   S.VIDEO PC AUDIO   VGA   HDMI   DC INPUT

Antenna or cable

SCART.
Disconnect TV from mains adaptor.
Connect scart lead to TV and appliance.
Connect adaptor to TV and power to appliance.
Use **SOURCE/INPUT** to select SCART.
In some circumstances the TV will automatically
select scart when the appliance is used.

PC connections.
Disconnect TV from mains
adaptor.
Connect VGA (15 pin)
plug to TV and PC.
Connect stereo audio
lead.
Connect supply to TV and
PC.
Use **SOURCE/ INPUT**
button to select VGA.

HEAD PHONES   TV TUNER   CI SLOT   SCART   L Pr   R Pb   CVBS Y   S.VIDEO PC AUDIO   VGA   HDMI   DC INPUT
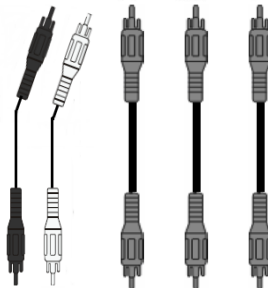
Y,Pb,Pr
Disconnect TV from mains
adaptor.
Connect Y,Pb,Pr leads and audio
leads to TV and appliance.
It is wise to use dedicated
Y,Pb,Pr leads from your retailer.
Re Connect adaptor to TV and
power to appliance.
Use **SOURCE/INPUT** button to
select Y,Pb,Pr.

Mains Adaptor.
Do not connect mains
supply until the adaptor
is connected to the TV.

6. Connections.

Source/ Input Menu.

SOURCE

DTV
TV
AV
S-VIDEO
SCART
YPB PR
HDMI
PC

To access the Source menu, press the SOURCE button on the Remote Control or the INPUT button on the TV.

Using the ▲/▼ buttons select the Source / Input required and press OK to select.

7. Menu Operation.

Connect the TV to the Mains supply and suitable aerial. It is advisable not to connect other apparatus until you have established that the TV is working correctly. If using the TV for DVBt (Freeview) viewing the existing aerial may not be suitable. Indoor aerials (set top) may not be suitable for some of the received stations. If stations are missing, freeze or break up, it is certainly the aerial signal that is not sufficient.

Turn on the power and a Red led will be displayed in the lower right corner.

Press either the Standby button on the remote control or the Power button on the TV.

The led will now turn Green and the screen will light up after approx 5 seconds.

At this stage no stations will be stored.

7. Menu Operation.

Basic Tuning

Press the LCD MENU button on the Remote Control. The menu as in Fig 1 will be shown.

Using the ▲/▼ buttons select "YES".
If you are in a different country, select "COUNTRY" use the ►/◄ buttons to select your country of choice.
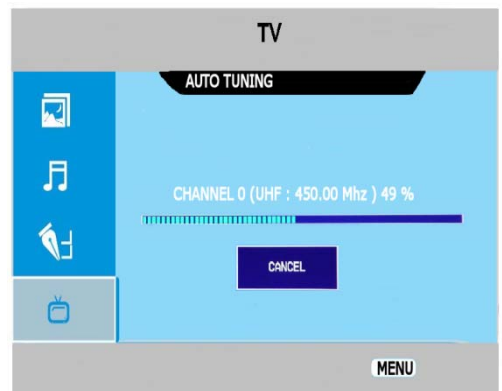If you require a different language, select "LANGUAGE" and use the ►/◄ buttons to select a language of your choice.
"Note:- Language may also be selected in the Function Menu".

FIRST TIME INSTALLATION

COUNTRY	UK
LANGUAGE	ENGLISH
DELETE PROGRAM	YES
SEARCH PROGRAM	YES
YES	NO

↕ MOVE   ← OK   MENU EXIT

Fig 2

When "YES" has been selected Fig 2 will be displayed, showing that the Analog TV channels are being searched.

TV

AUTO TUNING

CHANNEL 0 (UHF : 450.00 Mhz) 49 %

CANCEL

MENU

Fig 3

When searching of the Analog channels have been completed, the TV will then search for the Digital Stations (Fig 3).

When all the channels have been searched the TV will display Channel 1 (BBC1) in DTV Mode.

It may occur that the Analog Stations are not in the correct order to change the order see pages 15/16.

Channel Search

S No	TV CHANNEL	S No	RADIO CHANNEL
0071	CBeebies	0709	BBC Asian net
0009	BBCFOUR	0701	BBC 1Extra
0305	305	0708	BBC Radio 7
0087	Community	0707	BBC 6 Music
0302	302	0706	BBC R5SX
0030	FIVER	0705	BBC R5L

Channel 49 UHF   698000Khz/8M
Progress   57%

7. Menu Operation.

LCD Menu.
Press the LCD MENU button to display the PICTURE menu, Fig 4 will be displayed.

To select the other menu's press the ▲/▼ button and the Highlight bar at the left of the menu will move Upwards or Downwards To enter each menu press the ► button. To exit any sub menu press the LCD MENU button. To exit the menu's totally press the EXIT button.

Picture Menu. (Fig 4).
To change the picture settings use the ▲/▼ buttons to select the feature and then use the ◄/► buttons to change the levels.

Picture Mode. Select from Personal, Dynamic, Standard and Soft modes.

Personal is an adjustable location to set the picture settings to your choice.
Standard is set as the average picture setting.
Movie. Optimised for viewing film material
Mild is set as a easy viewing setting.
Game. Optimised for playing games.

Brightness. Adjusts the overall picture brightness.
Contrast. Adjusts the ratio of dark to light.
Colour. Adjusts the colour saturation (colour depth).
Sharpness. Adjusts the clarity of the picture. If the signal is noisy (analog) then this setting should be reduced to mask the noise.
Tint. Only available when using NTSC sourced material from the AV inputs

PC Mode. (Fig 5).
The picture settings are different for PC Mode.
H Position. Adjusts the picture position horizontally.
V Position. Adjusts the picture position vertically.
Phase. Adjusts the clock phase to minimise picture jitter.
Clock. Adjusts the monitor to the PC.
Auto Sync. Adjusts the PC to the TV automatically. When selected the picture may "jitter" and jump for a few seconds until the adjust-ments are optimised.

PC Picture Mode (Fig 6).
The picture setting selection is different for PC operation.
Picture Mode (as Fig 5)
Brightness. Adjusts the overall picture brightness.
Contrast. Adjusts the ratio of dark to light.
Colour Temperature. Adjusts the colour hardness, select between Normal, Warm, Cold.
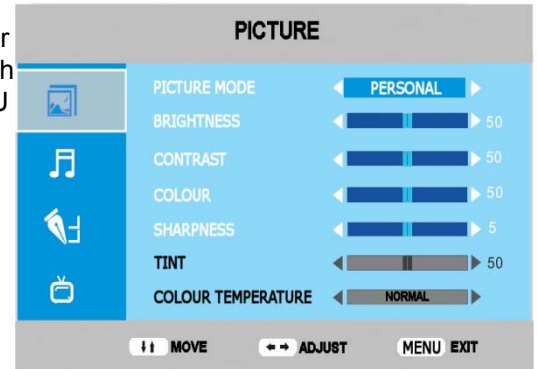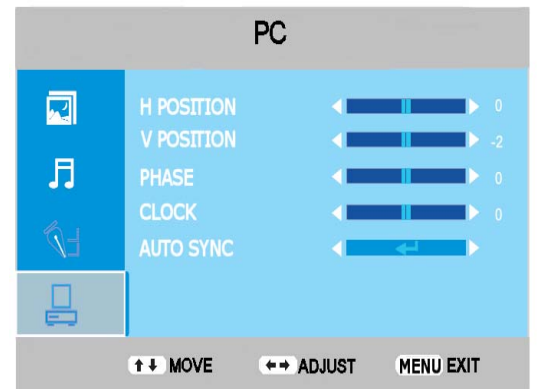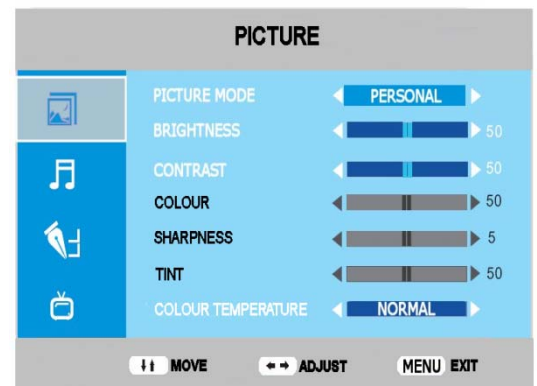
Fig 4

Fig 5

Fig 6

7. Menu Operation.

Fig 7

Sound. (Fig 7)

Sound Mode. Select from :- Standard, Music, Voice, Theatre and Personal.
Standard. Used for general viewing.
Music. Selected for enhanced music appreciation.
Voice. Selected for News and voice based programmes
Theatre. Suitable for Films and large productions
Personal. Adjust for your personal listening.

Bass. Adjusts lower register frequencies.
Treble. Adjusts higher register frequencies.
Balance. Adjusts the level of the left and right speaker.

Function. (Fig 8)

Language. Selects the OSD Language. You may chose between English, Italian, Spanish, Portuguese, French and German. (The default is English).
Video Size. Adjusts the Picture size for various aspect ratios you may select from :- Auto, Full, 4 : 3, 14 : 9 and Zoom.
TT Language. Selects Teletext Languages. Chose from Western Europe, Eastern Europe, Russian, Arabic, Farsi, Greek, Cyrillic and Hebrew.
Sleep Timer. Selects the Sleep Timer settings from OFF, 15, 30, 45, 60, 75, 90, 105, 120 minutes. This may also be selected using the SLEEP button on the Remote Control.
OSD Timer. This selects the time the OSD menu is displayed on the screen, it can be set from "Never", 5, 10, 30, 60 Seconds. (Never is OSD ON continuously until it is turned off using the Menu or Exit buttons on the Remote Control).
Blue Screen. This can be turned On or Off. In On mode, when no signal is detected the screen displays Blue. In Off mode the screen displays "noise".
Reset. This resets the User settings back to factory "default" settings.

Child Lock / Key Lock (Fig 9). This enables you to set the Child Lock ON, set the password and change the password. **Child Lock**. When set to ON, you must enter the password each time the TV is turned on. **Key lock** ON stops the user from accessing the operation of the TV with the user buttons, the Remote Control functions normally.
Select the Child lock menu and press OK. The Password menu will be shown, enter the correct password (0000 factory default) and the Menu (Fig 10) will be shown. Use the ▲/▼ buttons to select Child Lock, Key Lock or Change Code. To change each function use the ►/◄ buttons.
To change the Password code, select "CHANGE CODE" and press OK. Fig 11 will be displayed. Enter the old code and then the new code twice. PASSWORD ACCEPTED message will be displayed. Please ensure you make a note of the new number and KEEP IT SAFE.
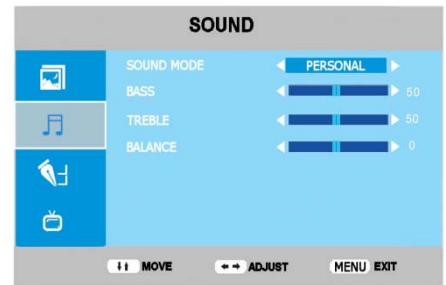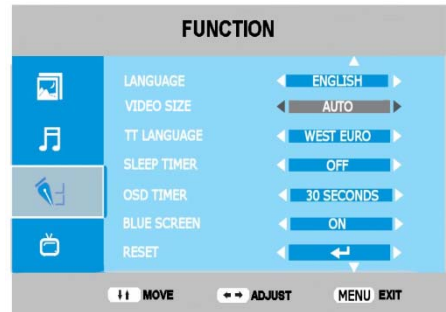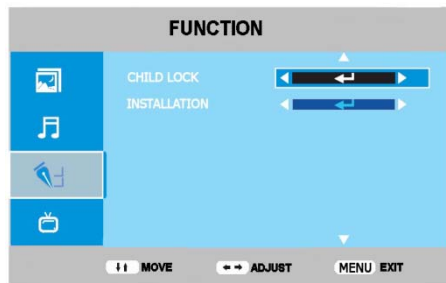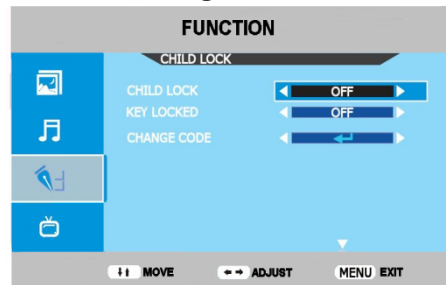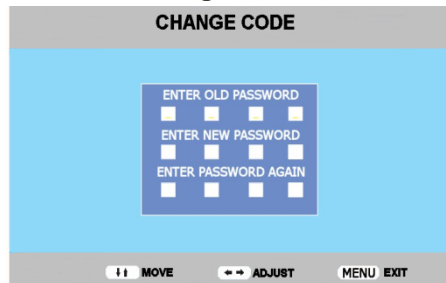
Fig 8

Fig 9

Fig 10

Fig 11

8. Menu Operation. Digital

Fig 12

Digital Installation.
Should you move to another location you may need to re install the DTV
channels. Select Installation and you will see the menu as in FIG 1.
A full retuning will now take place.

DTV Auto Tuning. (Fig 12)
After initial installation it may be necessary to re install all the stations
especially if new stations have been added. Select DTV SOURCE. Press
LCD MENU and select DTV Tuning menu. Select Auto Tuning and press
►. The sub menu (Fig 13) will be shown. Select YES using the ►/◄
buttons and press OK. The search tuning will now start and a display will
show progress (Fig 14).
When tuning is complete the TV will display the first channel (BBC1) in
DVBt mode. All received channels will be stored.
If using in another country, select COUNTRY using the ▲/▼ buttons and
select the country using the ►/◄ buttons.

DTV Manual Search. (Fig 15).
It may be necessary to add more digital channels as they are provided
by the programme providers or manually tune stations for reasons
(above).
Select DTV Manual Tuning and press Ok. Using the ►/◄ buttons select
the **Channel Name** of the multiplex (channel) required. The correct
channel numbers are available from the website www.dtg.org.uk, and
select "Transmitters". If you do not know which region you are in, go to
website www.digitaluk.co.uk and Insert your postcode, you will then be
shown which region you are in.
At the bottom of the menu you will see a bar scale showing the quality of
the signals on that channel. Press OK to start the search. When
complete the menu will display the number of TV and Radio stations
received, and then return to BBC1. (See Fig 14).

CH MANAGE.
Enter the **DTV** menu (Fig 12) , select **CH Manage,** and press OK
"A sub menu (Fig 16) will be displayed".
Select "**CH ORGN**" to enter the Channel Organizer menu Fig 17
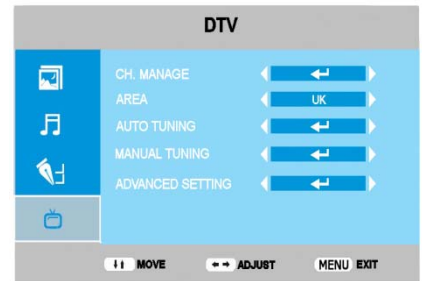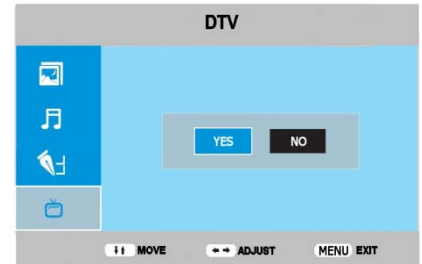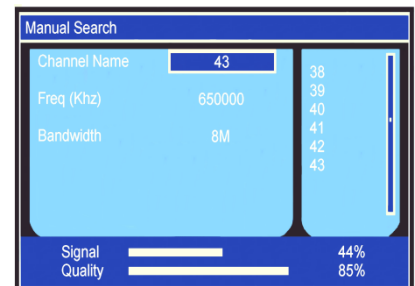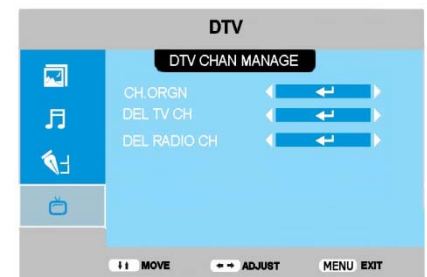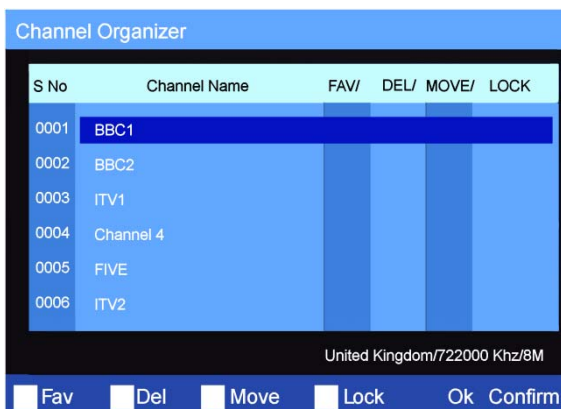
Fig 17

Fig 13

Fig 14

Fig 15

Fig 16

8. Menu Operation. Digital

FAV.
To select Stations that you wish to have as "Favourites" select the station required by using the ▲/▼ buttons. Press the **RED** button. This will place a Red Heart into the **FAV** column. To de select press the RED button again.

DEL.
To delete any station, use the ▲/▼ buttons to select the station and press the **GREEN** button. This will place a White X in the **DEL** column. To delete press OK. You will be asked to confirm the deletion by selecting YES or NO. If you press YES the station will be deleted permanently.
To restore the station you must perform a Manual Tuning or Auto Search as on page 14. To unselect press the GREEN button again.

MOVE.
You may wish to move a station to another more convenient location.
Select the station using the ▲/▼ buttons. Press the **YELLOW** button. A Yellow arrow will be displayed in the **MOVE** column. Using the ▲/▼ buttons, select the destination you wish to move the selected station to and press OK. The station will now move and all the stations below will move down one location.

LOCK.
To lock a station (Adult Station). Select the station using the ▲/▼ buttons. A box requesting the PASSWORD will be shown. Enter the password. A Blue Lock symbol will now be shown in the **LOCK** column.
You may also add the lock feature to any location without further Password insertions.
Each time this "Locked" station is selected you will be requested to enter the Password.
To remove the lock, re enter the Menu and press the Blue button.

RENAMING STATIONS.
It may be necessary to Rename a TV station. Select **CHANNEL ORGANISER** and using the ▲/▼ buttons select the station you wish to rename.
Press either of the ►/◄ buttons. The menu of Fig 19 will be displayed. To select the letters use the Numeric buttons, to select Upper case or Lower case use the Yellow button, to Select Letters or Numbers use the Red button, to move the cursor use the Blue button, and to Delete a letter use the Green button. When completed press "OK" and the TV will display the new name in that selected location.

Delete All DTV stations. (Fig 16).
Should you need to Re install the Digital TV stations first you must Delete all the stored stations. Select **DEL TV CH.** Press OK and you will be asked to select YES or NO. If you chose YES all the DTV channels will be deleted.
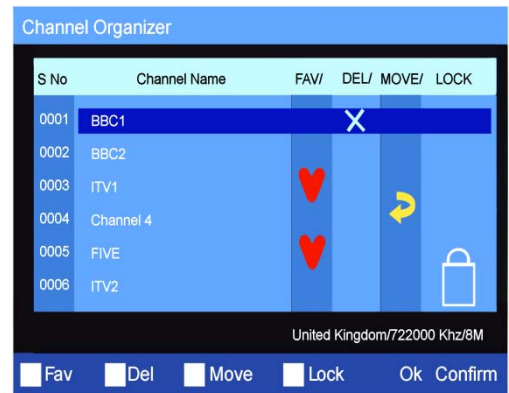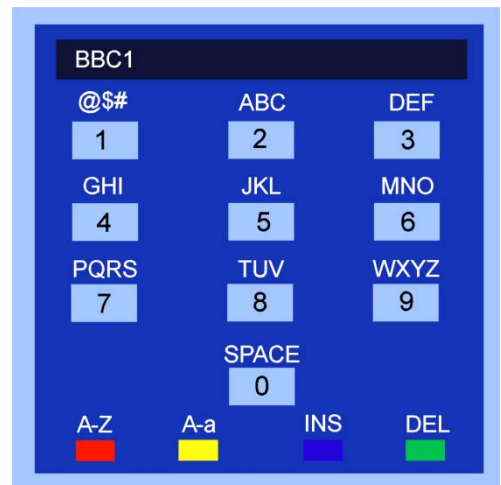You must then see page 13 to re install the DTV stations.

8. Menu Operation. Digital

Delete All RADIO stations. (Fig 16).
Should you need to Re install the Digital RADIO stations first you must Delete all the stored stations. Select **DEL RADIO CH.** Press OK and you will be asked to select YES or NO. If you chose YES all the RADIO channels will be deleted.
You must then see page 13 to re install the RADIO stations.

ADVANCED SETTINGS. (Fig 20)

Enter the DTV Menu (Fig 12) and select ADVANCED SETTINGS.

AUDIO. If other languages are transmitted, you may select them in this mode. Select AUDIO using the ▲/▼ buttons and to change the language use the ►/◄ buttons. (English is default in UK).

SUBTITLE. If other languages are transmitted, you may select them in this mode. Select SUBTITLE using the ▲/▼ buttons and to change the language use the ►/◄ buttons. (English is default in UK).

CI. This setting allows you to see the settings of your CI card. For further information see page 18.
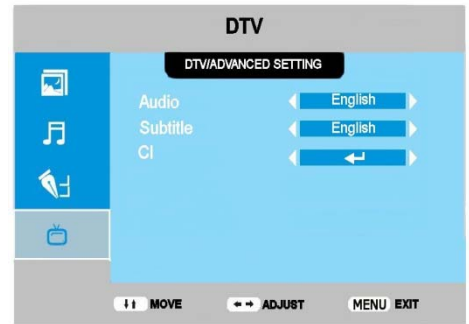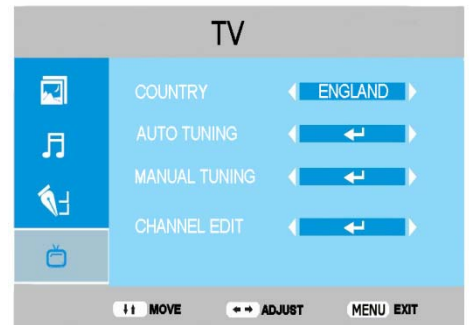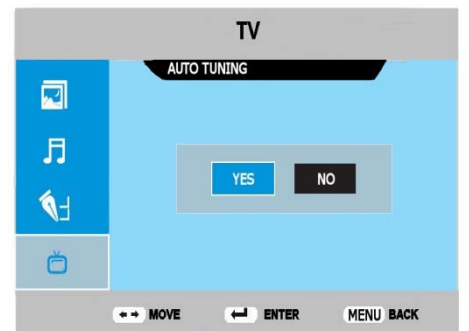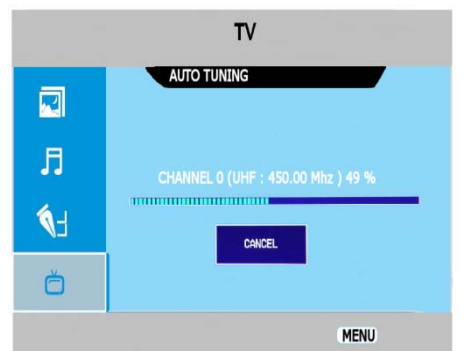
Fig 20

Fig 21

Fig 22

9. Menu Operation. Analog

ATV Auto Tuning. (Fig 21)
After initial installation it may be necessary to re install all the stations especially if you have moved the TV to a different area. Select TV SOURCE. Press LCD MENU and select TV Tuning menu, select Auto Tuning and press ►. The sub menu (Fig 22) will be shown. Select YES using the ►/◄ buttons and press OK. The search tuning will now start and a display will show progress (Fig 23).
When tuning is complete the TV will display the first channel (BBC1) in ANALOG mode. All received channels will be stored.
If using in another country, select COUNTRY using the ▲/▼ buttons and select the country using the ►/◄ buttons.
The Analog stations are stored in station order i.e BBC1, BBC2 etc, however in certain circumstances a station may be out of order, these stations will need to be correctly ordered, see page 17.

Fig 23

9. Menu Operation. Analog

ATV Manual Tuning. (Fig 24).
It may be necessary to add a channel for a TV game or similar without fully retuning the TV.
If you are adding a TV game to be used on the aerial, unplug the TV aerial and insert the game.
Ensure the game is turned on.
Using the SOURCE button select TV (Analog).
Open the LCD Menu and select TV. Select "MANUAL TUNING" and press OK. Select CHANNEL and use the ►/◄ buttons to select a vacant location. Select MANUAL TUNING and press ► to tune upwards or ◄ to tune downwards, Hold down the ► or ◄ button for more than 3 seconds, the TV will then start tuning. To Exit this feature press the "LCD menu" button. If it is a TV game they are usually defaulted to 600Mhz.

Fig 24

Sound System. In the UK "I" is the correct setting, however if you are moving to Europe the sound setting will need to be changed. Use the ► button to select the correct system.
"I" UK "default", "B/G" for Western Europe, "D/K" for Eastern Europe. "L" for France (SECAM) only.

Colour System. In the UK and Western Europe except France "PAL" is used, In Eastern Europe and France (SECAM) is used. Note (SECAM) can only be selected when the "Country" is set to a (non UK) setting.

AFT. Automatically turned ON when the menu's are closed. Turned OFF when in Manual Tuning.

Fig 25

Channel Edit. (Analog) (Fig 25).
Fav "Green".
To select "Favourite" channels you may "TAG" the stations required and then use the FAV button to select these. Select CHANNEL EDIT and press OK. You will now see Menu Fig 18. Use the ▲/▼ buttons to select the required station and press GREEN. This will now place a green tag next to that channel. To remove the tag, press green again.

Skip "Yellow". You may wish to "Skip" certain channels when using the CH+/CH- buttons. Use the cursor buttons to select the channel you wish to Skip. Press Yellow and a Yellow dot will be shown next to the channel selected. To remove the skip function, press the Yellow button again.
When a channel has been selected to Skip, you still may select that channel with the numeric buttons.

Lock "Blue". You may wish to stop certain channels from being selected. Move the cursor to the station you wish to lock, and press the Blue button. To unlock, press the Blue button again.
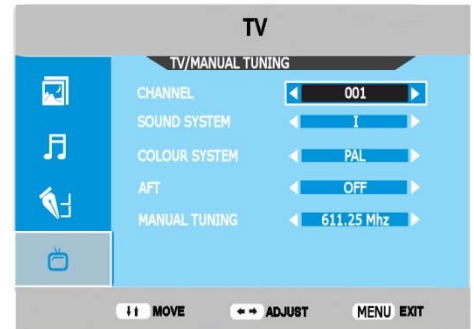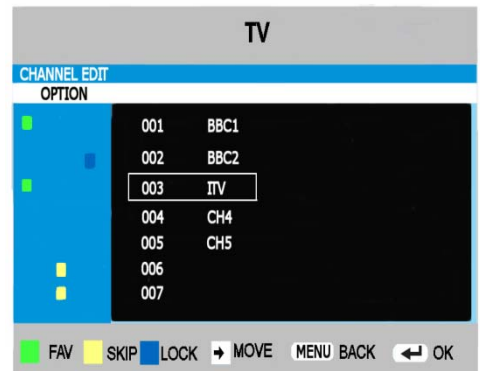
9. Menu Operation. Analog.

Fig 26

Move
If one of the stations has been incorrectly placed in the station listing, you may move it to the correct position, i.e, BBC1, BBC2, ITV, Channel 4, Channel 5. Using the cursor select the channel to be moved, press ►, a > will be added to that location see fig 26 . Move the station to the new location using the ▲/▼ buttons and press OK, this will move the station to the new location, see fig 27. To exit press LCD menu. When a station is moved, it moves the other stations "Down" one location, so it is wise to start at the top. The correct sequence should be :- BBC1, BBC2, ITV, Chan 4, Chan 5.

Fig 27

Rename Stations. To rename any station, use the "Move" menu (above) and select the station to be renamed. Press OK and you will see Fig 28. Use the ▲/▼/ ►/◄ buttons to navigate around the screen and press OK to enter each letter as required. When the station is renamed, press MENU to exit that level or EXIT to exit the full menu.

10. EPG (Electronic Programme Guide) (DVBt only).

Fig 28

An "Electronic Programme Guide" EPG is provided by the programme providers. To access this press the EPG button on the remote control.

The EPG provides programme information for the next 7 days. (Fig 29)

Press ▲/▼ to move up and down the list and ►/◄ to move across the list.

To access any programme use the ▲/▼ buttons to highlight, the programme will be shown in the background. Press EXIT to view the programme.

For more information about a programme press the Yellow button "Extended".

Fig 29

To see programmes for the next day or further, press the Green button and use the Red button to revert to Daily view.

Timer. (Blue button). You may select a programme on another channel at another time, to switch over automatically when that programme is about to start.

Select the programme and press the Blue button. The Programme title will change from White to Blue. To de select press the Blue button again.

Some boxes may be blank, the data may not available.
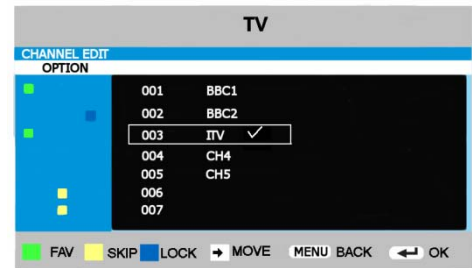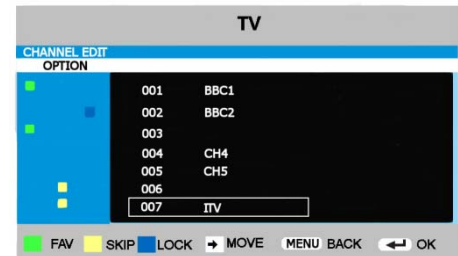
To exit the EPG, press the EPG button again or EXIT.

11. CAM Module

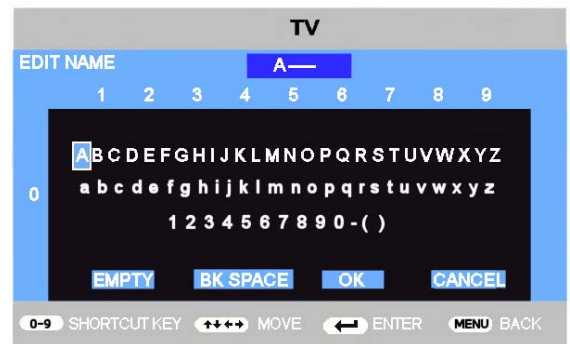**Using a CAM (Conditional Access Module) (CI Slot).**

This feature allows the user to access digital terrestrial "pay per view" channels. To use this facility a conditional access module (CAM) and viewing card need to be obtained by subscribing to a pay channel company.

To insert the module. Ensure the TV is fully disconnected from the power source.

Insert the CAM into the CI slot with the label facing the front of the TV (Fig 30). A positive stop should be felt if correctly fitted. DO NOT force the module.

To release the CAM push the button adjacent to the card and slide the module away from the TV.

Reconnect the TV and switch on. Select DTV.

Insert your "Pay per view" card. "Do NOT touch the gold contacts"

Press the LCD Menu button and select DTV Setting menu. Select CI Information and press ►.

If everything is working ok you will see (Fig 31). press OK. If things are working Ok you should see the information as in Fig 32.

To check the module is working use the ▲/▼ buttons to select Module Information and press OK, you should now see the information as in Fig 33

To check the card is working Ok select Smart Card Information and press OK. Again if everything is ok you will see a list as Fig 34. If the information is not present, remove the card reverse and reinsert. This information should now be seen.

Exit the menu's by pressing LCD menu and you are ready to view "Pay per view" channels.

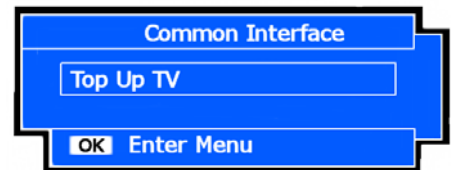To obtain the CAM and pay per view card, these may be purchased from good high street stores.

Fig 30

Fig 31

Fig 32

Fig 33

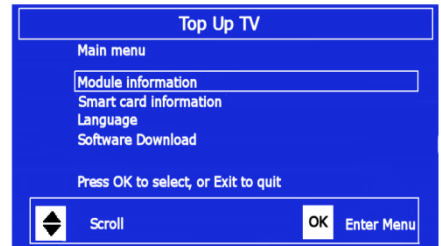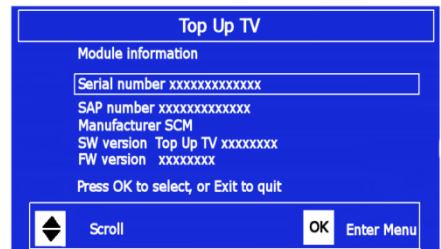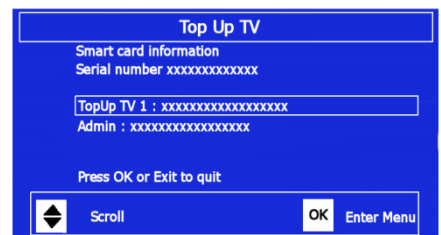**Fig 34**

12. Teletext. (Analog) TV

Teletext is an information system broadcast by certain programme providers. It can provide Subtitles for viewers hard of hearing. Weather, Travel information, games and many other services.

Below is a description of the buttons associated with Teletext.

TEXT. Press to select Teletext, press again to exit.

MIX Press to mix the video information to the text page. Press again to turn off.

INDEX. Press to access the index page directly.

SIZE. Press to increase the text size in the top half of the page, press again to increase the text size in the lower half of the page, press again to return to normal text size.

REVEAL. Press to reveal hidden answers in quizzes or puzzles.

SUBPAGE. Some text pages may contain several sub pages. To access these press this button and then enter the page number using the numeric buttons. Press again to exit the feature.

COLOUR BUTTONS. Red, Green, Yellow, Blue are used as fast access buttons to pages of text which are highlighted at the bottom of each text page.

HOLD. Press to hold any text page for easy viewing. Press again to return to normal.

Fig 35

13. Teletext. (Digital) TV (Fig 35)

Teletext is provided in the DVBt service and operates differently from Analog TV

To enter TELETEXT, press the RED Button.

Use the ▲/▼ buttons to select the category you require and press OK to enter. In each category there will be sub pages. Use the ▲/▼ buttons and OK button to select.

To exit Teletext. Press the TEXT button.

14. Digital Radio. (Fig 36)

To access the Digital Radio Stations continue as follows :- Press the DTV/RADIO button. Use the EPG button to see the Radio station listing. Select the radio station you require using the ▲/▼ buttons and press OK. You may also use "Direct Button entry" using the "Numeric Buttons"..

To return to DTV mode use the DTV/RADIO button again.

Fig 36

15. Trouble shooting guide.

Should you experience difficulties operating this product please consult the guide below before calling the Customer Help Line.

SYMPTOM	POSSIBLE CAUSE	REMEDY
Dead. No led lit	Power not connected to TV	Check power lead and mains supply connections
No Picture. Led lit Red	TV in standby.	Press Power button on TV or Standby button on remote control.
No picture. Dark screen Led lit Green	Backlight faulty	Call customer help line.
No picture. Blue screen. No signal displayed	Incorrect input setting	Ensure the input selected has an input connected to it and is turned on.
	Aerial not connected	Ensure aerial is connected
	TV not tuned in	Follow instructions on page 13/14
TV Picture noisy and ghosting (Analog)	Poor aerial signal	Have aerial signal checked. If indoor aerial it may need an outdoor aerial.
TV Picture freezing and breaking up (Digital).	Poor aerial signal	Have aerial signal checked. If indoor aerial it may need an outdoor aerial.
Teletext freezing or breaking up	Poor aerial signal	Have aerial signal checked. If indoor aerial it may need an outdoor aerial.
Digital Signals missing	Poor aerial signal	Have aerial signal checked. If indoor aerial it may need an outdoor aerial.
Bright dots or Dark dots	Pixel damage	This is not uncommon. It is not covered by warranty
	PC OPERATION	
No picture. Blue screen. No signal displayed	No connection from PC to TV.	Check all connections carefully
	PC resolution incorrectly set	Enter Display setup of PC and set resolution to 800x600. Increase in steps until the required resolution is selected
Poor PC Picture	TV not matched to PC	See page 11 and enter setup menu
	REMOTE CONTROL	
No or intermittent operation	Exhausted batteries	Replace batteries every six months or when required

If you are still having difficulty please call the Technical help line. Ring 0845 293 7698 (Normal rates apply).
Opening hours Mon-Fri 8 am – 8pm. Sat 9 am – 4pm. Sun 11am – 4pm "Bank holidays as Sun"
Or try our website :- www.ekey.co.uk (24Hr) Emails should be responded to within 3 - 4 hours should the consumer have difficulty getting through.

16. Wall Mounting

To mount the TV on a wall you need to purchase a VESA Standard (100mm) bracket.

Remove the screws as shown below (Fig 37).

Mount the wall bracket as described by the manufacturer.

Mount the TV to the wall bracket using **4 x 4mm x 10mm set screws.** *(Do NOT use longer screws as the internal parts of the TV may be damaged).*

Akura Ltd accepts no responsibility for damage, caused to or by, incorrect mounting of the wall bracket.

Fig 37

17. Specifications.

ITEM	DESCRIPTION
Power Requirements TV	12V DC @ 4.5 A Max (54W)
Standby Power	<2W
Mains Adaptor	100-240V AC 50/60 Hz 1.3A Output 12V 6A DC
Screen Size	21.5" (54.6cm) diagonal
Case dimensions	533 x 398 x 197 mm inc base
Weight	4.5 Kg's
Mains adaptor weight	0.46 Kg,s inc Mains lead
Screen resolution	1920x 900 pixels
Viewing angle	V 160º H 170º
Colour Systems	PAL, SECAM
Sound Systems	BG, I, DK, L
Audio Output	2W per channel
Tuning	Analog. Band 1, Band 3, UHF Digital UHF
Firmware	SP7050
Inputs	Scart, HDMI, VGA, CVBS, L/R audio. PC Audio. Y,Pb,Pr. S-Video
Outputs	Scart, Headphones.
OSD Language	English.
Audio	Nicam stereo/Mono (Analog)
Wall Mounting	Vesa Standard (100 x 100mm)
Remote Control	Infra Red Default code 0000
Remote Control batteries	2 x "AAA" cells

Technical Specifications are subject to change without notice. Errors and omissions are exempted

Flat Screen
Although the Flat screen is made with high precision technology and 99.9% or more of the pixels are effective, dots may appear. These can be black or bright dots (red, green or blue) and may appear constantly on the Flat screen. This is a structural property of the Flat panel and is not a malfunction.