

10.1 inch digital TV/DVD

Model:W103D



User guide

Astex

Contents

Introduction	3	FM MENU OPERATION	25
Safety is important	3	FM SETTING	25
In the box	3	SOUND	26
Safety information	4	FUNCTION	26
Electrical information	4	DVD	27
<i>Mains supply</i>	4	Brief Introduction to DVD	27
Parts identification	5	Compatible Disc Types	27
Front and side views	5	Disc playback	29
CONNECTING DIAGRAM	6	Pause/playback	29
Remote control	7	Disc playback mode	30
Operating the TV	10	DVD function settings	38
Switching on/off	10	Card reader and usb operation	42
Tuning the TV	10	<i>Troubleshooting</i>	45
Analogue tuning	11	Care and maintenance	46
Basic operation	11	<i>Disposal</i>	46
<i>Source selection</i>	11	<i>Guarantee</i>	46
<i>TV channel selection</i>	12	Specifications	47
<i>Return</i>	12		
<i>Volume</i>	12		
<i>Mute</i>	12		
<i>Ratio</i>	12		
<i>Favourite</i>	12		
<i>Subtitle</i>	12		
<i>Information</i>	13		
<i>Audio</i>	13		
TV 	13		
Menus			
<i>Picture settings</i>	13		
<i>Sound settings</i>	13		
<i>Channel Setup</i>	13		
<i>Programme Edit</i>	14		
DTV Setup	16		
<i>Lock</i>	16		
<i>Function settings</i>	19		
Electronic Programme Guide (DTV mode only)	20		
<i>The list schedule EPG</i>	20		
Teletext (Analogue TV mode only)	21		
<i>Mix</i>	21		
<i>Cancel</i>	21		
<i>Selecting a page</i>	21		
<i>Subtitle</i>	21		
<i>Reveal information</i>	21		
<i>Fast text</i>	21		
<i>Page hold</i>	21		
<i>Text enlargement</i>	21		
Digital text	22		
Common Interface Slot	23		
<i>AV Setup</i>	24		

Introduction

Thank you for purchasing this TV/DVD.

Please take time to read these instructions and retain for future reference.

Throughout the remainder of this user guide the TV/DVD will be referred to as the 'TV'.

Safety is important

To ensure your safety and the safety of others, please read the Safety precautions **before** you operate this product.

Keep this information in a safe place for future reference.

In the box

You will find the following:

- 10.1" television
- User guide
- Remote control
- Battery
- AV cord
- FM antenna
- Power adapter
- Automotive Power socket adapter

Safety information

Important safety instructions - read carefully before use

Take note of the following safety information which appears on the back of this TV.



Caution! Risk of electric shock do not open. To reduce the risk of electric shock do not remove this cover. No user-removable parts inside. Refer servicing to qualified personnel.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this TV.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this TV.

WARNING

- Do not use this TV near water.
- Do not install or operate near any heat sources such as radiators, stoves, or other apparatus that produce heat.
- Clean only with a slightly damp cloth.
- Do not block any ventilation openings.
- Install in accordance with the supplied Quick start guide and this User guide.
- Protect the power cord from being walked on or pinched, particularly at plugs, and the point where it exits from the TV.
- Do not allow the power cord to overhang the edge of a table.
- Unplug this TV during lightning storms or when unused for long periods of time.
- To avoid interference, switch this TV off while operating other radio devices in the immediate vicinity.
- Refer all servicing to qualified service personnel. Servicing is required when the TV has been damaged in any way.



Warning! To reduce the risk of fire or electrical shock, do not expose this TV to rain or moisture. The TV must not be exposed to dripping and splashing and no objects filled with liquids such as a vase of flowers should be placed on the TV.

- No naked flame sources such as candles should be placed on the TV.



Caution! Changes or modifications not expressly approved by the manufacturer could void the user's warranty.

Caution! Usage of controls or adjustments or performance of procedures other than those specified herein may result in hazardous exposure.

Electrical information

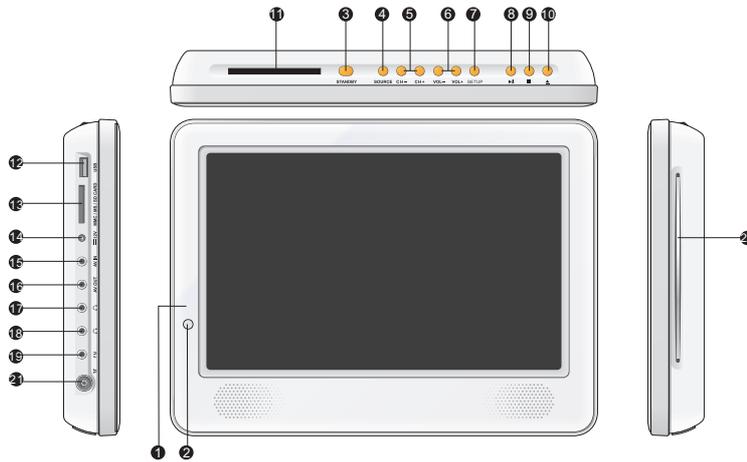
Mains supply

The mains operating voltage is detailed on the rating plate on the rear of the TV.

The power cord on this equipment is supplied with a moulded plug incorporating a fuse. Should the fuse need to be replaced, an ASTA or BSI approved BSI 362 fuse must be used of the same rating. Never use the plug with the fuse cover removed. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. If there is no alternative to cutting off the mains plug, dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

Parts identification

Front and side views



Front panel

- ❶ Indicator (Indicator is red when in standby mode, green when working normally.)
- ❷ IR sensor window

Top panel

- ❸ **STANDBY** (To switch from standby mode to power-on mode)
- ❹ **SOURCE** (Select input source)
- ❺ **CH-/+** (Increase or decrease channel number/to move selected menu item)
- ❻ **VOL-/+** (Increase or decrease volume/characteristics)
- ❼ **SETUP** (Enter or exit setup menu)
- ❽ **▶||** (Play/pause button)
- ❾ **■** (Stop button)
- ❿ **▲** (Eject button)
- ⓫ PCMCIA interface

Left panel

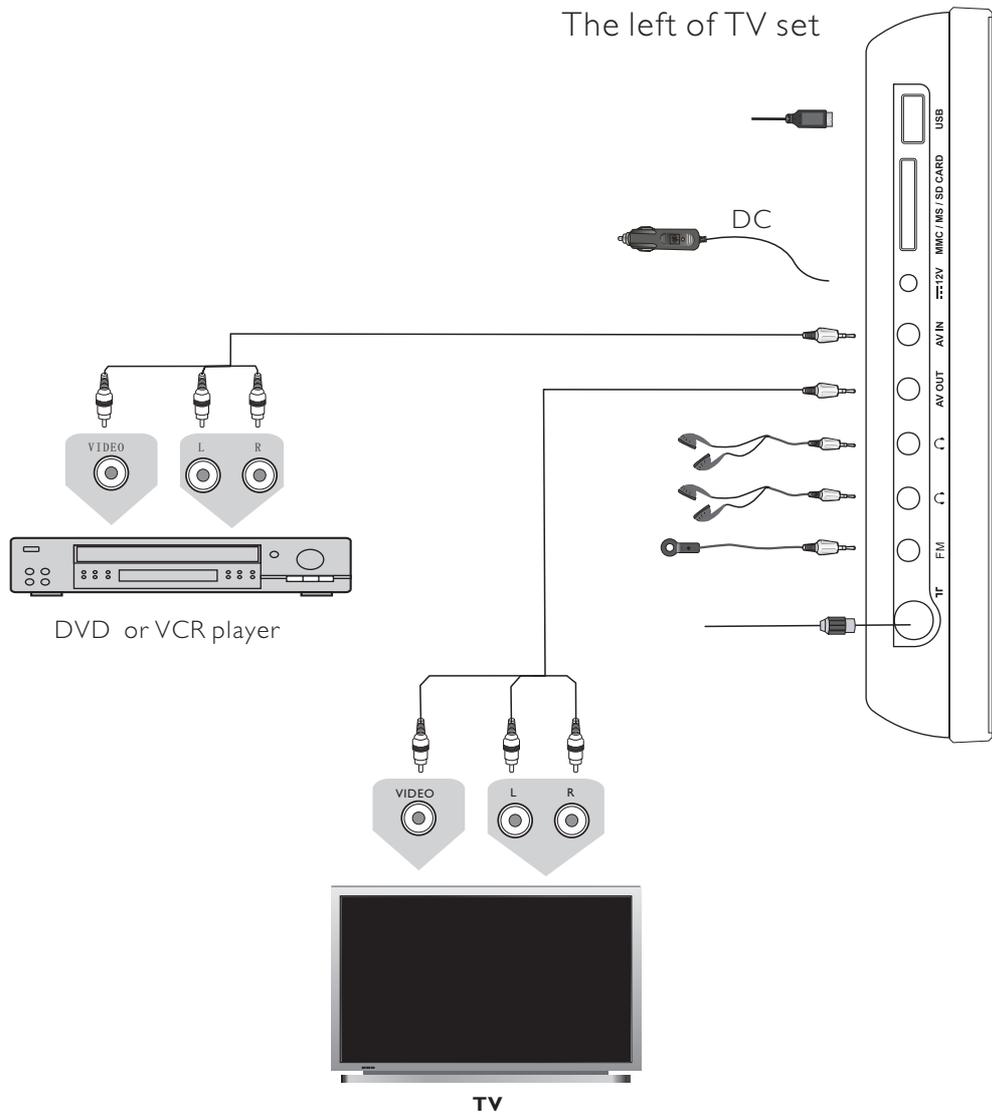
- ❿ USB jack
- ⓬ MEDIA CARD socket
- ⓭ 12-24Volt DC power input socket
- ⓮ AV audio video input jack
- ⓯ AV audio video output jack
- ⓰ Headphone jack
- ⓱ Headphone jack
- ⓲ FM antenna input
- ⓳ RF input terminal

Right panel

- ⓴ Disc in/out door

Parts identification

CONNECTING DIAGRAM



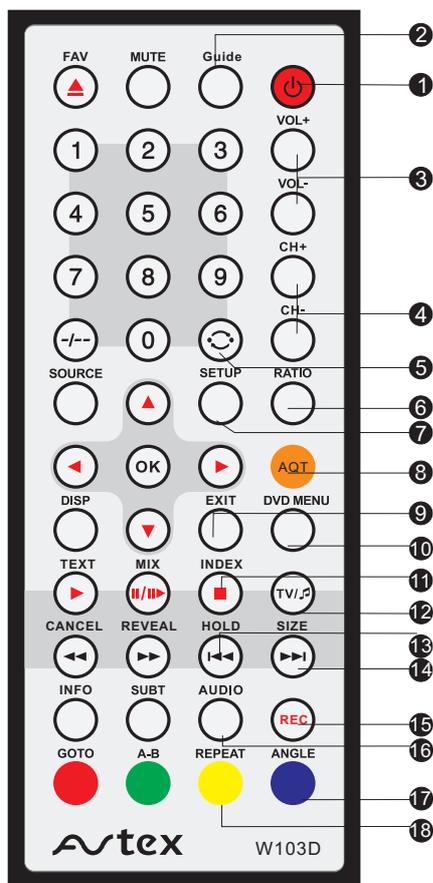
NOTE

You should insert any interconnecting cables BEFORE plugging in the power cord.

Parts identification

Remote control

When using the remote control, aim it towards the remote control sensor on the TV. The function of some buttons will vary depending on the source being used (e.g. analogue TV(ATV), digital TV(DTV)),

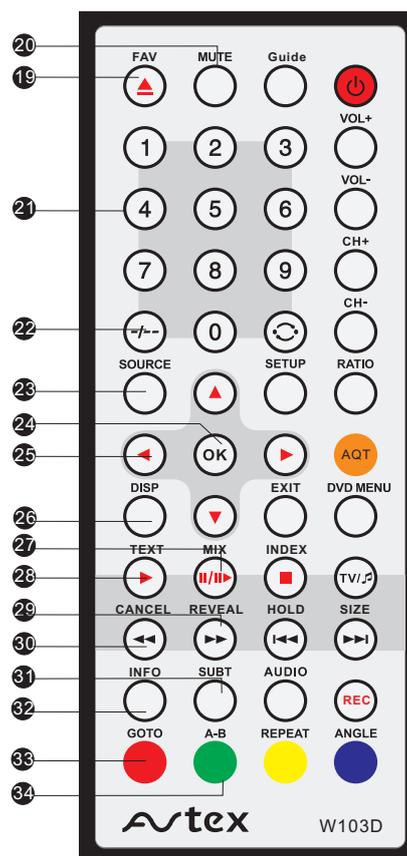


- 1 STANDBY**
Switches the TV to standby.
- 2 Guide**
To display the program guide in DTV.
- 3 VOLUME+/-**
Increases and decreases volume level.
- 4 CHANNEL+/-**
Changes the TV channel.
- 5 RETURN**
Returns back to previous programme .
- 6 RATIO**
To switch aspect ratio mode.
- 7 SETUP**
To display system menu.
- 8 AQT**
Press and hold (more than 3 seconds) the button to start auto scan in ATV/DTV.
- 9 EXIT**
Exits out of a menu.
- 10 DVD MENU**
Display DVD menu or open/close PBC;
- 11 INDEX/STOP**
To display main content page when display the teletext in ATV; To stop playing or recording.
- 12 TV/RADIO**
Switches between TV and Radio mode in DTV.
- 13 HOLD/⏮**
To hold teletext on current page in ATV;
To select the previous chapter or track .
- 14 SIZE/⏭**
To magnify teletext page;
To select the next chapter or track .
- 15 REC**
To start recording digital TV program; To hide recording Dialog.
- 16 AUDIO**
To change sound track in DTV/ATV/DVD.
- 17 ANGLE**
Change camera angle in DVD;
Display recording list in DTV mode when USB is being used.
- 18 REPEAT**
To repeat playback in DVD.

Parts identification

Remote control

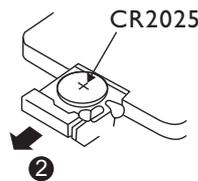
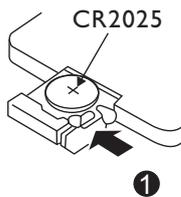
- 19 EJECT/FAV**
Disc in/out in DVD; To display Favourite list in DTV/ATV.
- 20 MUTE**
Mutes the sound.
- 21 Number buttons**
To select program number.
- 22 TWO-DIGIT button**
Digit selector in TV modes.
- 23 SOURCE**
Input source selector.
- 24 OK button**
Confirms a selection.
- 25 ▲▼◀▶**
Adjusts selected item in the menu.
- 26 DISP**
Display information.
- 27 MIX/|||▶**
To display TV image and teletext simultaneously; To operate Time shift function in DTV; To play normally or pause playing in DVD, USB and card reader.
- 28 TEXT/▶**
To enter or exit from teletext in DTV/ATV; To play normally.
- 29 REVEAL/▶▶**
To display the hidden teletext information in ATV; Fast forwards in playback.
- 30 CANCEL/◀◀**
To cancel teletext in ATV; To fast backward in playback.
- 31 SUBT**
Selects the subtitle language in DVD/DTV.
- 32 INFO**
To display the current playing program information in DVD/DTV.
- 33 GOTO**
To play a DVD from a certain time-point.
- 34 A-B**
To segment repeat in DVD;



Remote control

BATTERY INSTALLATION

When installing battery , please match the two polarities of the battery with the two polarities inside the battery case (positive upward, negative downward), as in the following figure:



Step 1: Push the button toward left.

Step 2: Pull the battery holder out.

Step3: Insert one 3VOL LITHIUM BATTERY matching the -/+ polarities of the battery to the -/+ marks inside the battery compartment, as in the diagram.

BATTERY LIFE

- Generally speaking, the battery can be used for one year. But the detailed battery life and usage times are related to the remote control operation.
- If the remote control is still not operating when near to the unit, please replace the battery.
- Please use CR2025 battery.

NOTES

- Do not use rechargeable battery .
- Do not charge the battery, short-circuit, disassemble, heat or throw it into fire.
- Take care not to fall and beat the remote control, which will damage the remote control or cause function trouble.
- If the battery of remote control will not be used for a long time, please take it out.

CAUTION:

Please put battery in a place children cannot access. If swallowed by accident, please contact your local doctor immediately.

POWER SUPPLY

- Please confirm whether the accessories contain the power adapter.
- Please make sure to use power adapter within the specification range, otherwise it will cause damage.
- Use the car adapter in the accessories, connect one end to the socket in your car, the other to the DC socket in the TV.

Operating the TV

Switching on /off

Note: Unless otherwise stated, all references to buttons refer to the remote control.

Press the **Standby** button on the remote control. The standby indicator will change to green.

To switch the TV to standby press the **Standby** button on the remote control. The standby indicator will change to red.

To save energy do not leave the TV in standby mode for long periods such as overnight. Unplugging the TV please.

Tuning the TV

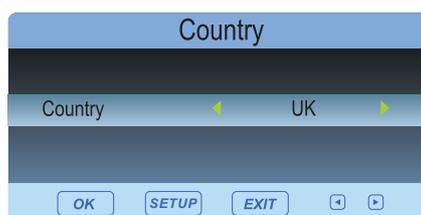
When the TV is switched On for the first time, the following screen will appear, press the **▲▼◀▶** buttons to select your On Screen Display (OSD) language. Select Auto Search and press the **OK** button.

Note: You will not be able to select the country mode.



Note: You must complete the digital tuning process even if you only want to view analogue channels.

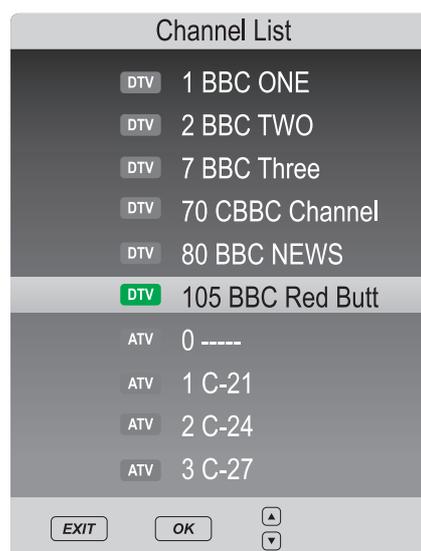
When this screen appears press the **◀** or **▶** buttons to select the country and press the **OK** button to confirm the selection. The auto tune will start and must not be interrupted once started.



When this screen appears, wait for the TV to tune your digital channels. This may take a few minutes.



Once the Auto Search is completed, the TV will display the first available digital channel. All other available digital channels will be displayed in the Channel List by pressing the **OK** button. For more information, please refer to other sections of the User guide.



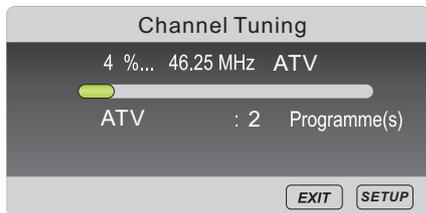
Operating the TV

To retune the TV at any time, press and hold the **Auto tune** button(AQT). Select the country you require and press **OK**. The auto tune will start.

Analogue tuning

To tune analogue channels, select the analogue source as described on this page.

Press and hold the **Tune** button(AQT).The auto tune will start.



Once the Auto Search is completed, the TV will display the first available analogue channel.

Basic operation

Source selection

Press the **Source** button to display the source menu. The following sources are available:



Use the **▲▼** buttons to scroll between inputs and press **OK** to select the source.

Press the **Exit** button to exit the display.

Operating the TV

TV channel selection

Press the **CH[^]/CH^v** buttons or use the **Numeric** buttons on the remote control to select a channel you require.

Analogue TV only:

If the channel is higher than nine, press the **-/--** button twice and -- will be displayed. Press the **Numeric** buttons to select the channel you require.

Return

Press the  button to swap between the channel you are watching and the previously selected channel i.e. If you were watching channel 1 and change to channel 3, press the  button to return to channel 1.

Press the  button again to return to channel 3.

Volume

Press the **V+/-** buttons to increase or decrease the volume. The volume level will be displayed at the bottom of the screen.

Mute

Press the  button to mute the sound. Mute will appear at the bottom left hand side of the screen.

Press the  button again or the **V+** button to restore the sound. Mute will disappear from the screen.

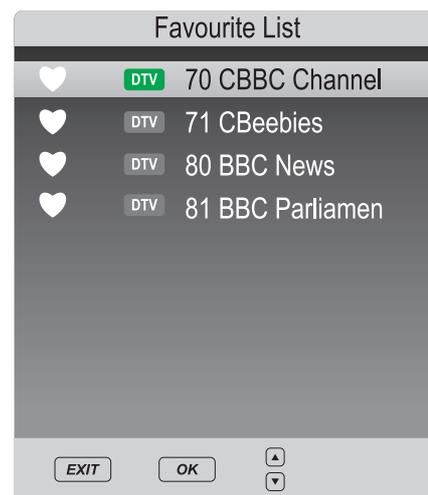
Ratio

Press the **Ratio** button to choose from one of the following aspect ratio. The aspect ratio is displayed at the bottom of the screen:

- Auto
- 16:9
- 14:9
- 4:3

Favourite

You can enter the Favourite menu while watching a channel by pressing the **Fav** button. The following menu will appear on the screen:

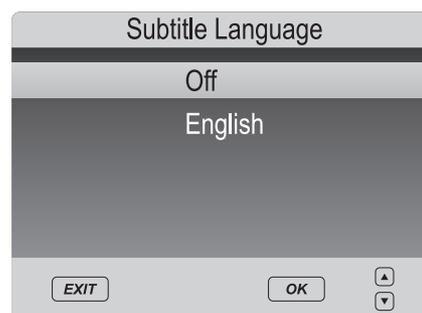


To add a channel to the Favourite List, press the **SETUP** button and scroll down to the Channel Setup. Press the **▶** button to access the menu. Press the **▼** button to select Channel Edit then press **OK**.

In the Channel Edit menu is a list of all available channels. Select the channel that you want to add to the Favourite List. Press the **Fav** button to add the selected channel. A heart will appear next to the selected channel. Press the **Exit** button to exit the menu.

Subtitle

If a channel has subtitles available, you can select the subtitles by pressing the **Subt** button. Select the required language using the **▲▼** buttons then press **OK**.



Operating the TV

Information

You can view the programme information for the channel you are watching by pressing the **Info** button. The following menu is a typical example of the programme details that will be displayed.



You can view the information for the next programme by pressing the **▶** button.

Audio

- In Analogue mode press the **Audio** button to switch from Mono and Stereo sound.
- In Digital mode press the **Audio** button to change the audio language and sound track. The following menu will be displayed.



- Select the required audio language using the **▲▼** buttons then press **OK**.

TV/🎵

Press the **TV/🎵** button to switch between Digital TV and Digital radio modes.

Menus

The setup menus allow you to adjust and control the TV.

1. To access the on screen menus, press the **SETUP** button.
2. Press the **▲▼◀▶** buttons to navigate around the menu screens and available options.
3. To exit the setup menu press the **Exit** or **SETUP** button.

Picture settings

This menu gives the options for adjusting the appearance of the TV picture. The following options are available:

Picture Mode – Allows you to select preset levels of contrast, brightness and colour. You can choose from the following settings:

- User
- Standard
- Dynamic
- Mild

Brightness – Allows you to increase or decrease the brightness of the picture.

Contrast – Allows you to increase or decrease the contrast of the picture.

Color – Allows you to increase or decrease the saturation of the picture.

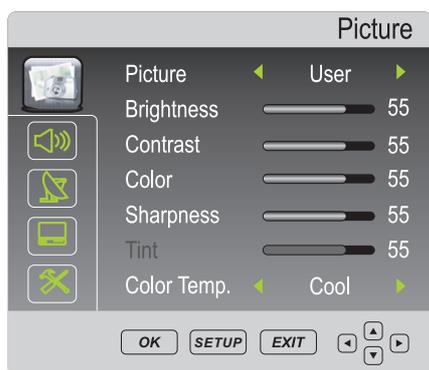
Sharpness – Allows you to increase or decrease the sharpness of the picture.

Tint – Allows you to increase or decrease the level of tint of the picture (only NTSC signal)

Operating the TV

Colour Temperature – Allows you to change the colour tones of the screen. You can choose from the following settings:

- Medium
- Warm
- Cool



Sound settings

This menu gives you the options for adjusting the TV sound. The following options are available:

Sound Mode – Allows you to select preset levels of bass and treble. You can choose from the following settings:

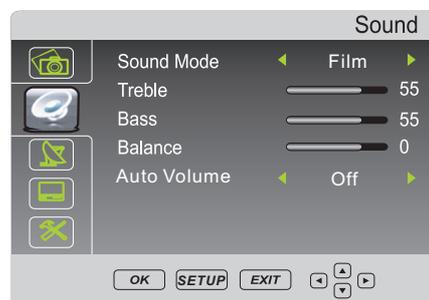
- User
- Standard
- Music
- Film
- Sports

Treble – Allows you to adjust the treble level.

Bass – Allows you to adjust the bass level.

Balance – Allows you adjust the audio output between the left speaker and the right speaker.

Auto Volume – Allows you to open and close auto volume adjustment



Channel Setup

This menu allows you to adjust the channels and the channel settings.

Channel – Allows you to select the channel you want to adjust.

Frequency – Not able to be adjusted.

Country – Not able to be adjusted.

Manual Search – Allows you to manually search and tune the TV.

Fine Tuning (Analogue mode only) – Allows you to adjust the channel frequency accurately.

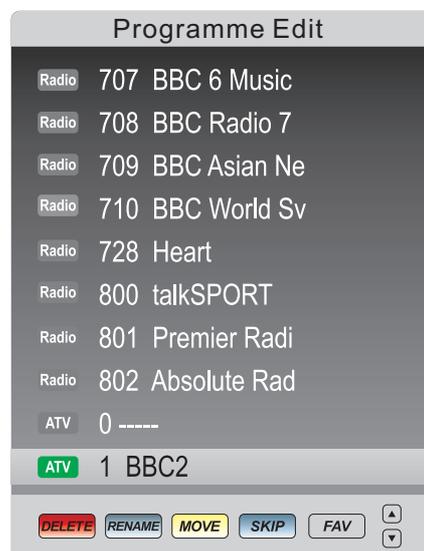
Sound System (Analogue mode only) – Allows you to select the TV sound system. You can choose between:

- DK - for eastern European countries/regions
- I - for the United Kingdom
- BG - for western European countries/regions
- L - for France

Operating the TV

Auto Search – Allows you to automatically search for channels.

Channel Edit – Allows you to delete, skip and add channels to the Favourite list ;Allows you to rename and move channels .



Programme Edit

Programme Edit (Analogue TV mode only)

Press the ▲▼ buttons to select a channel. You can do the following to an Analogue channel using the Coloured buttons:

Red – Press the **Red** button to delete a channel. Use the ▲▼ buttons to select the channel to be deleted. Press the **OK** button to delete the selected channel.

Green – Press the **Green** button to select the channel to be renamed. Use the ▲▼◀▶ buttons to rename the highlighted channel.

Yellow – Press the **Yellow** button to select the channel to be moved. Use the ▲▼ buttons to move the highlighted channel to the required place then press the **SETUP** button to place the channel.

Cyan – Navigate to the channel you want to skip then press the **Cyan** button. You will no longer be able to view this channel in normal viewing mode.

Programme Edit

Press the ▲▼ buttons to select a channel. You can do the following to a Digital channel using the Coloured buttons:

Red – Press the **Red** button to delete a channel. Use the ▲▼ buttons to select the channel to be deleted. Press the **OK** button to delete the selected channel.

Cyan – Navigate to the channel you want to skip then press the **Cyan** button. You will no longer be able to view this channel in normal viewing mode.



Operating the TV

DTV Setup

This menu allows you to change the general settings for digital TV. The following options are available:

Lock – Allows you to prevent access to certain features of the TV.

Note: The default password is 0000.

Audio Language – Allows you to set primary and secondary audio languages.

Subtitle Language – Allows you to set the subtitle language.

Time – Allows you to change the time zone.

CI Information – Allows you to access the Common Interface Card and its status.



Antenna Power – Allows you to turn on/off the antenna power.

PVR File System – Allows you to setup record file system

Lock

Allows you to prevent access to certain features of the TV. When the system Lock is ON, the password must be entered to make changes to the locked features.

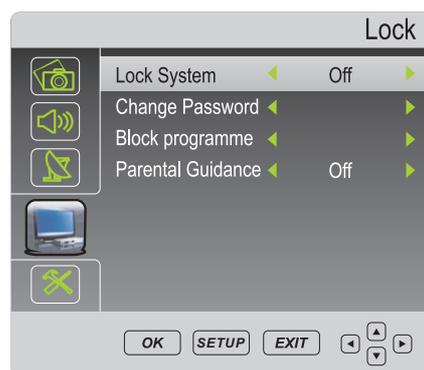
Lock System – Allows you to lock the system.

Block Programme – Allows you to block certain programmes and channels.

Parental Guidance – Allows you to restrict programmes to suit the viewer age. Only programmes suitable for the selected age will be accessible. Select the age of the viewer from the following options:

- Off
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

Note: This feature may not be supported by all broadcasters.



Change Password – Allows you to change the password:

Note: The default password is 0000.

1. Enter the new password.
2. Re-enter the new password to confirm it. The password is now changed.



Operating the TV

Operating the TV.

Recording to a memory device.

When inserting a memory device for the first time you may receive a message FORMAT VERSION CHANGED. Before recording can take place the inserted USB or HDD needs to be formatted.

To format your memory device and create a PVR file, press the setup key on the remote whilst in DTV mode. Scroll down through the menu using the **▼▲** keys to DTV SETUP.

Press **▶** key to access the menu options and using the **▼▲** key select the PVR FILE SYSTEM and press **OK**.

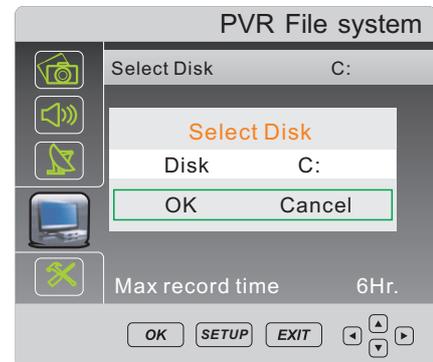
Using the **▼▲** keys to navigate through the PVR FILE SYSTEM menu options, select CHECK THE PVR FILE SYSTEM and then FORMAT part or all of the USB/HDD.

Once this procedure is complete, the PVR function on the TV will allow you to record content to a USB or HDD. This can be done using the instant record button on the remote or by scheduling a recording in the program Guide.

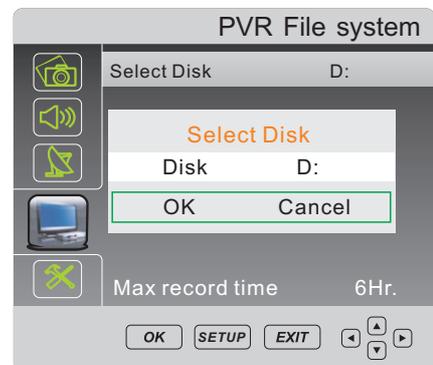
I. PVR FILE SYSTEM MENU



- Select Disk will select the destination disk for recording DTV program.
- Check PVR File system.
- Format will format the disk ready for recording.
- Max record time will limit the max record time.
- After recording, press blue color button to display files information. Pressing **info** button to display details.

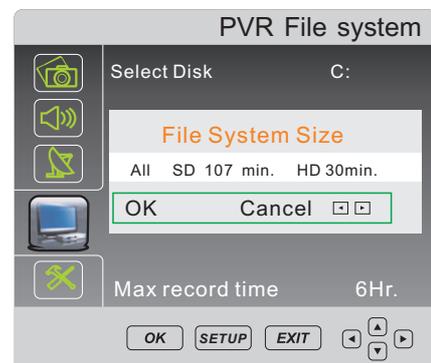


Plug in USB disk or HDD. Then enter SELECT DISK.



If using a USB device, default disk name is DISK C:
If using a HDD, and HDD has two or more partitions, the system allows you to select C:/D: disk and so on by pressing **◀▶**.
Select **OK** to continue.
Select **Cancel** to exit.

2. CHECK PVR File System



Allows you select USB disk or HDD size for recording.

Pressing **◀▶** to change.

System will show max recording time for SD and HD signal.

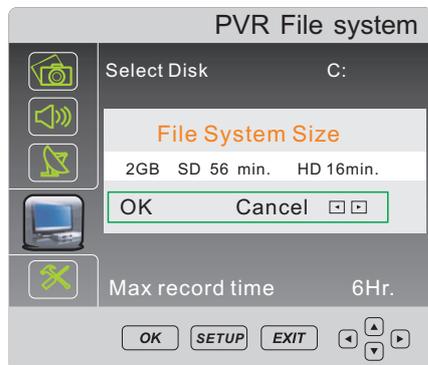
You can't select file 's definition for recording.

It's determined by the input signal.

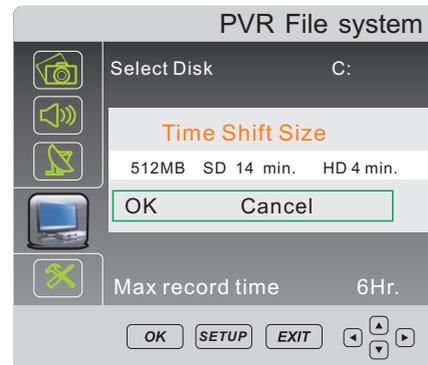
Select **OK** to continue.

Select **Cancel** to exit.

Operating the TV



Allows you set size for recording.
For example, if USB disk is 4G. System allows you select 1G/2G/3G/all by pressing ◀▶
Select OK to continue.
Select Cancel to exit..

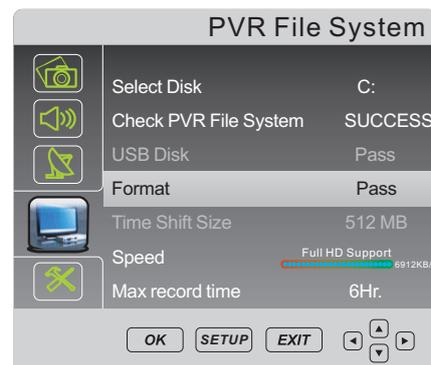


Allows you set Time Shift size. Pressing ◀▶ to select size.
For example, if USB disk is 4G. System allows you select 512MB/1G/2G/3G.
System will show max shifting time for SD and HD signal.
Select OK to continue.
Select Cancel to exit.

3.FORMATting



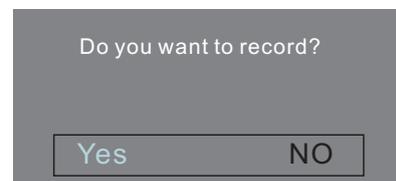
Select OK to continue.
Select Cancel to exit..



If formatting is successful, the menu above will be display.
System will exit this menu in 5 seconds automatically.



Formatting . Don't unplug USB device during this process.



After formatted, press **REC** button to start recording.
Select YES to continue.
After recording, press **Cyan** button to view info.

Warning:

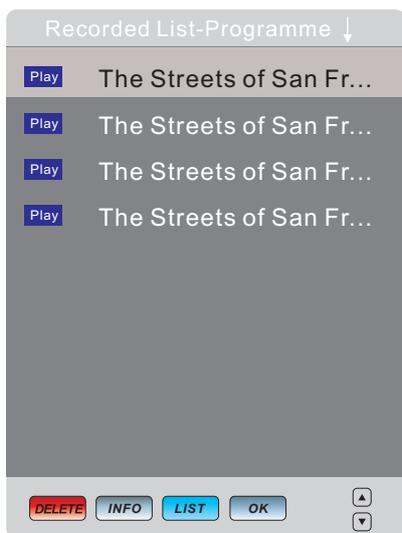
Please make sure your USB or hard disk has at least 500RM free space and then create PVR file system before you record DTV program.

If it is the first time being used, the system will format your USB disk and HDD.

Operating the TV



You can stop recording by pressing **■** button.
Recordings under 20seconds cannot be played back in USB mode.
File can't be played back in DVD source.



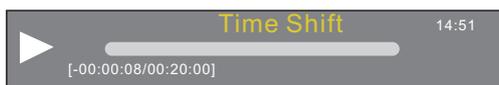
You can list all recorded files by pressing **Cyan** button



You can playback files in recorded list.
By pressing **▶** or **OK** to playback.
By pressing **■** to stop.



Press the **Mix** button to enter Time shift recording mode.



Press the **▶** button to enter time shift playback mode.
Press **■** button to exit.

Function settings

This menu allows you to change the following functions:

OSD Language – Allows you to change the on screen display language.

Aspect Ratio – Allows you to change the aspect ratio. The following options are available:

- Auto
- 16:9
- 14:9
- 4:3

Noise Reduction – Allows you to reduce/alter the noise of the images. The following options are available:

- Low
- Mid
- High
- Off

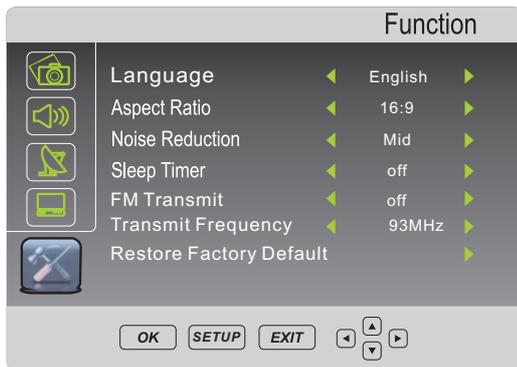
Sleep Timer – Allows you to set the sleep timer. The sleep timer allows you to turn the TV off after a pre-set amount of time. Press the **◀▶** buttons to select the required time and press the **OK** button to select. The following options are available:

- Off
- 10min
- 20min
- 30min
- 60min
- 90min
- 120min
- 180min
- 240min

Operating the TV

FM Transmit-Allows you to transmit audio by FM frequency

Restore Factory Default – Allows you to reset all TV settings back to the default settings.



Electronic Programme Guide (DTV mode only)

The Electronic Programme Guide displays information about current and future programmes for the highlighted channel. Press the **Guide** button to display the Electronic Programme Guide. The following menu will be displayed.



Use the **▲▼◀▶** buttons to navigate through the available channels and programmes.

Press the **▶** button to step to the next programme.

Press the **◀** button to return to the current programme.

Press the **OK** button to watch the currently selected programme (only the first programme on each channel can be selected to watch as the other programmes have not yet started).

Press the **Guide** or **Exit** button to exit the EPG.

EPG scroll and use the coloured buttons to navigate

EPG scroll displays information about programmes for the next eight days. The following menu will be displayed:



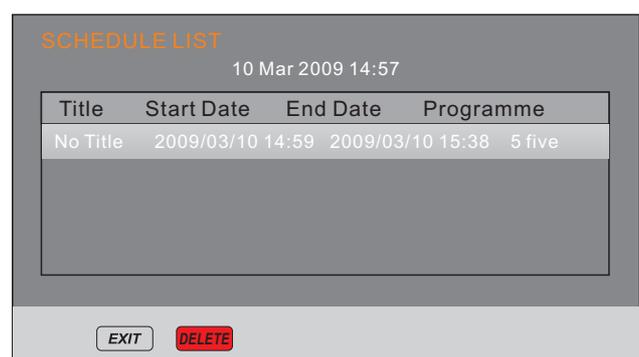
To select programmes for a different day press the **Yellow** button to highlight the date then use the **◀▶** buttons to navigate through the dates.

You can view information about any programme by pressing the **Info** button.

Allows you setup programmes reminder by pressing **Cyan** button



After finished setup, press **OK** to confirm. Press green button to display schedule list. You can delete schedule here.



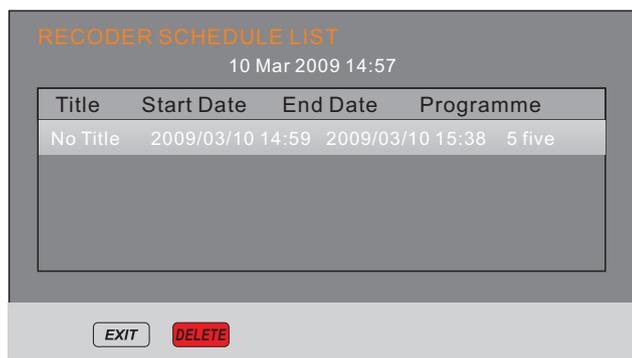
Operating the TV

In EPG main menu, allows you setup timer recording by press **REC** button.



After finished setup, press **OK** to confirm.

Recorder schedule list will display as below
You can delete schedule here.



Press the **Guide** or **Exit** buttons to exit the EPG.

Operating the TV

Teletext (Analogue TV mode only)

Teletext is an information system that displays text on the TV screen. Using the teletext control buttons you can view the pages of information that are listed in the teletext index.

Note: No on screen menus can be displayed in text mode. The colour, contrast and brightness cannot be changed but the volume can still be adjusted.

Note: Make sure that the TV channel you are watching transmits teletext and has a good signal.

Press the **Text** button to enter text mode. The text page, normally the index page, will be displayed.

Press the **Text** button again to exit text mode. The screen will return to the channel you were viewing.

Mix

Press the **Mix** button to enter mix mode. The text page will display with the picture behind it.

Cancel

Press the **Cancel** button to view the programme you are watching without any text in the background.

Selecting a page

1. To select a page in text mode, find the page number you require on the Index page and enter the page number using the **Numeric** buttons. The number will appear in the top left hand corner of the screen. A page search will begin. Once the page is found, it will be displayed.
2. To return to the Index page, press the **Index** button.

Subtitle

1. To display subtitles while watching a TV programme, press the **Text** button and go to page 888. The picture will be displayed and provided the programme is broadcast with subtitles, these will appear at the bottom of the screen.
2. Press the **Text** button to exit text mode.

Reveal information

1. Press the **Reveal** button to reveal concealed information (quiz answers etc.).
2. Press the **Reveal** button again to conceal the information.

Fast text

At the bottom of the teletext screen are subject headings in red, green, yellow and cyan.

1. Press the Coloured (**Red, Green, Yellow** and **Cyan**) buttons on the remote control to access these pages.
2. Press the **Index** button to return to the Index page.

Page hold

When in text mode and you are viewing a text page with sub pages, these will automatically be displayed in order with a delay to allow you to read the page.

1. Press the **Hold** button to stop the next subpage being displayed. The hold symbol will appear in the top left hand corner of the screen.
2. Press the **Hold** button again to continue moving through the sub-pages.

Text enlargement

1. Press the **Size** button to enlarge the text shown on the text mode screen. Once selected, half a page will be displayed at a time.
2. Press the **Size** button again to view second half of the page.
3. Press the **Size** button a third time to return to normal text mode.

Operating the TV

Digital text

Freeview digital text is an information system that displays text on your TV screen.

Note: No on screen menus can be displayed in text mode. The colour, contrast and brightness cannot be altered but the volume can be changed.

Note: Make sure the TV channel you are watching transmits digital text.

Follow the on screen commands. The following menu is an example of the BBC digital text service.

1. Press the **Text** button to select digital text.
2. To select the page you require, press the **▲▼** buttons and press the **OK** button to select. Alternatively you can enter the page number using the **Numeric** buttons. Press the **OK** button to view the page.
3. Press the **▲▼◀▶** buttons to navigate the digital text menus.
4. Use the **Red, Green, Yellow** and **Cyan** buttons to access the subject shortcuts.
5. To exit digital text press the **Exit** or **Text** button.



Operating the TV

Common Interface Slot

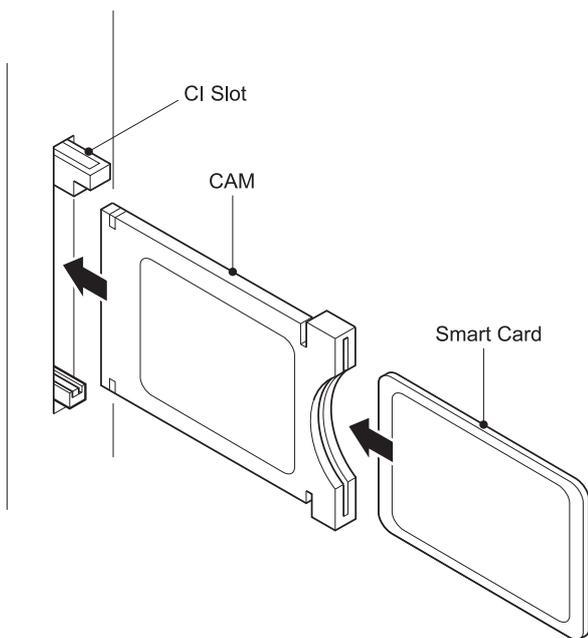
The Common Interface (CI) slot is designed to accept the Conditional Access Module (CAM) and Smart card in order to view the pay TV programmes and additional services. Contact your Pay per View TV provider to get more information about the modules and subscription.

Note: Conditional Access Modules and Smart cards are sold separately.



Warning! Switch off your TV before any modules are inserted in the CI slot.

The CI slot is located on the rear of your TV. Insert the CAM correctly into the CI slot, then add the Smart card to the CAM.



1. Turn on the TV and make sure 'Digital' is selected as the source.
2. If the CAM is detected the TV will display the following message on the screen:

Common Interface Module Inserted

Wait for a few moments until the card is activated.

3. Select the relevant digital channel (e.g. channel 38 for 'Top Up TV' broadcast).
4. Detailed information on the Smart card in use is displayed.
5. Press the **OK** button to access the card menu. Refer to the module instruction manual for setting details.
6. When the module is removed, the following message will appear on the screen:

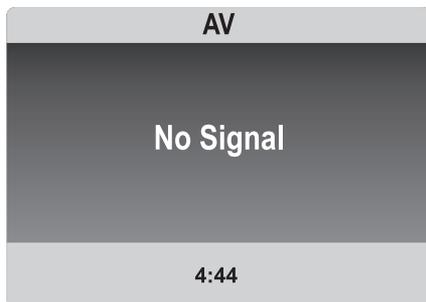
Common Interface Module Removed

Operating the TV

AV Setup

The menu setup of AV modes is similar to the TV mode setup, except that Channel Setup is not available.

If there is no signal input when the TV is in AV mode, the following screen will be displayed:



If a signal input is not detected within 5 minutes, the TV will go into Standby mode.

FM MENU OPERATION

FM SETTING

Connect FM antenna with FM terminal on the left side of analog TV, change source to FM. Press **SETUP** button and a menu will show as follows:



- Channel preset enables you to display current channel number, press ◀/▶ button to change channel.
- Frequency item enables to adjust it and press **OK** button to save the new frequency of the channel.
- Manual Tuning enables you to decrease frequency and press **SAVE** button to increase frequency. When a program is found, manual search will stop, press **OK** button to save the new channel.
- Auto Tuning item enables you to search and store all the channels in FM band 87.5-108MHz. Move the cursor to auto search, then press ◀ or ▶ button to begin auto search. Press **SETUP** button to cancel auto search.

NOTES

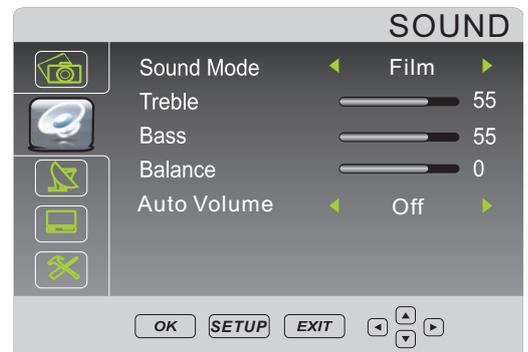
- Up to 40 programs can be preset/stored, and you can select them in 2 ways:
Method 1:
For programs 1,2,3 and 4, press the "1"."2"."3" and "4" button and wait for 3 seconds to access to them. For programs 5~40, press the number buttons to access to them directly.
Method 2:
Press **CH-** button to decrease channel and press **CH+** button to increase channel.
- During scanning, you can press **SETUP** button to stop it.
- If without any operation in 5 minute, the panel will turn off automatically. In saving power mode, any operation can turn on the panel.

FM MENU OPERATION

SOUND

Select SOUND item to adjust sound parameters. You may adjust Sound Mode, Treble, Bass, Balance, Auto Volume and Surround Sound.

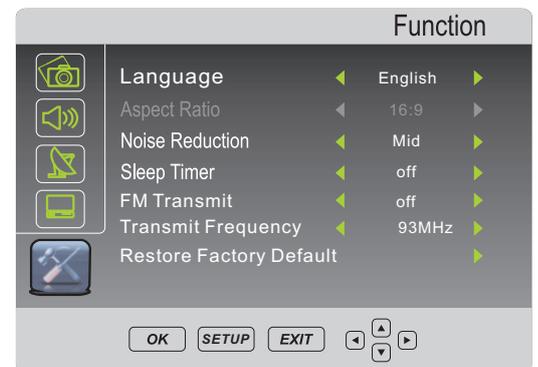
- Sound Mode item can be changed between User, Sports, Music, Film.
- Auto volume- Allows you open or close auto volume adjustment



FUNCTION

Select FUNCTION item to adjust function parameters. You may select Language, Sleep Timer, FM transmit and Restore factory default Noise reduction

- Language item enables to select the OSD language.
- Sleep Timer item enables to set the sleep timer (Off, 10min, 20min, 30min, 60min, 120min, 180min and 240min).
- FM transmit- Allows you transmit audio by FM frequency
- Restore factory default- Allows you to reset all TV settings back to the default settings.



DVD Operation

Brief Introduction to DVD

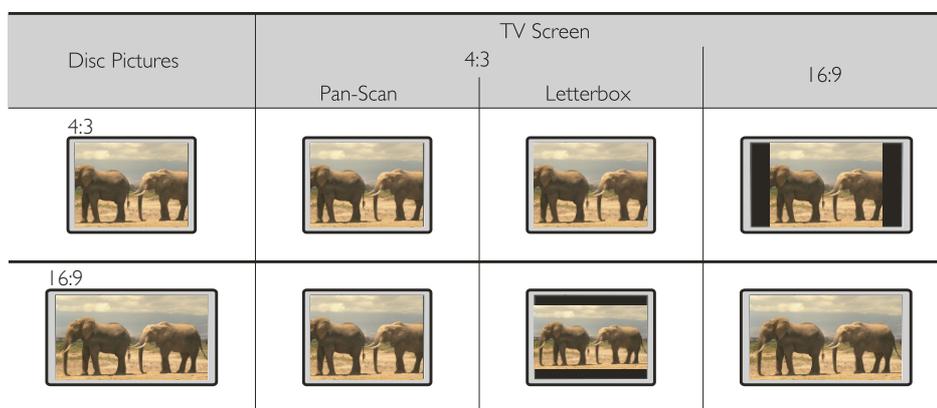
DVD is well known for its extraordinarily large capacity and outstanding audio-video effects. Its capacity is as high as 4.7-17 GB (approximately 7 -26 times the CD capacity).With 500-line horizontal resolution of picture , it brings a new era to household AV products.

Comparison Between DVD and Other Discs

	DVD				LD	Super VCD	VCD	CD	CDROM
Recording Method	Digital/MPEG2				Analog	Digital/MPEG2	Digital/MPEG1	Digital	Digital
Capacity	Single-sided 1 layer 4.7G	Single-sided 2 layers 8.5G	Double-sided 1 layer 9.4G	Double-sided 2 layers 17G		650MB	650MB	650MB	650MB
Playback time	133min.	242min.	266min.	484min.	1 side 60min. 2 sides 120min.	45min.	74min.	74min.	
Disc Diameter	12cm				30cm/20cm	12cm	12cm	12cm	12cm
Horizontal Resolution	500 lines or more				430 lines or more	350 lines or more	250 lines or more		
Aspect Ratio	Multiple				One				
Subtitle	32 types				Max. 16 types				
Audio	Dolby Digital				Linear PCM FM modulation			Linear PCM	
Sound Quality	48kHz,96kHz/16,20,24bit				44.1kHz/16bit		44.1kHz	44.1kHz/16bit	

Additional features

- Many languages supported
DVD disc may support up to 8 dubbed languages and 32 different languages of subtitles
- Many camera angles.
Some scenes may be shot from 9 different camera angles.
- Quick search of required chapters
The user may search for any moment of the film by time-code or by selecting chapters(sections comprising the disc).
- Zooming
The user may zoom the image according to the TV screen geometry.



NOTE

- Not all DVD disc support Pan & Scan mode. The movie will be displayed correctly on 4:3 TV (without black lines) provided that the DVD disc is recorded accordingly. Never theless, even in Pan & Scan mode some data loss will take place.

DVD Operation

Compatible Disc Types

Types	Sizes	Recorded Contents
	12cm	CD-DA: Digital audio
	12cm	VIDEO CD : Compressed digital audio+compressed digital video (dynamic picture)
SVCD	12cm	SVCD: Compressed digital audio+compressed digital video (dynamic picture)
	12cm	DVD: Compressed digital audio+compressed digital video (dynamic picture)

NOTES

- Issues related to



These icons on the top banner indicate the disc types that the function described in this section applies to.



Applies to DVD disc



Applies to VCD disc



Applies to SVCD disc



Applies to CD disc



Applies to MPEG4 disc

- This model does not support the 8cm disc. Do not insert this type of disc into the device to prevent disc jam.

Disc playback mode

Disc playback



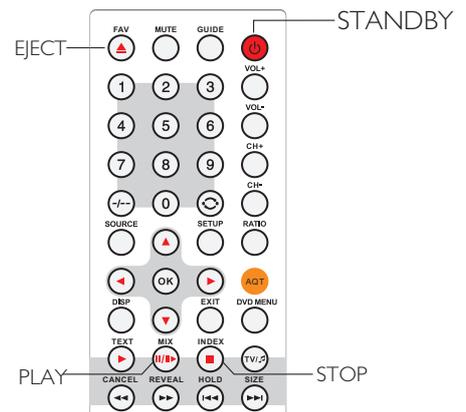
1. Press the button to turn on the device.
2. Press the button.
The disc tray will be ejected. Load a disc with the label side facing up forward.
3. Press the button again to retract the disc tray.
4. Depending on the disc format, the playback may start immediately or you will be prompted to choose a file and press the .

A menu will pop up on the TV screen when you play a DVD disc. When you play a SVCD or VCD2.0 disc a special menu will appear on the TV screen and the device will be switched to PBC mode. When you play CD, HDCD or VCD1.1 discs the tracks will be played according to the play list.

5. Press the button to stop the playback.
6. Press the button to eject the disc.
7. Press the button to switch the player into standby mode.

NOTES

- Unplug the device from the wall outlet if you are not going to use it for a long time.
- When you play a DVD-disc press the button twice to completely stop the playback.



Color system selection



Press the SETUP button. Choose the image settings menu

Choose the device color system according to the TV color system.

1. If you use a PAL TV set, set the Image/TV-system to PAL mode.
2. If you use a NTSC TV set, set the Image/TV-system to NTSC mode.
3. Set the Image/TV-system to auto mode to choose the system auto selection mode, if you use a multi-system TV.

NOTE

- Some features or entire disc may be displayed incorrectly if you select a wrong color system. We suggest you set the color system of the device into PAL mode.

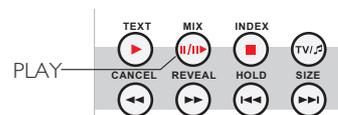
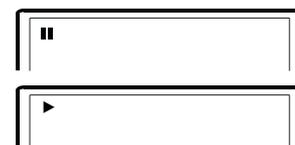
Pause/playback



1. Press the button during the playback to stop the playback.
2. Press the button again to resume the playback.

NOTE

- When you set the screen save mode to ON, the display on TV screen turns to screen saver status after the picture on TV screen keep still for about 2 minutes (in mode such as pause mode, stop mode, menu select, set up menu, no disc mode and so on).



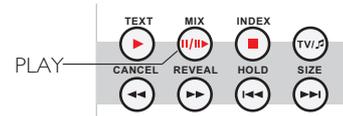
Disc playback mode

Disc playback mode

1. Press the **PLAY** button during the playback to stop the playback.
2. Press the **REVEAL** button to start frame-by-frame playback.
3. Press the **PLAY** button again to resume to the playback.

NOTE

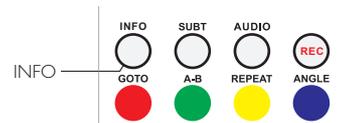
- The frame-by-frame playback function is only valid when playing DVD-disc.



Information



Press the **INFO** button.
The disc information will appear on the TV screen.
DVD disc:



CD, SVCD or VCD disc:

Time_:_:_ Title_Chapter_

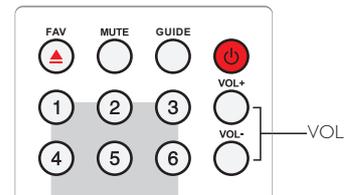
Volume adjusting

Time_:_:_ Track_of_



1. To adjust the volume, press the **VOLUME** button on the TV or amplifier.
2. Press the **VOLUME** button the remote control of the device .

- Press the **VOLUME+** button to increase the sound volume.
- Press the **VOLUME-** button to decrease the sound volume.
- The maximum volume is 100.



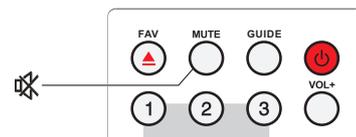
MUTE



1. Mute on. Press the **MUTE** button during playback to turn off the sound.
2. Mute off. Press the **MUTE** button again to turn on the sound.

NOTE

- Press the **MUTE** button if there is no sound at all.



DVD playback menu



Some DVD discs have their own menu.

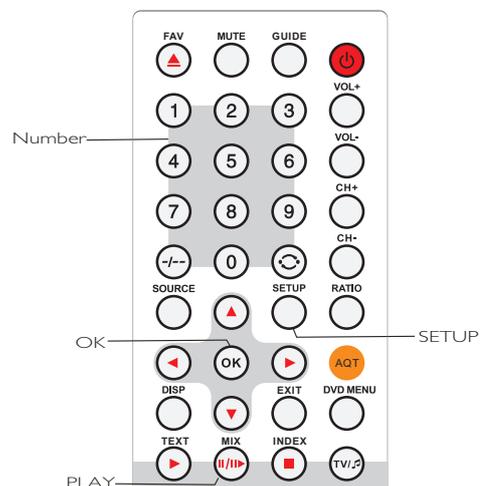
1. Press the **SETUP** button to display the menu on the TV screen. Follow the on-screen hints to select options using numeric buttons.



2. Using the direction buttons select the required track and then press the **PLAY** or **OK** button .

NOTE

- Press the **SETUP** button to return to main menu.
Different disc have different menus.



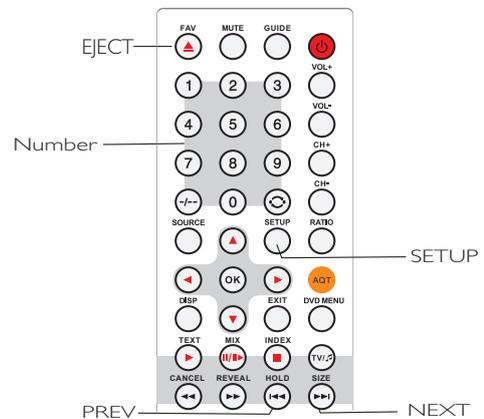
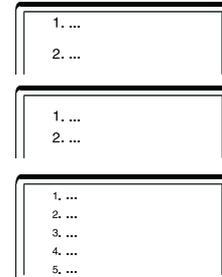
Disc playback mode

PBC function



Use the PBC function for playing SVCD, VCD2.0 discs with PBC function enabled.

1. TV screen main menu:
Press the numeric button for selection.
For example choose the main menu no 1.
TV screen will display:
2. You will see a submenu after entering the main menu no 1.
3. Press the **▶▶** or **◀◀** button to go to required page.
4. Press the numeric button to select the submenu item. For example, press 5 to start playing from track no 5.
5. Press the **SETUP** button to go back to submenu. Press the **SETUP** button again to go back to main menu.
6. Press the **SETUP** button again to turn the PBC function off and start normal playback.



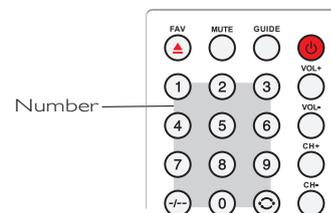
Selecting chapter or track using numeric buttons



1. Load the disc. After the DVD player starts reading press the numeric button to select the chapter or track to play. You may skip between chapters or tracks by pressing the **LEFT** or **RIGHT** cursor buttons.
2. If the chapter/track number is <10, press button 1-9. For instance select track 7: $0 + 7$ **0 7**
3. If the chapter/track number is >10, press button 1-9, then press numeric button 0-9 again. For instance select track 16: $1 + 6$ **1 6**

NOTE

- When you play VCD or VCD2.0 discs this function is available if the PBC mode is turned off.



Disc playback mode

Language/audio channel selection



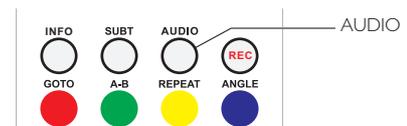
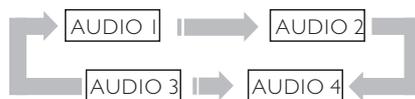
Press the **AUDIO** button.

You may select the desired language if you play a DVD or SVCD disc supporting multiple language.

DVD disc:



SVCD disc:



Some VCD and SVCD discs have a separate audio channel for each dubbed languages.

You may select the audio channel of the preferred language in mono or stereo.

VCD,CD disc:



NOTES

Languages selection depends on the disc recording.

When you play DVD-Video discs, if you press the language switch button, the current track may be played from the Very beginning.

Direct play

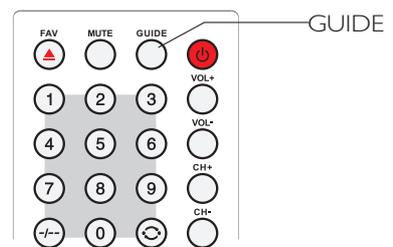


Direct play is a creative function that very helpful for users to enjoy DVD. With direct play function, you can play DVD directly, skipping the legal Warning, advertisements, chapter selection and other thing that come before the movies start. You can enjoy pure movies without bothering.

When the disc is loaded and the legal warning, advertisements, chapter selection message shows, just press **GUIDE** button to activate direct play function and start a pure movies playback.

NOTES

When you are enjoying VCD with PBC function, direct play can disable the PBC and VCD will be played in sequence.



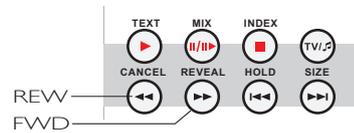
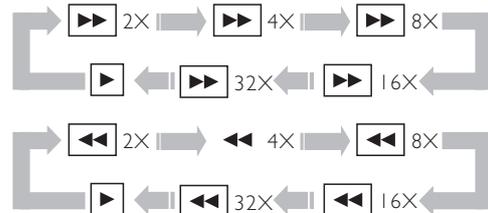
Disc playback mode

Fast playback



You may fast forward or reverse to search for a certain point during playback.

1. Press the **▶▶** button and the receiver will start forward playback. Each time you press the **▶▶** button you switch the playback speed of DVD, SVCD, VCD, MPGE-4, CD discs in the following sequence:
2. Press the **◀◀** button and the receiver will start fast reverse playback. Each time you press the **◀◀** button you switch the playback speed of DVD, SVCD, VCD, MPGE-4, CD discs in the following sequence:



NOTES

The fast forward/reverse playback of some MPGE-4 discs may differ from standart scanning.

Repeat playback



You may repeat a certain chapter, title, track or disc. Each time you press the Repeat button you will see the following information on the TV screen.

DVD disc:

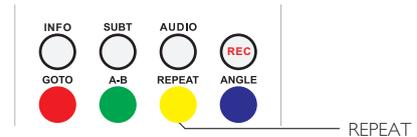


SVCD, VCD or CD disc:



You may use this function on SVCD and VCD2 discs only when the PBC is disabled. For VCD 1.1 and CD disc this function is available in both modes.

WMA and MPEG-4 disc:



Repeat the selected section



1. During normal playback, Press the **A-B** button on the remote control at the desired beginning point (Point A). The following information will be displayed on the TV screen:
2. When playback reaches the desired ending point (point B), press the **A-B** button again. The following information will be displayed on the TV screen:
3. Press the **A-B** button once more to resume normal playback.

NOTES

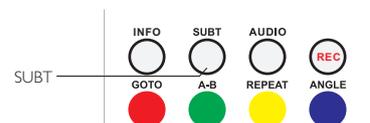
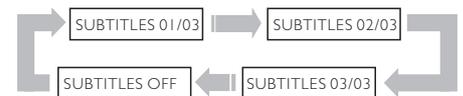
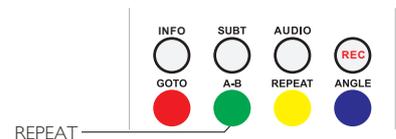
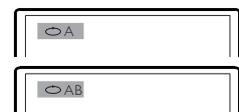
Some disc do not support this function. The section shall be with one track when the PBC mode is enabled.

Selecting subtitles



Press the **SUBT** button. You may select the language of subtitles if your DVD disc has several subtitles in different languages. Each time you press the **SUBT** button you will change the language of the subtitles, as shown on the figure:

You may choose from 32 different languages from your DVD disc, but the number of languages depends on the DVD recording.



Disc playback mode

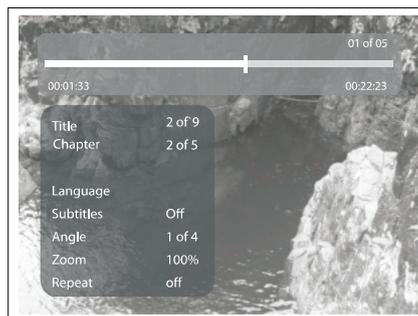
Track Browser



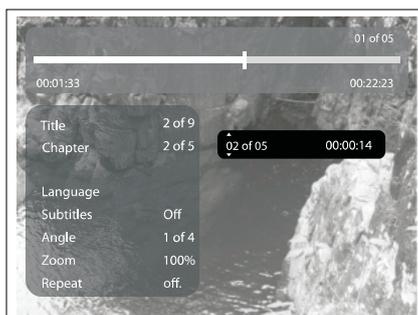
This menu provides you simultaneous access to such functions and information as: chapter, title, dubbing, subtitles, camera angel, zooming, repeated playback and time code.

DVD disc:

Press the BROWSE button on the remote control.
The following information will be displayed on the screen:

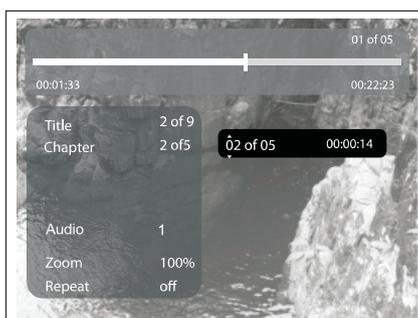


Choose the required item using the ▲/▼ buttons.
For example choose the chapter, press OK to confirm.
Enter the chapter number using numeric buttons. For instance press 0 and 2, the DVD player will start playing The number of the loaded from the second chapter. chapter shall not exceed the number of titles.



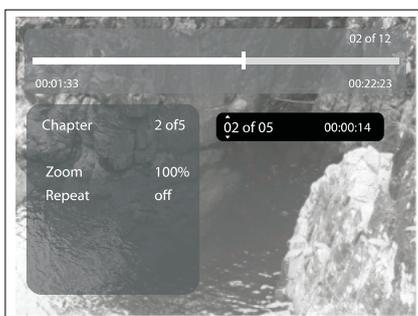
SVCD disc:

Press the BROWSE button on the remote control.
The following information will be displayed on the screen:



VCD disc:

Press the BROWSE button on the remote control.
The following information will be displayed on the screen:



Disc playback mode

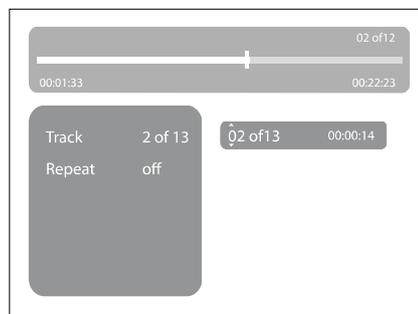
CD disc:

Press the **BROWSE** button on the remote control. The following information will be displayed on the screen:

To disable the **BROWSER** function, press the **BROWSE** button again.

NOTE

- You may choose options only while playing the disc.



Disc playback mode

Playing WMA, JPEG, MPEG-4 files

WMA is an international standard of audio compression, compressing audio data 12 times to 1/12 of their size. One CD disc may store more than 600 minutes of music (more than 170 songs). And the quality of WMA disc approximates to the audio CD disc quality

JPEG (Joint Photographic Expert Group)- image compression algorithm, used all over the world and providing high level of compression of the source data. Any graphics editor may edit images of this format and their sizes 15-20 times less than the original images.

MPEG-4 is the standard for transmitting audio and video data via channels with low capacity. This format is very popular since it made possible to place full-length movies with good enough resolution on one CD, and to exchange video files through the internet.

This DVD player may decompress and playback files of these formats using one user-friendly interface.

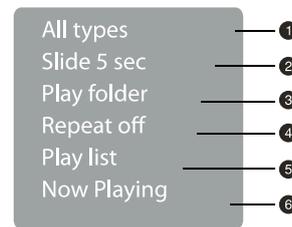
- ❶ Directory window. Displays the current file directory.
- ❷ Files window. Displays the directory contents.
- ❸ Scroll bar. Displays file location in the directory
- ❹ Playback features.
- ❺ Preview window. Preview of JPEG files.



Playback settings:

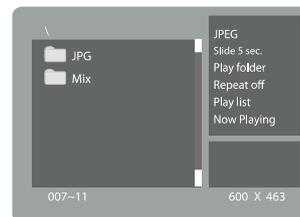
Press the button of the remote control to go the playback setup. Select the required item using the ▲/▼ buttons, press **OK** for confirmation.

- ❶ All disc types
Playback of supported files.
Each time you press the **OK** button, the file format will change by rotation.
All disc types - Audio - Picture- Video -A+V - A+P -P+V



- ❷ Slide show
Choose the slide show speed of displaying JPEG files.
Each time you press the **OK** button, the slide show speed or JPEG files displaying will change by rotation.
Slide 5sec- Slide 10sec - Slide 15sec - Slide 20sec - Slide 25sec - Slide 30sec

- ❸ Play the folder
Choose Play folder or Play disc.
 - 1. Press the **OK** button to play the folder.



- 2. Press the ► button to go to the files window.
Select the required directory, press **OK** for confirmation.
- 3. Press the **SETUP** button to go to the directory menu.



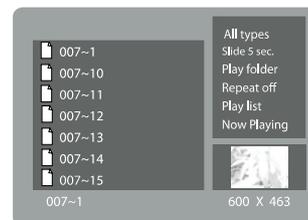
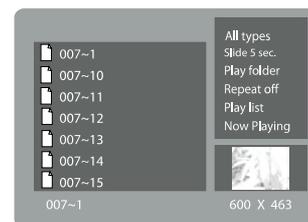
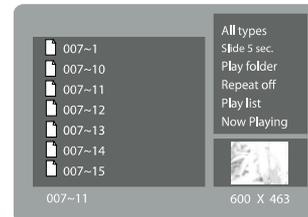
Disc playback mode

- 1. Press the **▶** button to play the entire disc.
- 2. Press the **▶** button of the remote control to go to the files window. Choose the required file using the **▲▼** buttons, press **OK** for confirmation.

4 Disable repeat

Choose playback repeat mode to adjust playback repeat options. Each time you press the **OK** button, the playback repeat mode will change by rotation. If the feature is in disabled Repeat mode, the files will be played in normal sequence without repeat.

- Single press the **▶** button for playback repeat of the desired file.



5 Play list

Choose the play list option using **▶** buttons of the remote control. Press the **OK** button to create programmable file list.

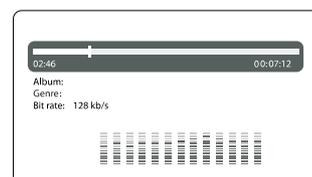
Press the **▶** button of the remote control to go to the file window. Select the required file using the wheel, press **OK** to put it on list. Thereafter press the **▶** button to play the created play list. To disable the play list choose it in the setup menu and press the **OK** button.

6 Player

Choose the player option using the wheel when playing WMA files and press the **OK** button, thereupon you will see information on the played file. Press the **SETUP** button to switch the player off.

NOTES

- Press the **MENU** button to go to the files selection window
- This device may not display all files of MPEG-4 format. Some files may not be readable due to their coding or recording specifics.

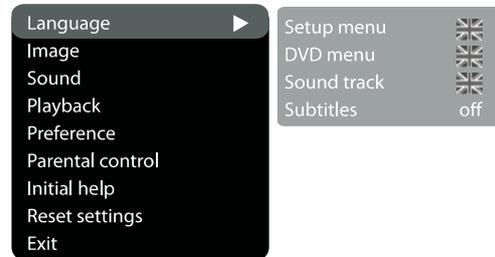


DVD function settings

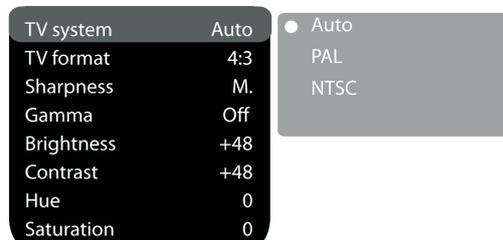
Function selection and change

Press the **SETUP** button to show the setup menu. You will see the following image on the screen, as shown on the figure:

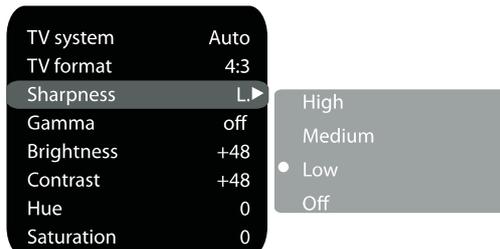
Select the desired menu item using the **▲▼** buttons, press the **OK** button for confirmation.



1. For example, if you wish to change the image settings, you have to select the image item and press the **OK** or **▶** button.



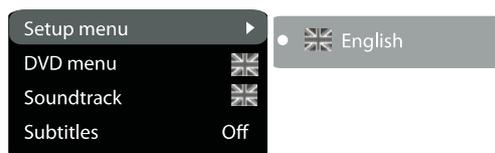
2. Using the **▲▼** buttons, select the desired item and press **OK** or **▶** button. For example, select the sharpness item. Settings will appear on the screen. Then select the desired sharpness level and press **OK** for confirmation.



3. Press **◀** button for exit to previous menu level.
4. Press **SETUP** button to exit setup menu.

Language settings

1. Setup menu: interface language set-up.
Options: English, default option: English.



2. DVD menu: selection of disc menu language.

- DVD menu language options: English, French, Spanish, German, Swedish, Dutch, Russian, Chinese, default DVD menu language option: English.
- Selection of other languages: select the **OTHERS** item using the wheel and press **OK**. Enter the language code using the numeric buttons and press **OK**.
- If the language you selected is not recorded on the DVD disc, another available language will be displayed.

3. Sound: selection of translation language.

- Disc menu/translation language options: English, French, Spanish, German, Swedish, Dutch, Russian, Chinese, default menu/translation language option: English.
- Selection of other languages: select the **OTHERS** item using the wheel and press **OK**. Enter the language code using the numeric buttons and press **OK**.
- If the language you selected is not recorded on the DVD disc, another available language will be used.

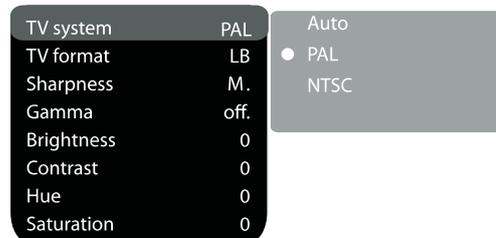
4. Subtitles: selection of subtitles language

- Options: off, English, French, Spanish, German, Swedish, Dutch, Russian, Chinese, default option: off.
- Selection of other languages: select the **OTHERS** item using the wheel and press **OK**. Enter the language code using numeric buttons and press **OK**.
- If the language you selected is not recorded on the DVD disc, another available language will be displayed.

DVD function settings

Image settings menu

1. TV system: TV system selection
Options: Auto, PAL, NTSC. Default option: PAL.
 2. TV Format: image ratio settings
 - Options: 4:3 pan&scan, 16:9 TV, 4:3 LB.
 - Default option: 4:3LB.
 - Some discs are recorded with support of only one ratio. The selected ratio must comply with the TV screen.
 3. Sharpness: image sharpness adjustment
Options: High, Medium, Low. Default option: Medium.
 4. Gamma: adjustment of image color temperature
Options: High, Medium, Low, Off. Default option: Off.
 5. Brightness: adjustment of image brightness
 6. Contrast: adjustment of image contrast
 7. Hues: adjustment of image hues
 8. Saturation: adjustment of image saturation
- Adjustment of image brightness, contrast, hues and saturation:
Select the desired item of the image adjustment section using the ▲▼ buttons. Press OK or ► button to start adjusting the relevant option.
- Change the option value using the wheel.
 - Upon completion press the ◀ button of the ▲▼ buttons to return to image setup menu.



Sound settings menu

1. Digital audio output
- A) SPDIF format: set-up of digital audio output options.
- Options: RAW, PCM. Default options: RAW.

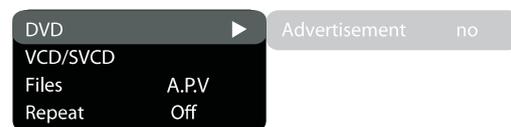


When you select the RAW option, the not decoded signal is transferred to the LCD TV's digital outputs, the decoded signal is transferred to analog outputs. Decoding is preformed by the built-in decoder of the LCD TV. This feature is meant to ensure that signal decoding at digital outputs is performed by an external device (e.g. An amplifier).

- If you select the PCM option, a PCM coded signal will be transferred to the LCD TV's digital outputs.
- B) LPCM: set-up of digital audio output options to comply with different amplifiers and receivers.
- Options: 48 KHz 16 bit, 96KHz 24 bit, 192KHz 24bit. Default option:48 KHz 16 bit.
2. Sound correction
- A) equalizer: equalizer modes
- Options: Off, rock, pop, live, dance, techno, classic, soft. Default option: Off.
- B) Echo: echo effects
- Options: Off, concert, living room, hall, bathroom, cave, arena, church. Default option: Off.
- C) Tone balance: adjustment of tone balance level.
- Adjust the tone balance level using the cursor buttons.
 - Press the ◀ button to return to sound correction set-up menu.

Playback settings

1. DVD
- Advertisement skip: skip the unskippable block while playing a DVD disc.
- Options: Yes, No. Default option: No
2. VCD/SVCD
- PBS menu: PBC menu on/off
- Options: On, Off. Default option: On.



DVD function settings

- If on option is set, while reproducing discs, a menu will appear, in which you can select the order of playing the disc content. If the Off option is set, the reproducing of content is performed in the order, in which it is recorded on the disc.
- 3. Files: selection of reproduced files on the disc
 - Options: Audio, Pictures, Video, any of there combination. Default option: A.P.V.
- 4. Repeat: file repeat mode
 - Options: Off, Single, All. Default option: Off.

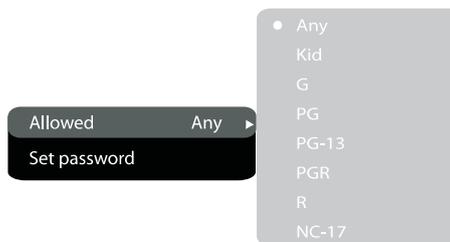
Preference settings

1. Screen saver: screen saver on/of
 - Options: On, Off. Default option: Off.
2. Gr.equalizer: spectrum analyzer
 - Options: On, Off. Default option: Off.



Parental control settings

1. Category: set-up of age restrictions to prevent children from seeing undesirables discs.
 - Options: Any, Kid, G, PG, PG-13, PGR, R, NC-17. Default option :Any



2. Change password: set-up of a four-digit password to change the level of age restrictions.
 - Default option: 9210.



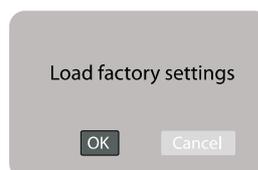
Initial setup menu

- Press the ► button to enter the initial settings menu, then select the desired item using the cursor buttons and press OK button for confirmation.
- While being in this menu section, you cannot return to the previous level by pressing the ◀ button.



Reset setting to default

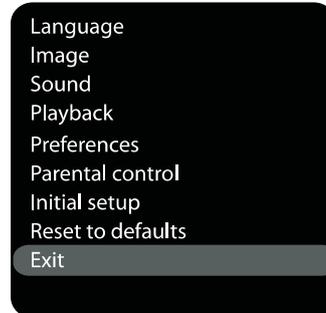
Resetting all settings and restoring default options, except age restrictions level and password.



DVD function settings

Exit settings menu

- Select the exit item using the ▲/▼ buttons and press the OK button to exit the menu.



Card reader and USB operation

Usage of USB device and 3-in-1 card reader

USB refers to Universal Serial Bus. Most of USB devices on the market are USB2.0.

Here are some common types of USB 2.0 devices:

Monitors, Communication devices, Audio Human Input Device(HID), Mass storage drives etc.

Most flash memory, USB HDD etc. belongs to Mass Storage Class. Mass Storage Class includes 2 transport manners:

1. USB 2.0 Mass Storage Class Control/Bulk/Interrupt (CBI) Transport

2. USB 2.0 Mass Storage Class Bulk-Only Transport

This unit supports USB 2.0 Mass Storage Class Bulk-Only Transport.

When using USB 1.1 Mass Storage Class Bulk-Only Transport devices, please note that the file operation system only supports Windows FAT, it does not support FAT32 and NTFS file system. The 3-in-1 cardreader of this player can read SD Card (Secure Digital Card), MMC Card (Multi Media Card) MS Card (Memory Stick Card).

Important: Before you use the USB or card reader function, you should change the input source of the TV to DVD or press DVD/USB/CARD button.

1. Using USB devices:

Please insert USB devices into the USB jack of this unit then change source to DVD. After correctly reading USB devices data, the screen will display an operation menu.



After selected file, press "▶" button to playback.

2. Play 3-in-1 CARD READER

Change source to CARD, then insert CARD devices into the CARD jack of this unit. After correctly reading CARD devices data, the screen will display an operation menu.

Menus

The setup menus allow you to adjust and control the USB and card reader

1. To access the on screen menus, press the **SETUP** button.
2. Press the **▲▼◀▶** buttons to navigate around the menu screens and available options.
3. To exit the setup menu press the **Exit** or **SETUP** button.

Picture settings

This menu gives the options for adjusting the appearance of the TV picture. The following options are available:

Picture Mode – Allows you to select preset levels of contrast, brightness and colour. You can choose from the following settings:

Card reader and usb operation

- User
- Standard
- Dynamic
- Mild

Brightness – Allows you to increase or decrease the brightness of the picture.

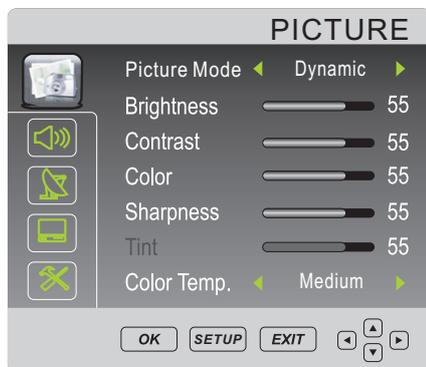
Contrast – Allows you to increase or decrease the contrast of the picture.

Color – Allows you to increase or decrease the saturation of the picture.

Sharpness – Allows you to increase or decrease the sharpness of the picture.

Colour Temperature – Allows you to change the colour tones of the screen. You can choose from the following settings:

- Medium
- Warm
- Cool



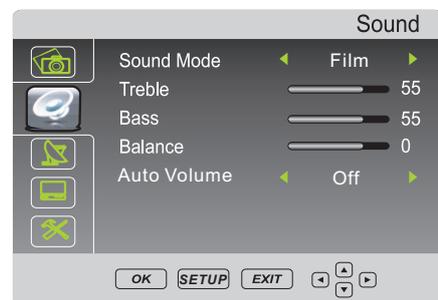
Treble – Allows you to adjust the treble level.

Bass – Allows you to adjust the bass level.

Balance – Allows you adjust the audio output between the left speaker and the right speaker.

Balance – Allows you adjust the audio output between the left speaker and the right speaker.

Auto Volume – Allows you to open and close auto volume adjustment



Sound settings

This menu gives you the options for adjusting the TV sound. The following options are available:

Sound Mode – Allows you to select preset levels of bass and treble. You can choose from the following settings:

- User
- Standard
- Music
- Sports
- Film

Card reader and usb operation

Function settings

This menu allows you to change the following functions:

OSD Language – Allows you to change the on screen display language.

Aspect Ratio – Allows you to change the aspect ratio. The following options are available:

- Auto
- 16:9
- 14:9
- 4:3

Noise Reduction – Allows you to change the noise of the images. The following options are available:

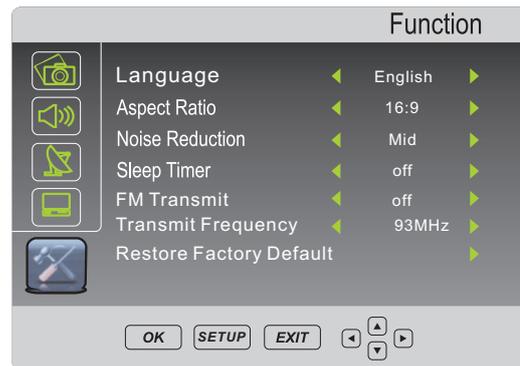
- Low
- Mid
- High
- Auto
- Off

Sleep Timer – Allows you to set the sleep timer. The sleep timer allows you to turn the TV off after a pre-set amount of time. Press the ◀ ▶ buttons to select the required time and press the **OK** button to select. The following options are available:

- Off
- 10min
- 20min
- 30min
- 60min
- 90min
- 120min
- 180min
- 240min

FM Transmit-Allows you to transmit audio by FM frequency

Restore Factory Default – Allows you to reset all TV settings back to the default settings.



NOTES

- This player can play USB devices and MPEG4 and JPEG files in SD, MMC and MS cards.
- When reading MPEG files with large size in USB device or media card, pause may appear.
- If a USB device or media card which are unsupported by the machine have been connected, the unit may 'lock-up' and won't respond to commands. In this event please switch off the power, take out USB equipment or media card, and then switch the power back on to reset the machine.
- When inserting a media card, you should insert it in the right direction: If you are facing the TV screen, make sure you plug-in the card with its connector facing away from you.
- Please take off the USB while it stops playing. Never take off it while it's playing.

TROUBLESHOOTING

To assist in locating possible faults use the help guide below.

Troubleshooting	
No picture, no sound	Check that TV is correctly plugged in. Check the TV is connected to a suitable power source. Check the electrical supply is turned on.
No picture	Ensure that the TV is turned on. Check that the cables are fitted securely. Ensure the aerial and/or external sources are connected. Press the Source button to change the source.
No sound	Press Mute button and check if Mute mode is set. Switch to another channel and see if the same problem occurs. Press V+ button to see if the problem can be solved.
Poor sound	Check if correct sound system is selected (refer to page 16).
No picture on some channels	Check correct channel is selected. Adjust the aerial.
No colour on some channels (black and white)	Check if the same problem exists on other channels. Ensure the correct picture settings are selected (refer to page 15).
Spots on some or all channels	Check that the aerial is correctly connected. Check that the aerial is in good condition.
Controls not working	Disconnect the TV from power supply, wait 10 seconds, reconnect the TV to the power supply.
No response to remote control.	Remote control not aimed correctly. Front panel remote control sensor obstructed. Remote control batteries inserted incorrectly. Remote control batteries exhausted.

If none of the suggestions seem to work, try switching your TV off and then on again. Never attempt to repair the TV yourself.

Note: The TV must only be repaired by a qualified registered service person. Never attempt to remove the back cover as the TV has dangerous voltages inside that may cause fatality or fire.

Care and maintenance

Disposal

This symbol  on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local council office, your household waste disposal service.

Guarantee

Your AVTEX television is covered by a 1 year parts and labour guarantee. This means that if the television develops a fault during the guarantee period we arrange a repair free of charge. Your original receipt acts as your guarantee so please make sure that you retain it throughout the guarantee period.

Please note that this guarantee does not cover you against faults caused by accidental damage or misuse.

Specifications

Specifications of the TV that you have just purchased may vary from the information in this table due to technical innovations.

Panel

Size:	10.1"
Display size (mm):	222.72(H)×125.28(V)
Pixel pitch (mm):	0.2175 (H)×0.2088 (V)
Response time (ms):	8ms(Type)
Brightness (cd/m ²):	170
Contrast ratio:	500:1
Viewing angle (H):	45
Viewing angle (V):	35
Panel life (hours):	10000

Display Mode	Optimum mode:	1024X600;60Hz
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Inputs

Video	
Composite:	1 (CVBS)
Audio	
Stereo:	1
Other interface	
USB	1
CARD reader	1
FM antenna	1
RF	1

Outputs

Video	
Composite	1
Audio	
Stereo	1
Headphone	2

Colour systems	TV tuner:	PAL, SECAM
	Video inputs:	PAL, SECAM, NTSC 3.58, NTSC 4.43, PAL60

Sound systems	TV tuner:	AUTO, BG, I, DK, L
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DVD	Disc type	CD-R/RW, DVD-R/RW, DVD+R/RW
	Formats	DVD-Video, SVCD, VCD, CD-DA HDCD, WMA, Kodak Picture CD, JPEG

Power adapter	Input	~100V-260V, 50/60 Hz
	Output	≈12V, 2A

Power	Normal:	30 W
	Standby:	< 1 W

Environmental consideration	Operating temperature:	+5°C ...+35°C
	Operating humidity:	10 ~ 80 %
	Storage temperature:	+20°C ...+45°C
	Storage humidity:	5%~ 95 %

DTV	Input connector	IEC-Type, IEC169.2, Female
	Frequency range (VHF/UHF):	474 ~ 858MHz
	Channel range (VHF/UHF):	8MHz

Dimensions (WxHxD)	280mm×210mm×36mm
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Net weight	1.3kg
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Features

- Freeview
- Electronic Programme Guide (EPG)
- Wide Viewing Angle
- DVD Combination
- USB Interface
- Card reader
- PVR record function
- FM receiver

Model:W103D