LOGIK

22” Full HD LED TV with DVD Player

Instruction Manual
L22FEDN12 / L22FEDP12 / L22FEDR12 / L22FEDW12

Full HD 1080p digital Freeview DVD VIDEO DOLBY DIGITAL HDMI HIGH DEFINITION MULTIMEDIA INTERFACE srs TruSurround HD

WE KNOWHOW™ TO HELP YOU WITH YOUR TV

We want you to be able to enjoy your new TV for many years. From getting it home and setting it up, to helping you to get the most out of your new purchase. And in the unlikely event your product lets you down, we can get it working again in no time.

Here are some of our TV services but if you want to know more look us up at knowhow.com or call us on: **0844 561 1234**

TV SET UP & DEMO

We'll assemble the stand and connect your new TV to the existing equipment. We'll tune your TV so it's ready to watch. We'll also give you a demonstration of your new TV's functions.

TV WALLMOUNT & DEMO

We'll fix your TV to a suitable position on the wall and connect to your existing equipment, so it's all ready to go. We'll use neat wire management so you don't have to look at any untidy cabling and to complete your fuss-free installation, we'll test and demonstrate your TV's functions.

FREESAT® SET UP & DEMO

We'll set up the Freesat® receiver and connect it to your existing dish, TV and cabling. We'll then tune in all available channels.

AERIAL INSTALL & TUNE

We'll supply, install and align a new, high quality aerial and connect it to your Freeview receiver and TV. Then we'll scan and tune in all available digital channels.

HOME THEATRE SET UP & DEMO

We'll un-box, connect and set up your new and existing equipment. We'll then configure, calibrate and optimise the equipment. To avoid ugly trailing cables, we'll clip them to your skirting board, if you'd like us to. Then we'll give you a demonstration.

FAULT & FIX SERVICES

With our FAULT & FIX services, we can repair a wide range of products at our new state-of the-art repair lab. This service is available for:

- Computer Desktops
- Laptops
- Netbooks
- TVs
- Games Consoles
- Sky & Freeview Digi Boxes

KNOWHOW™

at Currys. PC World. Dixons Travel. Dixons.co.uk

Contents

Preparation **5**

Unpacking the TV 5
Installing / Removing the Base Stand 6
Front / Right Side View and Controls 7
Rear View and Sockets 8
Installing Batteries in the Remote Control 9
Remote Control Operation Range 9
Remote Control 10

Connections **13**

Making Video and Audio Connections 13
Connecting an AV Device Using an HDMI Cable 13
Connecting a Computer Using a VGA Cable 14
Connecting an AV Device Using a Component (YPbPr) Cable 14
Connecting an AV Device Using a SCART Cable 15
Connecting an AV Device Using Composite Cable 15
Connecting a Coaxial Audio Receiver Using an Audio Cable 16
Connecting Headphones 16

Initial Setup **17**

Turning the TV On for the First Time 17
– Target Region Descriptor 18
– Selecting the Input Source 19
– Channel Selection 19
– Display Channel Information 19
– Volume Adjustment 19

Customising TV Settings **20**

Channel Setting (TV, DTV or Radio Mode) 20
– Auto Tuning 20
– DTV Manual Tuning (DTV Mode) 21
– ATV Manual Tuning (ATV Mode) 21
– Channel Edit (DTV Mode) 22
– Channel Edit (ATV Mode) 23
– Signal Information (DTV Mode) 24
– CI (Common Interface) (DTV Mode) 24
– Software Update (Over Air Download) (DTV Mode) 25
– Software Update (USB) 26
Picture Setting 26
Sound Setting 28
– Stereo Sound Reception (ATV Mode) 29
Time Settings 29
Option Setting 31
– OSD Language 31
– TT Language 31
– Audio Language (DTV Mode) 32
– Subtitle Language (DTV Mode) 33
– Hearing Impaired 33
– PVR File System (DTV Mode) 34
– Aspect Ratio 35
– Blue Screen 36
– HDMI CEC (Consumer Electronics Control) (HDMI Mode) 36
– Restore Factory Default 37
Lock Setting 38
– Lock System 38
– Set Password 39
– Block Channel 39
– Parental Guidance 40
– Key Lock 41

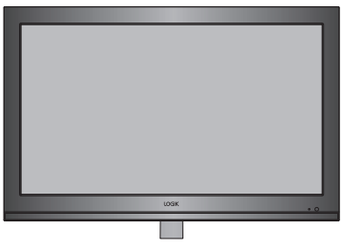
Using the Features **43**
EPG (Electronic Programme Guide) (DTV Mode) 43
– Switch On / Off EPG 43
– Select a Programme 43
Teletext (ATV Mode) 44
– To Turn on Teletext Function 44
Digital Teletext (DTV Mode) 45
– Teletext within Digital Service 45
Entertainment **46**
Connecting a USB Storage Device 46
Viewing Photos 46
Listening to Music 47
Viewing Movies 48
My Text 49
PVR (Personal Video Recorder) **50**
Time Shift Function 50
Recording DTV Programme onto a USB Storage Device 51
Timer Programming 52
Play Recorded Programme 53
Using the DVD Features **54**
Using the Built-in DVD Player 54
Compatible Disc Types 54
– Supported Formats 54
– Region Code 54
Basic DVD Playback Functions 55
Playing Multimedia Discs 57
Using the DVD General Setup Page 58
Using the DVD Audio Setup Page 59
Using the DVD Preference Setup Page 60
Maintenance **62**
Hints and Tips **63**
Display Modes **65**
YPbPr Mode 65
PC Mode 65
HDMI Mode 65
Specifications **66**
Safety Warnings **68**

Thank you for purchasing your new Logik 22" Full HD LED TV with DVD Player.
Your new TV has many features and incorporates the latest technology to enhance your viewing experience. We recommend that you spend some time reading this instruction manual so that you fully understand these features. You will also find some hints and tips to help you resolve any issues.
Read all the safety instructions carefully before use and keep this instruction manual for future reference.

Unpacking the TV

Remove all packaging from the TV. Retain the packaging. If you dispose of it please do so according to local regulations.

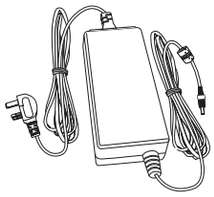
The following items are included:



TV with Stand Support

Remote Control
(P.N.: S10090071G (L22FEDW12)
S10090072G (L22FEDN12)
S10090073G (L22FEDP12)
S10090074G (L22FEDR12))

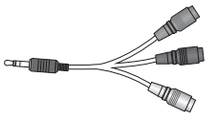
AAA Batteries x 2
(P.N.: S16150012G)



Mains Adapter
(P.N.: S10051231G)

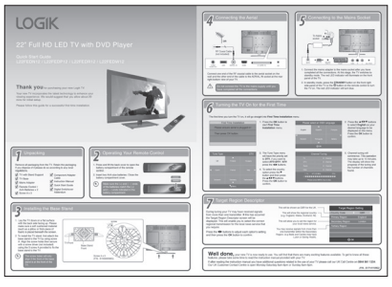
TV Base
(P.N.: S11191060G (L22FEDW12)
S11191052G (L22FEDN12)
S11191061G (L22FEDP12)
S11191054G (L22FEDR12))

Screw A x 3
(P.N.: S15022036G)

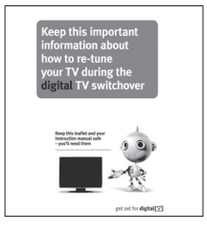


Component Adapter Cable
(P.N.: S09090005G)

Instruction Manual
(P.N.: S17011064G)



Quick Start Guide
(P.N.: S17141109G)



Digital TV Switchcover Addendum
(P.N.: S17141110G)

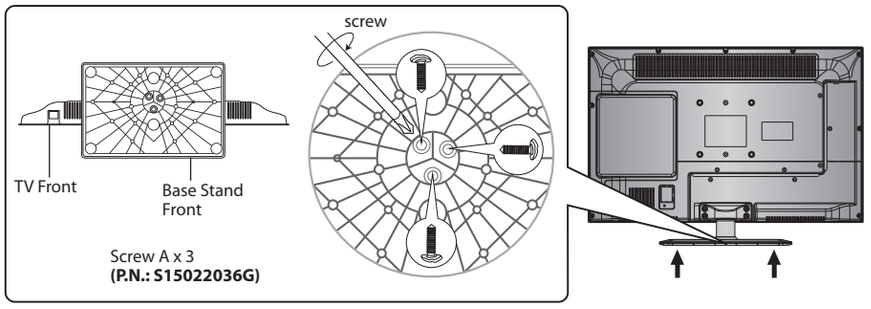
If items are missing, or damaged please contact Partmaster (UK only). Tel: 0844 800 3456 for assistance.

L22FEDN_P_R_W12_IB_120402_Annie.indd 5 12年4月2日 下午3:15

Installing / Removing the Base Stand

The LCD display is very fragile, and must be protected at all times when installing and removing the base stand. Be sure that no hard or sharp object, or anything that could scratch or damage the LCD display, comes into contact with it. DO NOT exert pressure on the front of the TV at any time because the screen could crack.

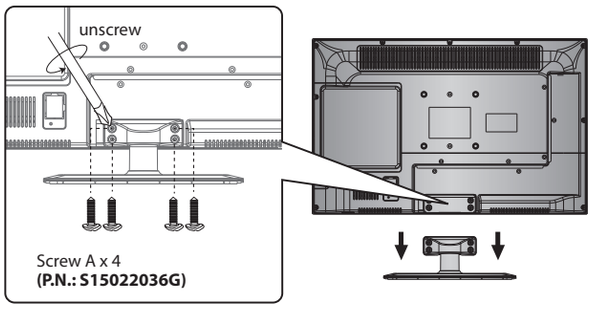
1. Disconnect all cables connected to the TV.
2. Lay the TV down on a flat surface with the back side facing up. Please make sure a soft cushioned material (such as a pillow or thick piece of foam) is placed beneath the screen.
3. To install the TV stand, first attach the base stand to the TV by using screw A. Align the screw holes then secure with a screw driver (not included) using the 3 screw A provided to fix the base stand to the TV.



The screw holes will only align if the front of the base stand is at the front of the TV.

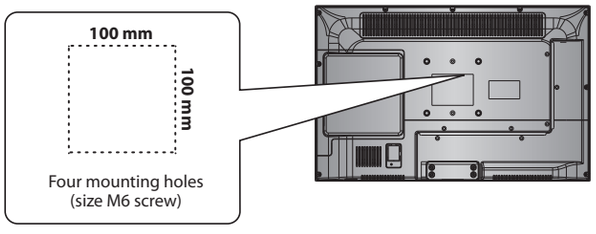
Remove the stand assembly before mounting the TV onto the wall.

4. To remove the stand assembly, untighten the 4 screw A holding the stand assembly to the rear of the TV. Slide the stand assembly out.



Keep all the spare screws should you want to use the stand assembly option.

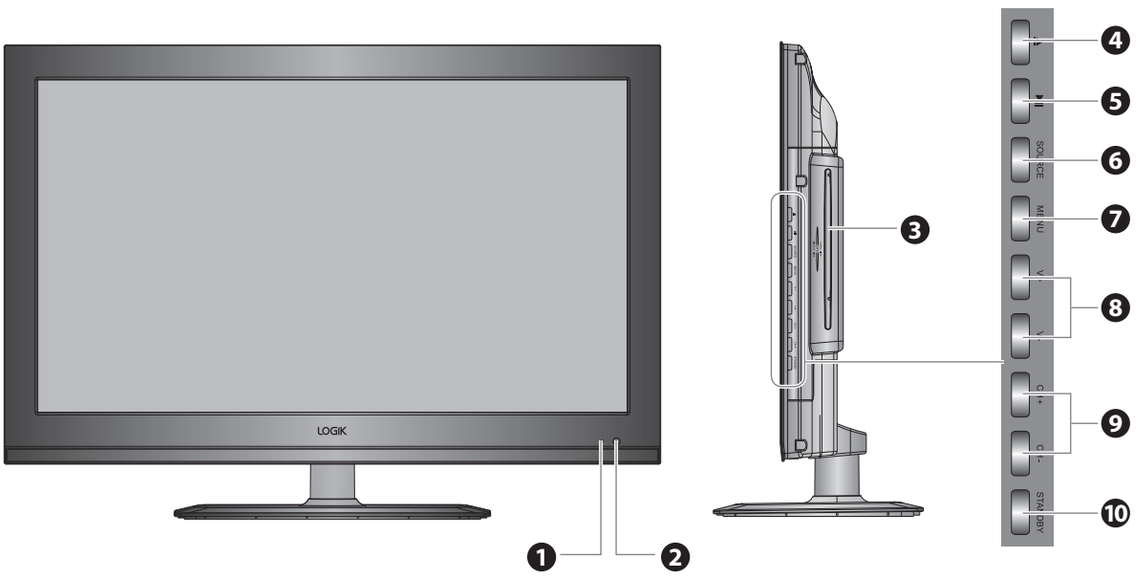
5. Mounting on the wall. This TV is designed to be wall-mounted with a standard 100 mm x 100 mm mounting kit (sold separately) designed for flat-panel TVs. Mount this TV according to the instructions included in the mounting kit. Due to space restrictions, we recommend that you make all connections (refer to page 13-16 and page 47 for details) before mounting on to the wall.



- Please read this instruction manual carefully while setting up your TV.
- If you require additional assistance please call our UK Call Centre on **0844 561 1234**. Our UK Customer Contact Centre is open Monday-Saturday 8am-8pm or Sunday 8am-6pm.

L22FEDN_P_R_W12_IB_120402_Annie.indd 6 12年4月2日 下午3:15

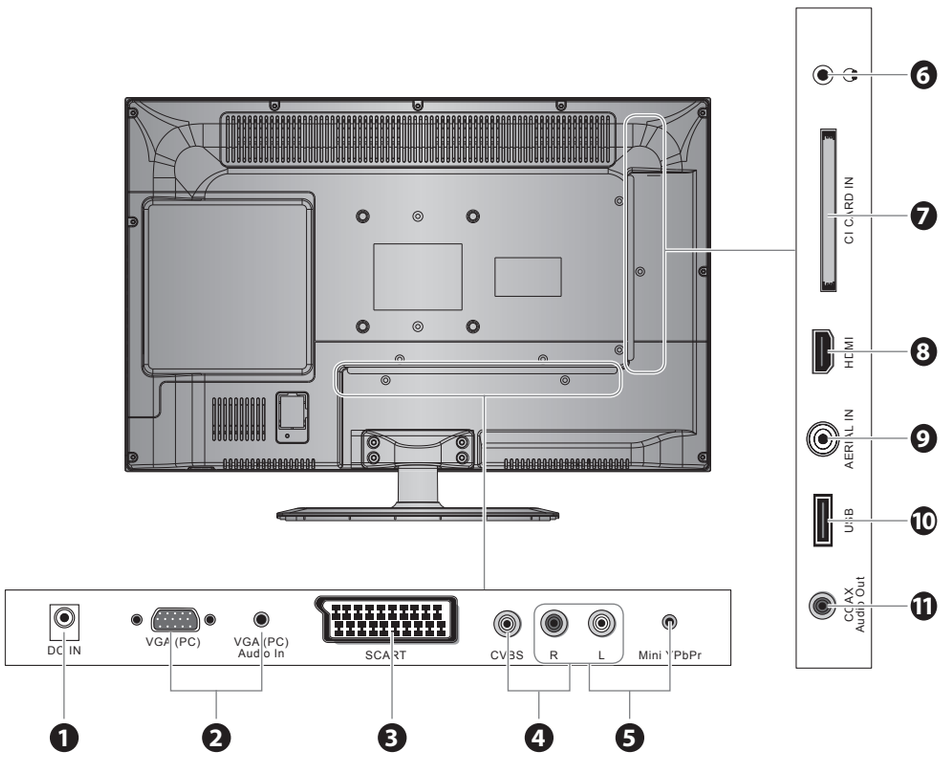
Front / Right Side View and Controls



Item		Description
1	**POWER LED**	Illuminates blue when the TV is turned on. Illuminates red when the TV is in standby mode. The LED will illuminate blue and then blink red and blue confirming that a timer recording programme has started in the standby mode.
2	**IR (Infrared Receiver)**	Receives IR signals from the remote control. Do not put anything near the sensor, as its function may be affected.
3	**Disc Slot**	Insert the disc with the label side facing the rear of the TV. (12 cm discs only. Don't insert 8 cm discs.)
4	⏏	Press to eject disc. (DVD mode)
5	▶II	Press to start playback or pause. (DVD mode)
6	**SOURCE**	Press to select among different input signal sources: DTV / ATV / DVD / AV / SCART / YPBPR / HDMI / PC / USB. Confirmed the selection on OSD menu.
7	**MENU**	Displays the OSD (on screen display) menu.
8	**V + / –**	Adjusts the volume. Press to select and adjust a setting in the OSD menu.
9	**CH + / –**	Press to select a channel or select a sub-menu from the OSD menu.
10	**STANDBY**	Switches the TV on from standby mode. Switches the TV back to standby mode.

L22FEDN_P_R_W12_IB_120402_Annie.indd 7 12年4月2日 下午3:15

Rear View and Sockets

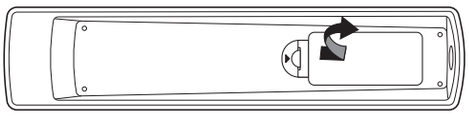


Socket		Description
1	**DC IN**	Connects the mains adapter to the mains socket.
2	**VGA (PC) / VGA (PC) AUDIO IN**	Connects to a computer or other devices with a VGA interface.
3	**SCART**	Connects to a VCR, DVD Player, or other AV device with a SCART output socket.
4	**CVBS / AUDIO IN (L/R)**	Connects to the Composite VIDEO and AUDIO (L/R) output sockets on external video devices.
5	**Mini YPbPr / AUDIO IN (L/R)**	Connects to a DVD player, Digital Set-Top-Box, or other AV devices with component (YPbPr) video and audio output sockets.
6	🎧	Connects to the headphones.
7	**CI CARD IN**	Allows the insertion of a Common Access Module. (Refer to page 24 for details.)
8	**HDMI**	Connects to a High-Definition (HD) signal output device, such as a set-top box, blu-ray disc player or AV receiver.
9	**AERIAL IN**	Connects to the aerial socket on the wall with the RF coaxial cable.
10	**USB**	Allows the insertion of a USB storage device to play video, audio, photo and text files (USB mode) and record DTV programmes on to a USB storage device.
11	**COAX Audio Out**	Connects to the audio socket on the digital/standard 5.1 audio system.

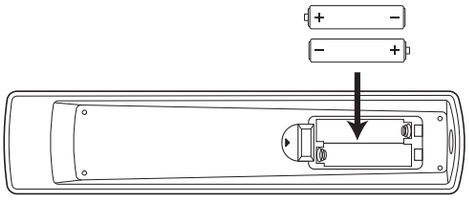
L22FEDN_P_R_W12_IB_120402_Annie.indd 8 12年4月2日 下午3:15

Installing Batteries in the Remote Control

1. Press and lift the back cover to open the battery compartment of the remote control.



2. Insert two AAA size batteries. Make sure to match the (+) and (-) ends of the batteries with the (+) and (-) ends indicated in the battery compartment.



3. Close the battery compartment cover.

Handling the Batteries

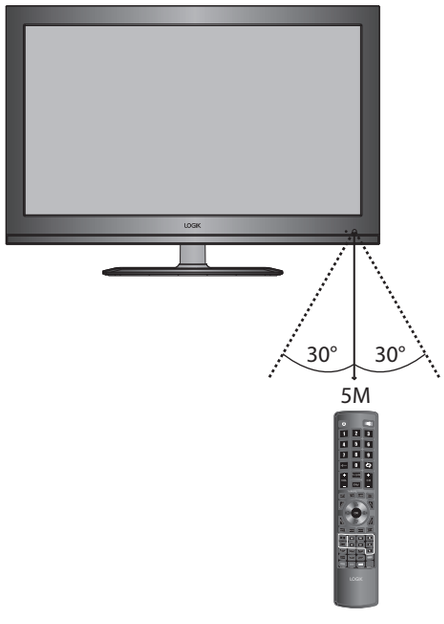
- Improper or incorrect use of batteries may cause corrosion or battery leakage, which could cause fire, personal injury or damage to property.
- Only use the battery type indicated in this manual.
- When the batteries are exhausted, the remote will not function. Replace both batteries at the same time with new ones.
- Do not install new batteries with used ones and do not mix different types of batteries.
- Do not dispose of used batteries as domestic waste. Dispose of them in accordance with local regulations.

Handling the Remote Control

- Take care of your fingernails when you press and hold the battery release tab.
- Do not drop or cause impact to the remote control.
- Do not spill water or any liquid on the remote control.
- Do not place the remote control on a wet object.
- Do not place the remote control under direct sunlight or near sources of excessive heat.
- Remove the battery from the remote control when not in use for a long period of time, as it could cause corrosion or battery leakage and may result in physical injury and/or property damage including fire.

Remote Control Operation Range

Point the remote control at the TV no more than 5 metres from the remote control sensor on the TV and within 60° in front of the TV.
The operating distance may vary depending on the brightness of the room.

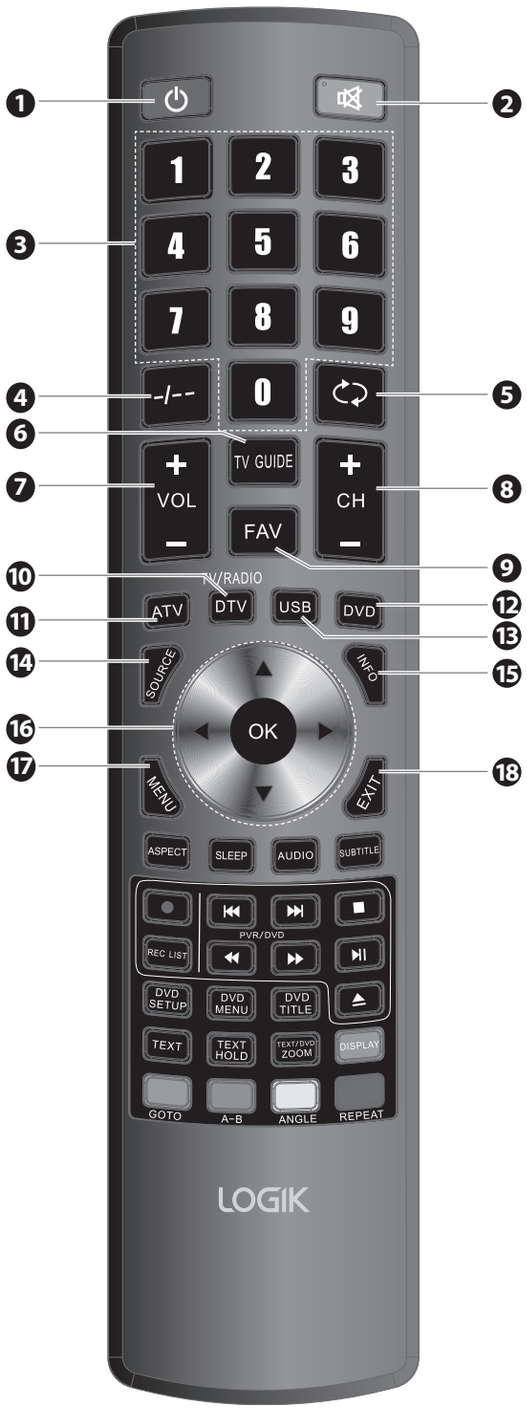


L22FEDN_P_R_W12_IB_120402_Annie.indd 9 12年4月2日 下午3:15

Remote Control

1. ⏻
   Switch the TV between on and standby mode.
2. **MUTE**
   Mute and restore your TV sound.
3. **0-9 Number Button**
   - Press to select a programme. (ATV / DTV mode)
   - Select numbered items in a menu. (DVD mode)
4. **-/--**
   Select and switch to a channel that is higher than Channel 9. (ATV mode)
5. **RECALL**
   Return to the previous viewing channel. (ATV / DTV mode)
6. **TV GUIDE**
   Display the EPG (Electronic Programme Guide). (DTV mode)
7. **VOL + / –**
   Adjust the volume.
8. **CH + / –**
   Select a channel.
9. **FAV**
   Display the favourite channel list. (ATV / DTV mode)
10. **DTV (TV/RADIO)**
    A short-cut to switch input source to TV / Digital radio channels. (DTV mode)
11. **ATV**
    A short-cut to switch input source to ATV. (ATV mode)
12. **DVD**
    A short-cut to switch input source to DVD. (DVD mode)
13. **USB**
    A short-cut to switch input source to TV / Digital radio channels. (DTV mode)
14. **SOURCE**
    Select among the different input signal sources:
    DTV / ATV / DVD / AV / SCART / YPBPR / HDMI / PC / USB.
15. **INFO**
    - Display the present channel information such as the current time and channel name. (ATV / DTV mode)
    - Display the present disc information. (DVD mode)
16. **◀▲▼▶**
    Allow you to navigate the OSD menus and adjust the system settings to your preference.

    OK
    - Confirm the selection in the OSD menus.
    - Display channel list. (ATV / DTV mode)
17. **MENU**
    - Display the OSD (On Screen Display) menu.
    - Return to the previous menu in the OSD menus.
18. **Exit**
    Exit the OSD menu.



L22FEDN_P_R_W12_IB_120402_Annie.indd 10 12年4月2日 下午3:15

19. SLEEP
Set the TV sleep timer: OFF / 10 / 20 / … / 180 / 240 min.

20. ASPECT
Watch the screen in various formats: Auto / 4:3 / 16:9 / Zoom / Smart Zoom / Full / Subtitle. (Full only operates in YPBPR / HDMI mode)

21. AUDIO
- Switches between the audio languages (only applicable when the TV programme / disc has this features). (DTV / DVD mode)
- Select Mono / Stereo Sound Reception. (ATV mode)

22. SUBTITLE
- Select subtitles which are broadcast with the programme. (DTV mode)
- Select subtitles on the DVD. (DVD mode)

23. ⏮
To skip to the beginning of the previous chapter / track / photo. (DVD / USB mode)

24. ●
Record the current programme. (DTV mode)

25. ⏭
To skip to the beginning of the next chapter / track / photo. (DVD / USB mode)

26. ■
To stop the playback or recording. (DVD / USB mode)

27. ◀◀
To reverse playback rapidly. (DVD / USB mode)

28. REC LIST
Display the record list. (DTV mode)

29. ▶▶
To advance playback rapidly. (DVD / USB mode)

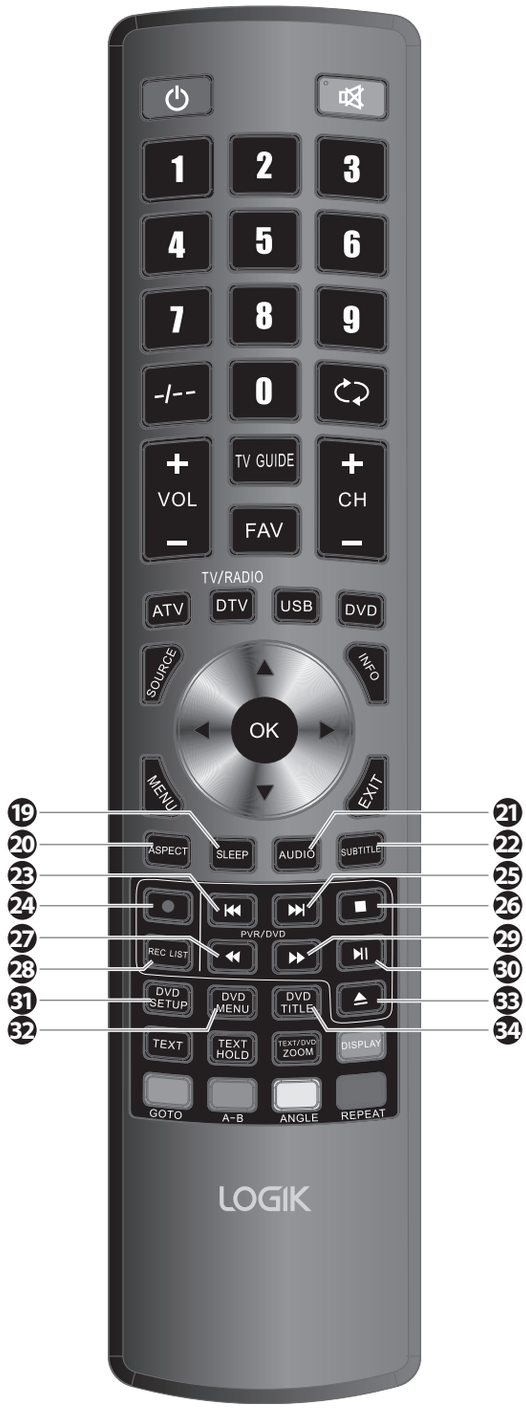
30. ▶II
- To start the timeshift playback. (DTV mode)
- To start playback or pause. (Media / DVD mode)

31. DVD SETUP
Display and exit the DVD setup menu. (DVD mode)

32. DVD MENU
Display the DVD menu. (DVD mode)

33. ⏏
Eject a disc. (DVD mode)

34. DVD TITLE
Display the DVD title content. (DVD mode)



L22FEDN_P_R_W12_IB_120402_Annie.indd 11 12年4月2日 下午3:15

35. TEXT HOLD
Freeze a multi-page passage on screen in teletext. (ATV mode)

36. TEXT
Turn on and off the teletext function. (ATV / DTV mode)

37. TEXT/DVD ZOOM
- To enlarge the picture on the TV in teletext. (ATV mode)
- Zoom in on the displayed frame. (DVD mode)

38. DISPLAY
Displays channel and programme information.

39. Coloured buttons
Access the TELETEXT items or channel edit when using Digital / Freeview TV Channels. (ATV / DTV mode)

GOTO (RED)
To skip to a specific location on a DVD / CD. (DVD mode)

A–B (GREEN)
Repeat a segment between A and B. (DVD mode)

ANGLE (YELLOW)
Select different angles for the video. (DVD mode)

REPEAT (BLUE)
Select between different repeat modes. (DVD mode)

L22FEDN_P_R_W12_IB_120402_Annie.indd 12 12年4月2日 下午3:15

Making Video and Audio Connections

Not all AV devices have the ability to connect to a TV, please refer to the owner's manual of your AV device for compatibility and connection procedures.

When connecting any external AV device, do not connect the mains cable to the mains socket until all other connections are complete.

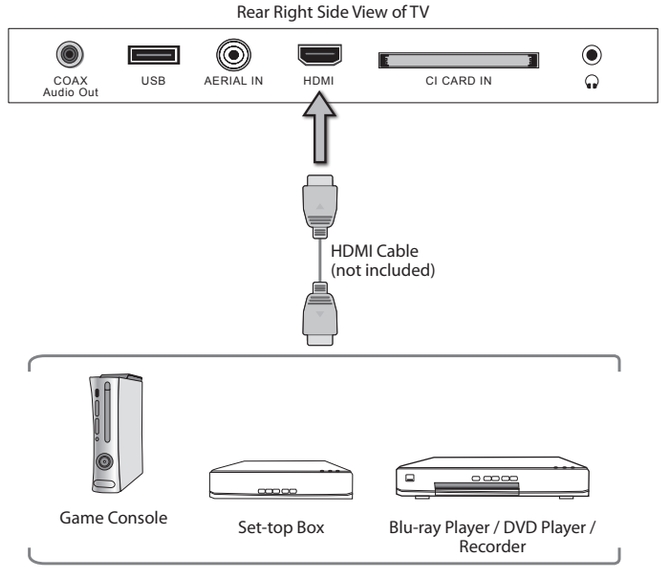
Best Video Performance

	Signal Type	Separate Audio Connection Required
HDMI	HDMI (480i/480p/576i/576p/720p/1080i/1080p)	No
VGA (PC)	PC	Yes VGA (PC) Audio In
YPbPr IN	Component Video (480i/480p/576i/576p/720p/1080i/1080p)	Yes R L
SCART	SCART (RGB Input)	No
CVBS	Composite Video	Yes R L

Connecting an AV Device Using an HDMI Cable

- This TV can accept High-Definition Multimedia Interface (HDMI) supports HDCP (High-Bandwidth Digital Content Protection) Protocol.
- When you connect to the output of an HD ready player (blu-ray disc player, game console, set-top box or computer) switch to the HDMI function and the TV will automatically detect the resolution used by the HDMI source.
- To get the best picture quality, adjust the blu-ray disc player, game console or set-top box output resolution up to 1920 x 1080p.

1. Use an HDMI cable to connect the TV's HDMI input socket to the external AV device's HDMI output socket.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn on your TV.
4. Press the **SOURCE** button on the front right side panel of the TV or on the remote control to display the Source List. Use the ▲▼ buttons to select **HDMI** and then press the **OK** button to confirm.

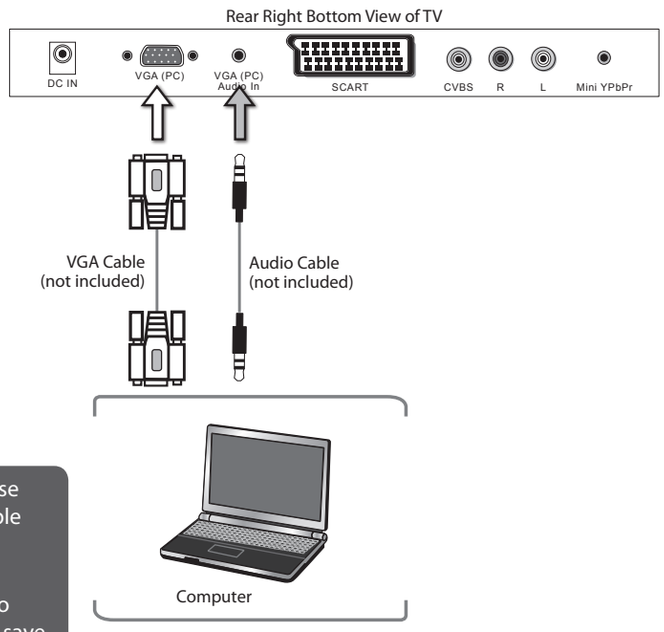


⚠ Although this TV is able to connect to an HDMI device, it is possible that some devices may not operate correctly.

L22FEDN_P_R_W12_IB_120402_Annie.indd 13 12年4月2日 下午3:16

Connecting a Computer Using a VGA Cable

1. Use a VGA cable to connect the TV's VGA (PC) input socket to a computer's VGA output socket. Use an audio cable to connect the TV's VGA (PC) Audio In input socket to the computer's audio output socket.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn on your TV.
4. Press the **SOURCE** button on the front right side panel of the TV or on the remote control to display the Source List. Use the ▲▼ buttons to select **PC** and then press the **OK** button to confirm.



- The native resolution of this TV is 1920x1080 please check your PC graphic settings for the most suitable picture quality.
- If your computer is set to shut down after a few minutes in the idle mode, the TV will also switch to standby due to no signal being received, this is to save energy. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to restart the TV.

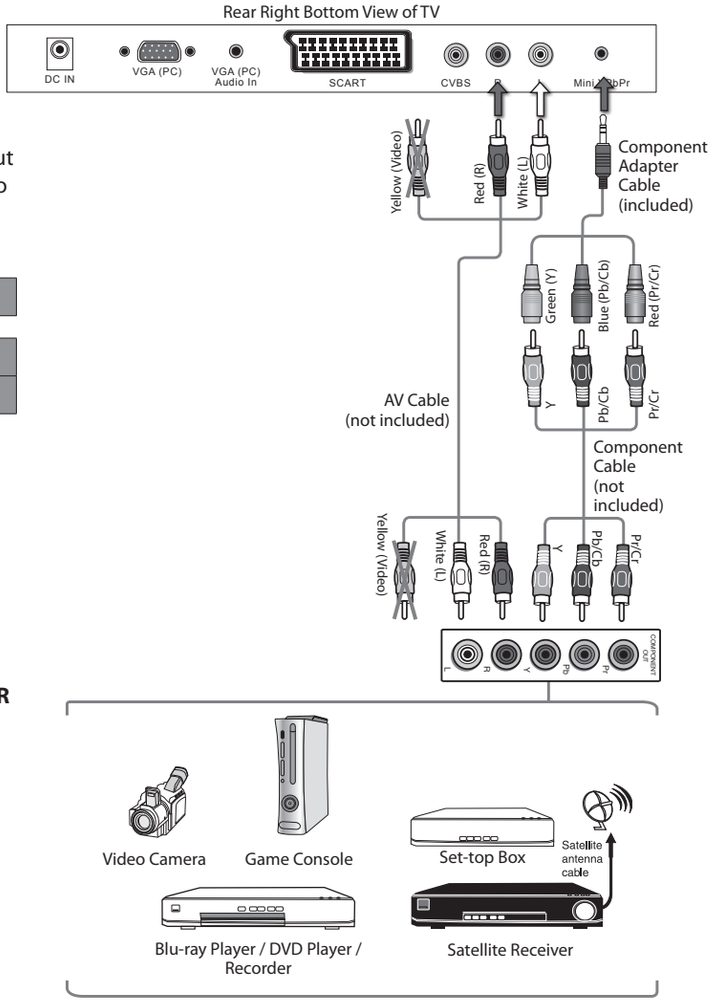
Connecting an AV Device Using a Component (YPbPr) Cable

1. Connect the supplied component adapter cable and a component cable from the TV's Mini YPbPr input sockets to an external AV device's component output sockets.
2. Use an AV cable to connect the TV's AUDIO(L/R) input sockets to the external AV device's component audio output sockets. (Audio Left = white, and Audio Right = red)

Component port on the TV	Y	Pb	Pr

Video output ports on DVD player	Y	Pb	Pr
	Y	Cb	Cr

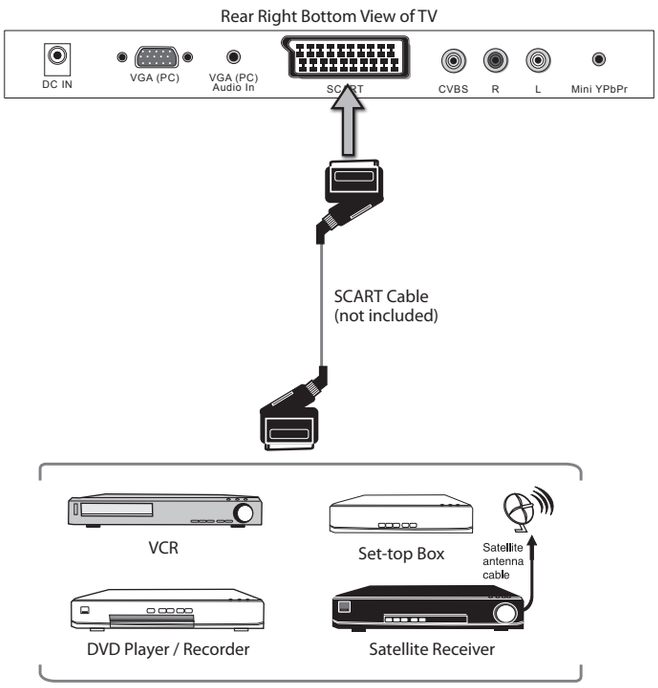
3. Plug the connected devices into the mains socket before switching on the TV.
4. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn on your TV.
5. Press the **SOURCE** button on the front right side panel of the TV or on the remote control to display the Source List. Use the ▲▼ buttons to select **YPBPR** and then press the **OK** button to confirm.



L22FEDN_P_R_W12_IB_120402_Annie.indd 14 12年4月2日 下午3:16

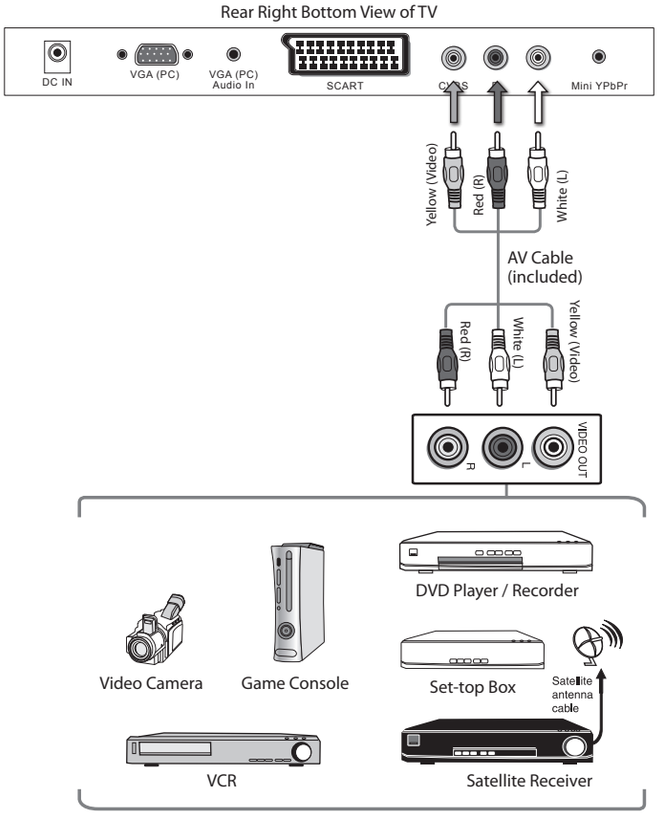
Connecting an AV Device Using a SCART Cable

1. Use a SCART cable to connect the TV's SCART input socket to an external AV device's SCART output socket.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn on your TV.
4. The TV will change the input source to **SCART** automatically once the AV device is switched on.



Connecting an AV Device Using Composite Cable

1. Use the AV cable to connect the TV's AUDIO(L/R)/ VIDEO IN input sockets to an external AV device's composite audio/video sockets.
   (Video = yellow, Audio Left = white, and Audio Right = red)
2. Plug the connected devices into the mains socket before switching on the TV.
3. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn on your TV.
4. Press the **SOURCE** button on the front right side panel of the TV or on the remote control to display the Source List. Use the ▲▼ buttons to select **AV** and then press the **OK** button to confirm.



GB

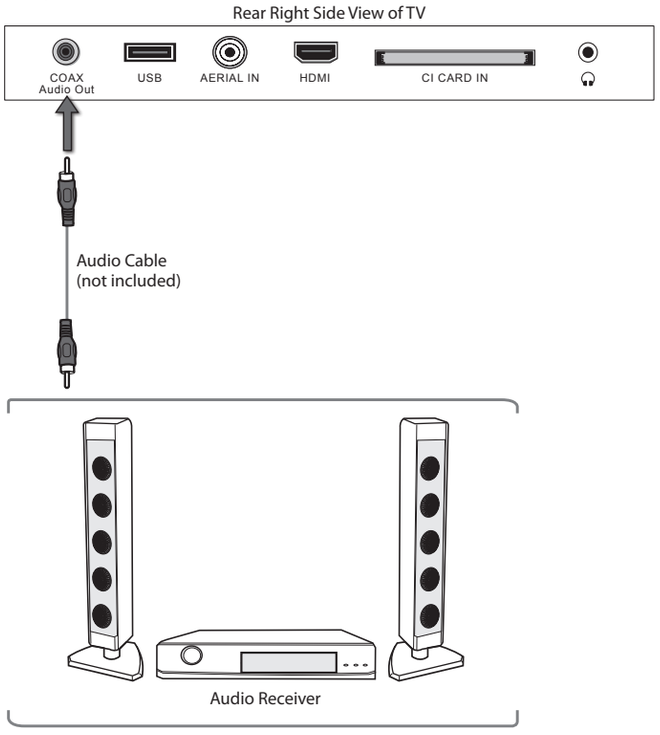
Connections

L22FEDN_P_R_W12_IB_120402_Annie.indd 15 12年4月2日 下午3:16

Connecting a Coaxial Audio Receiver Using an Audio Cable

For better sound quality, you may want to play the audio through your multi-channel audio receiver.

1. Use an audio cable to connect the TV's COAX Audio Out output socket to an external audio receiver's audio coaxial input socket.
2. Plug the connected devices into the mains socket before switching on the TV.
3. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn on your TV.
4. Press the **SOURCE** button on the front right side panel of the TV or on the remote control to display the Source List. Use the ▲▼ buttons to select any desired input source and then press the **OK** button to confirm.

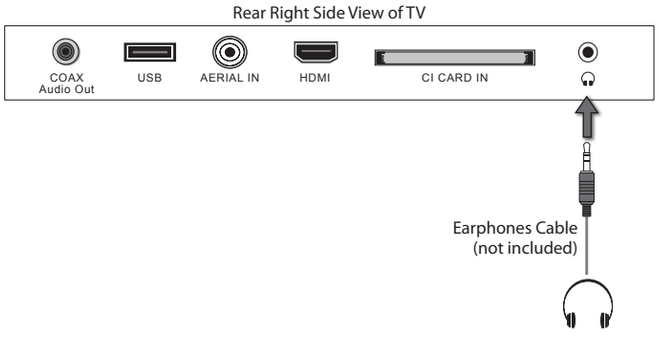


⚠ The TV's volume control will have no effect. You may control the audio level via the Audio Receiver.

Connecting Headphones

Connect your headphones to the TV's 🎧 socket.

Before putting on the headphones, turn the volume down then put the headphones on and slowly increase the volume until you reach a comfortable listening level.

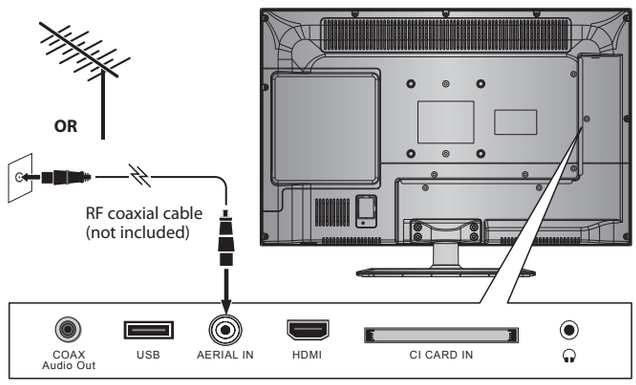


⚠ Long-term exposure to loud music may cause hearing damage. It is best to avoid extreme volume when using headphones, especially for extended periods.

L22FEDN_P_R_W12_IB_120402_Annie.indd 16 12年4月2日 下午3:16

Turning the TV On for the First Time

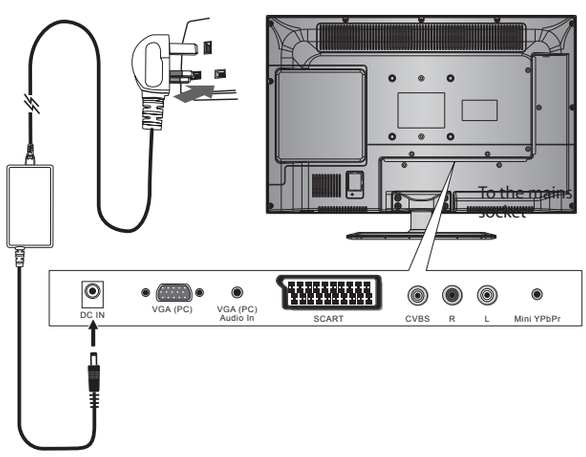
1. Connect one end of the RF coaxial cable to the aerial socket on the wall and the other end of the cable to the AERIAL IN socket at the rear right bottom view of your TV.



Do not connect the TV to the mains supply until you have completed all the connections.

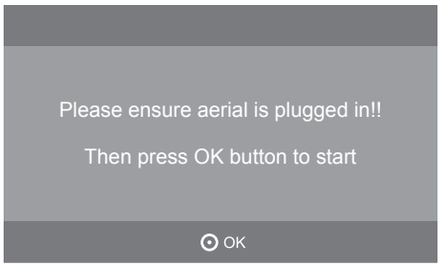
2. Connect the mains adapter to the mains socket after you have completed all the connections. At this stage, the TV switches to standby mode. The red LED indicator will illuminate on the front panel of the TV.

3. In standby mode, press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn the TV on. The red LED indicator will turn blue.

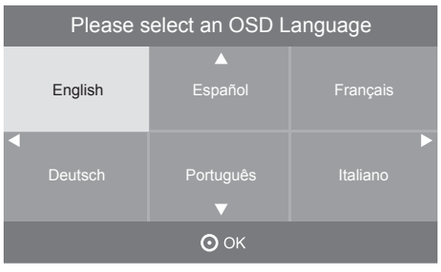


- Only use the included mains adapter. Do not use it with any other equipment.
- Always disconnect the TV from the mains socket when not in use for a long period of time.
- The **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control is only used for switching the TV into standby, it does not disconnect the TV from the mains power. To completely disconnect the mains power, please remove the mains adapter from the mains socket.

4. The first time you turn the TV on, it will go straight into the **First Time Installation** menu. Please ensure the aerial is plugged in and then press the **OK** button. (If you have already installed the TV using the Quick Start Guide, please go to the section "**Selecting the Input Source**" on the next page.)



5. Press the ▲◀▶▼ buttons to select your desired language to be displayed on the menu. The default on-screen menu language is set as English. Press the **OK** button to confirm.



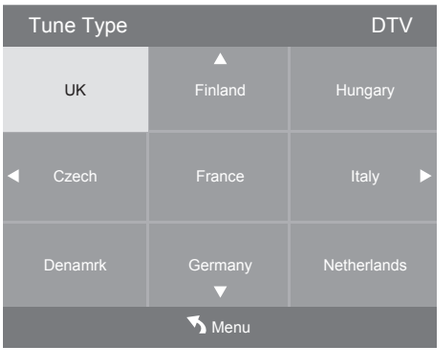
GB

Initial Setup

L22FEDN_P_R_W12_IB_120402_Annie.indd 17 12年4月2日 下午3:16

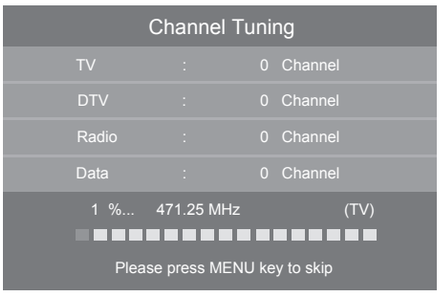
6. The **Tune Type** menu will have the priority set to DTV, if you want to select **ATV+DTV** / **ATV** press the ◀▶ buttons.

7. To select the country option press the ▼ button and then press the ▲◀▶▼ buttons. Press the **OK** button to confirm.



8. Channel tuning will commence. This operation may take up to 10 minutes. The display will show the progress of the tuning and the number of channels found.

When only the DTV tune function is selected the channel tuning progress will not find any ATV channels and will show TV : 0 channel).



9. If you want to skip the ATV tuning, press the **MENU** button to interrupt the tuning half way. A pop-up screen will be displayed, press the ◀ button to select **YES** to confirm. You will then go straight to DTV tuning. You may repeat the above step if you also want to skip the DTV tuning. An installation reminder will appear the next time you turn on the TV.

10. After tuning is complete, the channels are arranged in a preset order. If you wish to skip channels, modify the preset order or rename channels, select **Channel Edit** under the **Channel** menu (refer to page 22-23 for details).

Target Region Descriptor

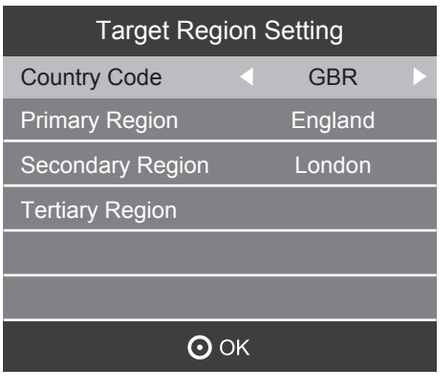
During tuning your TV may have received signals from more than one transmitter. If this has occurred the Target Region Descriptor screen will be displayed. This will enable you to select the correct regional transmission for the local news service that you require.

1. Press the **OK** button to confirm the **Country Code**, this will highlight the Primary Region **England**.

2. Press the **OK** button to highlight **Secondary Region** and press the ◀▶ buttons to select your preferred option (if available).

3. Press the **OK** button to confirm, and **Tertiary Region** will be highlighted. Press the ◀▶ buttons to select the your preferred option (if available).

4. Press the **OK** button to confirm.



Country Code	This will be shown as GBR for the UK.
Primary Region	This will show the regional country (England, Wales, Scotland, NI).
Secondary Region	This will allow you to set the region for your local news service on BBC and ITV (London, Beds and Cambs etc).
Tertiary Region	You may receive signals from more than one transmitter within the Secondary Region, (e.g Beds and Cambs may have Luton or Sandy Heath).

L22FEDN_P_R_W12_IB_120402_Annie.indd 18 12年4月2日 下午3:16

Selecting the Input Source

1. Press the **SOURCE** button on the front right side panel of the TV or on the remote control to display the Input Source list.
2. Press the ▲▼ buttons to select the input source that you want: DTV / ATV / DVD / AV / SCART / YPBPR / HDMI / PC / USB.
3. Press the **OK** button to confirm your selection. If you do not press the **OK** button to confirm, the TV will automatically confirm the selected input source within 4 seconds.

Alternative

- Press the **ATV** button to switch to ATV channels directly.
- Press the **DTV (TV/RADIO)** button to switch to TV / digital radio channels directly.
- Press the **USB** button to switch to USB mode directly.
- Press the **DVD** button to switch to DVD mode directly.

Channel Selection

- Press the **CH + / –** buttons on the remote control repeatedly or the **0-9** buttons to select the channel.

Alternative

Press the **OK** button to enter the **Channel List**. Then use the ▲▼ buttons to highlight and select the channel. Press the **OK** button to view the selected channel.

- If a blocked channel is selected, the password screen will be displayed. Press the **0-9** buttons to enter the password, the channel will then be unlocked (refer to page 40 for details on **Block Channel**).
- Press the **FAV** button to view the **Favourite List**. Then use the ▲▼ buttons to highlight and select the channel. Press the **OK** button to view the selected channel (refer to page 22-23 for details on **Channel Edit**).
- Press the ↻ button to return to the previously viewed channel.

Display Channel Information

- Press the **INFO** button to view the current information.

Volume Adjustment

- Press the **V +** or **–** button on the right side panel of the TV or the **VOL +** or **–** button on the remote control to adjust the volume.
- If you wish to switch the sound off, press the 🔇 **MUTE** button. Press the 🔇 **MUTE** button again or the **VOL +** or **–** button to resume audio listening.

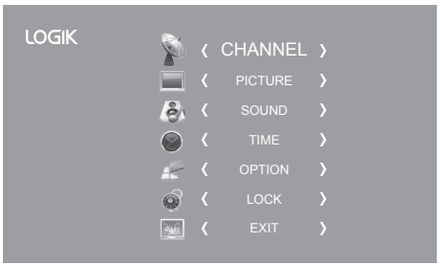
L22FEDN_P_R_W12_IB_120402_Annie.indd 19 12年4月2日 下午3:16

Channel Setting (TV, DTV or Radio Mode)

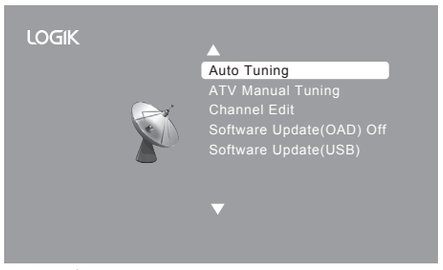
Auto Tuning

Use this to automatically find and store all available channels. This is normally recommended if some channels have been added or removed by the broadcaster or if you have moved house.

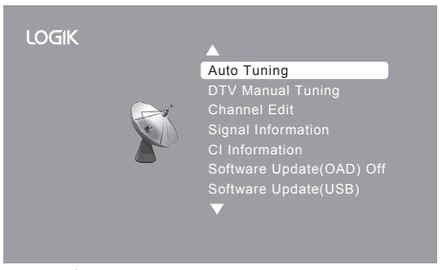
1. Press the **MENU** button and then press the ▲▼ buttons to select the **CHANNEL** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **Auto Tuning** and then press the **OK** button.

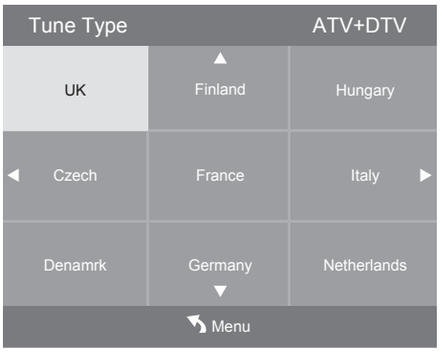


(ATV mode)

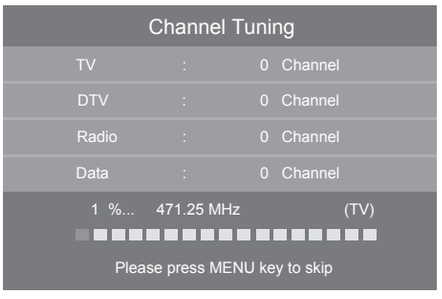


(DTV mode)

3. In the **Tune Type** menu, press the ◀▶ buttons to select **ATV / DTV / ATV+DTV**. Press the ▼ button and then press the ▲◀▶▼ buttons to select the country where you will operate the TV. Press the **OK** button to confirm.



4. Channel tuning will commence. This operation may take up to 10 minutes. The display will show the progress of the tuning and the number of channels found.



5. If you want to skip the ATV tuning, press the **MENU** button to interrupt the tuning half way. A pop-up screen will be displayed, press the ◀ button to select **YES** to confirm. You will then go straight to DTV tuning. You may repeat the above step if you also want to skip the DTV tuning. An installation reminder will appear the next time you turn on the TV.

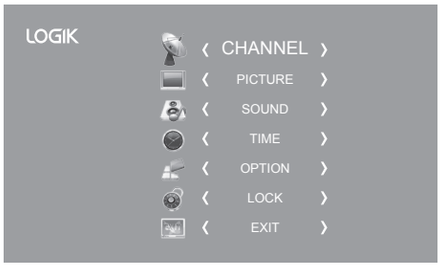
6. After tuning is complete, the channels are arranged in a preset order. If you wish to skip channels, modify the preset order or rename channels, select **Channel Edit** under the channel menu (refer to page 22-23 for details).

L22FEDN_P_R_W12_IB_120402_Annie.indd 20 12年4月2日 下午3:16

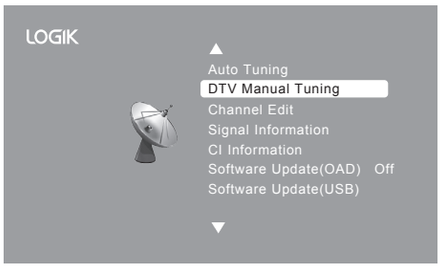
DTV Manual Tuning (DTV Mode)

Allows you to make manual fine tuning adjustments to the channel under DTV mode.

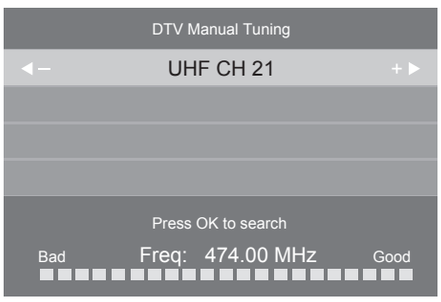
1. Press the **MENU** button and then press the ▲▼ buttons to select the **CHANNEL** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **DTV Manual Tuning** and then press the **OK** button.



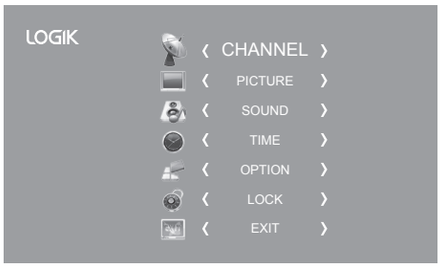
3. The DTV Manual Tuning screen will pop up. Press the ◀▶ buttons to select the desired UHF channel and then press the **OK** button to commence the search of that channel. When the signal has been tuned, the picture and signal strength will be displayed on the screen.
4. Press the **MENU** button to return to the main menu.
5. Press the **EXIT** button to exit the menu.



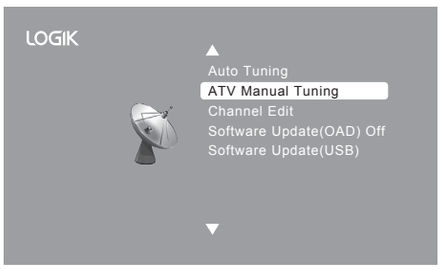
ATV Manual Tuning (ATV Mode)

Allows you to make manual fine tuning adjustments if the channel reception is poor under ATV mode.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **CHANNEL** menu and then press the **OK** button.

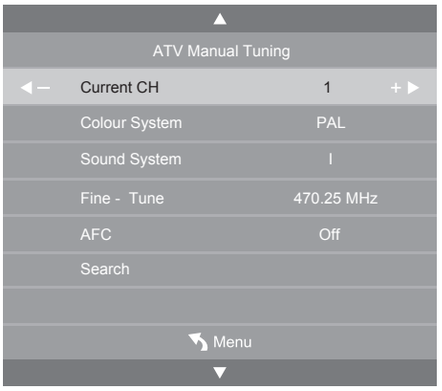


2. Press the ▲▼ buttons to select **ATV Manual Tuning** and then press the **OK** button.



L22FEDN_P_R_W12_IB_120402_Annie.indd 21 12年4月2日 下午3:16

3. The ATV Manual Tuning screen will pop up. Use the ▲▼ buttons to select the following options and the ◀▶ buttons to adjust the setting.



Current CH	Displays the current channel number.
Colour System	Selects the colour system: Auto / SECAM / PAL.
Sound System	Selects the sound system: DK / I / BG.
Fine-Tune	Press the ◀▶ buttons to make manual fine tuning adjustments.
AFC (Auto Frequency Control)	Select AFC On to lock the desired frequency.
Search	Press the ◀▶ buttons to start the manual tuning.

4. After finishing the manual tuning adjustment of a channel, press the **MENU** button to save your channel before tuning the next channel.

5. Press the **EXIT** button to exit the menu.

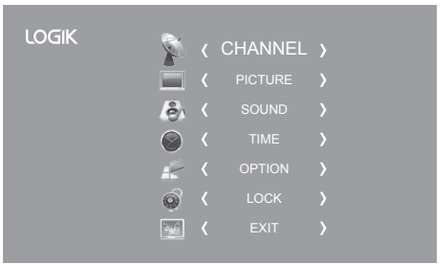
GB

Customising TV Settings

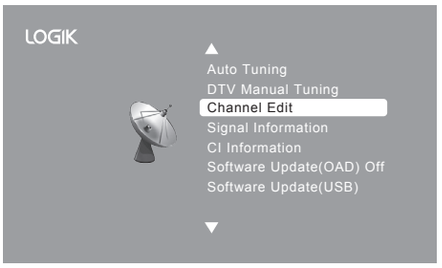
Channel Edit (DTV Mode)

Allows you to edit TV channel information in the Channel List under DTV mode.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **CHANNEL** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **Channel Edit** and then press the **OK** button.



3. A Channel Edit screen will pop up. Press the ▲▼ buttons to select the programme you want to edit.

   a. **Delete**

      Press the **RED** button to delete the selected channel.

   b. **Skip**

      Press the **BLUE** button to select the channels that you want to skip when you are selecting channels. Press the **BLUE** button again to undo it.

   c. **FAV** (Favourite)

      Press the **FAV** button to set the selected channel as one of the favourite programmes. Press the **FAV** button again to undo it.

4. Press the **MENU** button to return to the main menu.

5. Press the **EXIT** button to exit the menu.

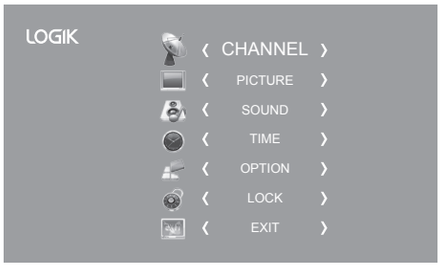
L22FEDN_P_R_W12_IB_120402_Annie.indd 22 12年4月2日 下午3:16

Channel Edit (ATV Mode)

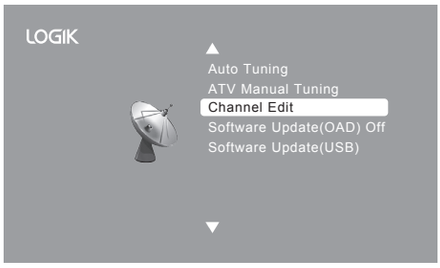
Allows you to edit TV channel information in the Channel List under ATV mode.

---

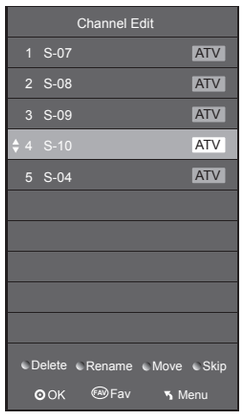
1. Press the **MENU** button and then press the ▲▼ buttons to select the **CHANNEL** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **Channel Edit** and then press the **OK** button.



3. A Channel Edit screen will pop up. Press the ▲▼ buttons to select the programme you want to edit.



a. Delete

Press the **RED** button to delete the selected channel.

b. Rename

Press the **GREEN** button to rename the selected channel. Press the ▲▼ buttons to select the characters to represent the station name. Press the ◀▶ buttons to move to the next character and then press the **OK** button again to confirm the new name.

c. Move

Press the **YELLOW** button and then press the ▲▼ buttons to move to the selected channel. Press the **YELLOW** button or the **OK** button to confirm.

d. Skip

Press the **BLUE** button to select the channels that you want to skip when you are selecting channels. Press the **BLUE** button again to undo it.

e. FAV (Favourite)

Press the **FAV** button to set the selected channel as one of the favourite programmes. Press the **FAV** button again to undo it.

4. Press the **MENU** button to return to the main menu.

5. Press the **EXIT** button to exit the menu.

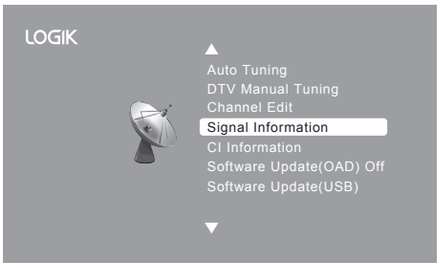
L22FEDN_P_R_W12_IB_120402_Annie.indd 23 12年4月2日 下午3:16

Signal Information (DTV Mode)

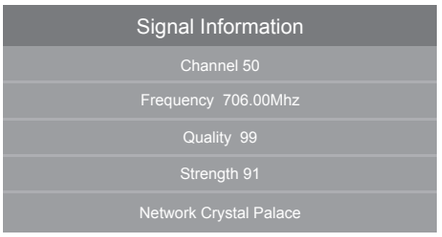
Allows you to view the signal information.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **CHANNEL** menu and then press the **OK** button.

2. Press the ▲▼ buttons to select **Signal Information** and then press the **OK** button to view the signal information.



3. Press the **MENU** button to return to the previous menu, press again to return to the main menu.
4. Press the **EXIT** button to exit the menu.

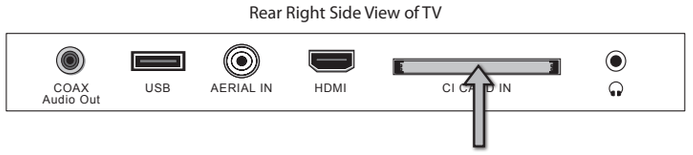


CI (Common Interface) (DTV Mode)

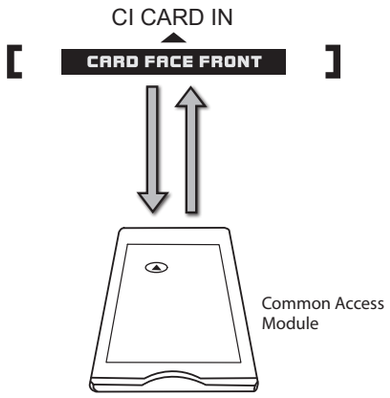
The common interface allows the use of a Common Access Module to enable you to view scrambled (pay to view) services. These services are provided by TopUp TV (UK only) and others. The Common Access Module and viewing card can be obtained from the service provider.

Do not repeatedly insert or remove the Common Access Module as this may damage the interface and cause a malfunction.

This feature is not available in all countries.



CI (Common Interface)
Allows the Common Access Module to be inserted and access the content that has been encrypted.



To insert the Common Access Module

1. Before you insert the Common Access Module, ensure that the TV is switched off and the viewing card is inserted ***in accordance with the Service Provider's instructions***.
2. Insert the Common Access Module into the slot. Flip the Common Access Module to another side and try again if you feel resistance.
3. Switch the TV on.

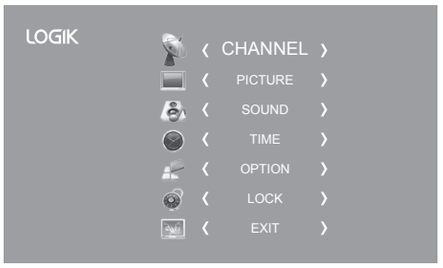
To remove the Common Access Module

1. Before you remove the Common Access Module, ensure that the TV is switched off.
2. Pull the Common Access Module from the slot.
3. Switch the TV on.

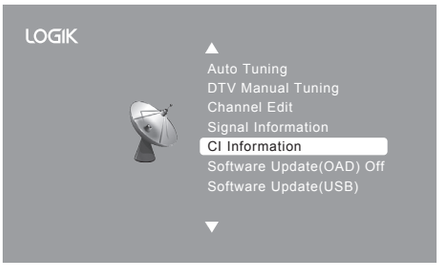
L22FEDN_P_R_W12_IB_120402_Annie.indd 24 12年4月2日 下午3:16

To view the module information

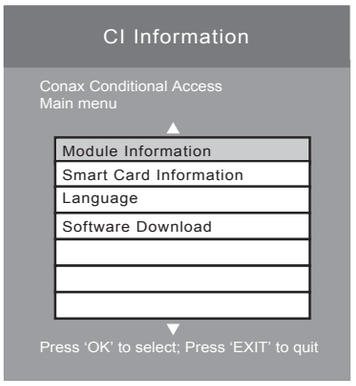
1. Press the **MENU** button and then press the ▲▼ buttons to select the **CHANNEL** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **CI Information** and then press the **OK** button.



3. A CI Information Main menu will pop up. Press the ▲▼ buttons to display the module information, smart card information, language, software download. Press the **OK** button to confirm.
4. Press the **EXIT** button to return to the previous menu. Press the **EXIT** button again to exit the menu.

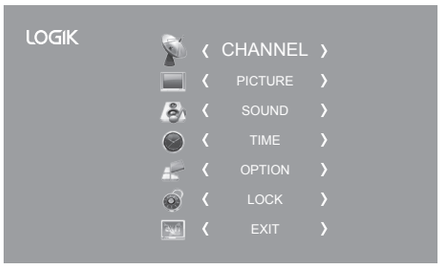


This screen is for illustration only.

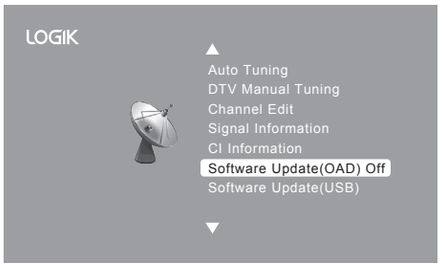
Software Update (Over Air Download) (DTV Mode)

The TV auto detects the latest firmware through the DTV signal and allows you to accept or refuse the firmware upgrade service.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **CHANNEL** menu and then press the **OK** button.



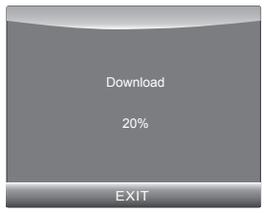
2. Press the ▲▼ buttons to select **Software Update(OAD)** and then press the **OK** button to select **On**.
3. Press the **MENU** button to return to return to the main menu.
4. Press the **EXIT** button to exit the menu.



L22FEDN_P_R_W12_IB_120402_Annie.indd 25 12年4月2日 下午3:16

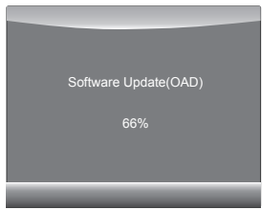
5. During normal DTV viewing, if the TV detects the latest firmware from the DTV signal, the Over Air Download screen will appear. Press the ◀▶ buttons to select **Yes** / **No** for upgrade procedure.

6. If you select **Yes**, the over air download will start. Press the **EXIT** button if you want to stop the download and exit the menu.



During the download, please do not turn off or unplug your TV.

7. When the download is complete, the TV will automatically upgrade the software.



8. When the update is complete, the TV will return to standby mode.

9. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to switch on the TV.

If you experience difficulties after the software update, we recommend that you restore your TV to the factory default settings. To do this, follow the steps below:

1. Press the **MENU** button to go to the **MAIN** menu. Press the ▲▼ buttons to select **OPTION** and then press the **OK** button.
2. Press the ▲▼ buttons to select **Restore Factory Default** and then press the **OK** button. Press the ◀ button to select **Yes** to reset the setting.
3. The TV will restore all settings and go to the First Time Installation. Follow the **First Time Installation** steps (refer to page 17-19 for details).

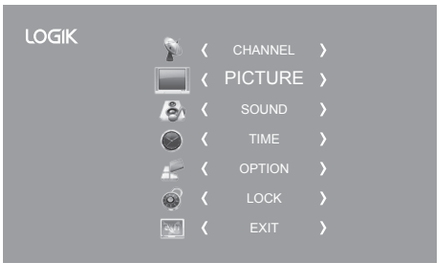
Software Update (USB)

This function is only for servicing purposes. Any update information for this TV (if any) will be available at the following website: http://knowhow.com/ or call our UK Call Centre on **0844 561 1234**. Our UK Customer Contact Centre is open Monday-Saturday 8am-8pm or Sunday 8am-6pm.

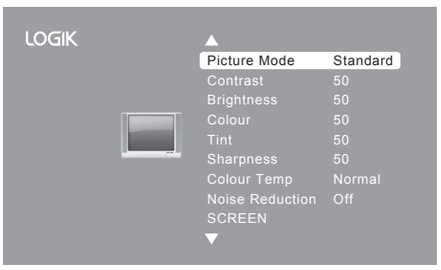
Picture Setting

Allows you to set your preferred picture mode.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **PICTURE** menu and then press the **OK** button.

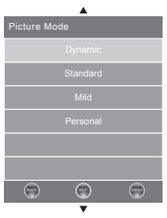


2. Press the ▲▼ buttons to select the following picture options and then press the **OK** button.

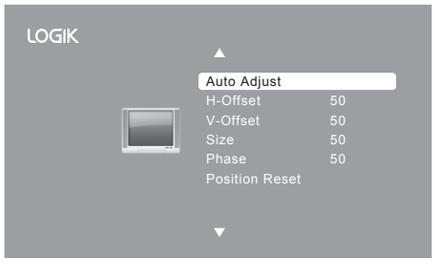


L22FEDN_P_R_W12_IB_120402_Annie.indd 26 12年4月2日 下午3:16

3. Press the ▲▼ buttons to select the options. Press the **OK** button and then press the ◀▶ buttons to adjust each option's setting.

Picture Mode	Cycles among picture mode: Standard / Mild / Personal / Dynamic. 
Contrast	Adjusts the difference between light and dark levels in the picture. (for Personal mode)
Brightness	Increases or decreases the amount of white in the picture. (for Personal mode)
Colour	Controls the colour intensity. (for Personal mode)
Tint (For NTSC format)	Adjusts the balance between red and green levels. (Tint is only available for NTSC signal input via the SCART or AV IN.)
Sharpness	Adjusts the level of crispness in the edges between light and dark areas of the picture. (for Personal mode)
Colour Temperature	Cycles among colour temperature: Cold / Normal / Warm. Adjusts the colour components independently to achieve a warm or cool. (for Personal mode) • **Cold**: Increases blue tint • **Normal** • **Warm**: Increases red tint
Noise Reduction	Reduces the noise level of the connected device: Off / Low / Middle / High.
Screen (PC mode)	Adjusts the PC desktop content.

Auto Adjust	Allows you to synchronise a PC signal automatically.
H-Offset	Adjusts the position of the picture left and right in the window.
V-Offset	Adjusts the position of the picture up and down in the window.
Size	Adjusts the picture horizontally, in linear properties
Phase	Controls the signal phase, which can improve focus clarity and image stability based on the PC mode.
Position Reset	Press to set the best screen position.



4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

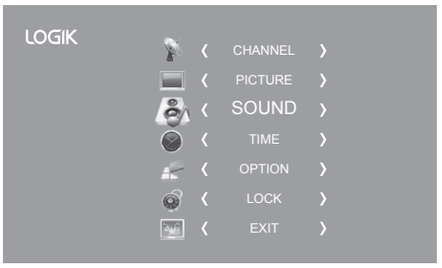
5. Press the **EXIT** button to exit the menu.

L22FEDN_P_R_W12_IB_120402_Annie.indd 27 12年4月2日 下午3:16

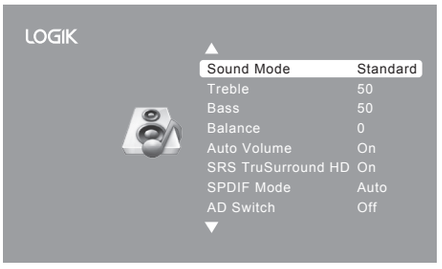
Sound Setting

Allows you to select an audio-enhancement technique.

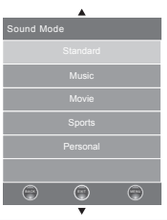
1. Press the **MENU** button and then press the ▲▼ buttons to select the **SOUND** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select the following sound options and then press the **OK** button.



3. Press the ▲▼ buttons to select the options. Press the **OK** button and then press the ◀▶ buttons to adjust each option's setting.

Sound Mode	Allows the selection of an audio-enhancement technique: Standard / Music / Movie / Sports / Personal. 
Treble	Controls the relative intensity of higher pitched sounds. (for Personal mode)
Bass	Controls the relative intensity of lower-pitched sounds. (for Personal mode)
Balance	Adjusts the relative volume of the speakers in a multiple speaker system.
Auto Volume	Volume levels are automatically controlled (e.g., advertisements tend to be louder than the programmes).
SRS	SRS TruSurround HD™ (TS HD) is a robust multichannel virtualisation technology developed by SRS Labs that provides an enhanced listening experience unlike any other technology that has been offered for a two speaker playback environment. TruSurround HD builds upon its predecessor, the industry leading surround sound virtualiser, SRS TruSurround XT®. Not only does TruSurround HD process up to 6.1 channels for playback over two speakers or headphones, but it also utilises additional proprietary algorithms from SRS Labs to optimise bass performance, for deep rich bass, dialogue clarity for better intelligibility of vocals, and definition control for maximum high-frequency clarity. Press the **OK** button to select **On / Off**.
SPDIF Mode	Selects the digital audio output mode.
AD Switch (For DTV mode)	Audio Description is an auxiliary audio function that provides an additional audio track for visually challenged persons. This function handles the Audio Stream for the AD (Audio Description), when it is sent along with the main audio from the broadcaster. • Set to "**Off**" for normal broadcasting sound coming out from speakers. • Set to "**On**" to activate the description sound track if available. The availability of Audio Description sound track is indicated by the visually impaired icon "**V.I.**" in the information banner.

4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

5. Press the **EXIT** button to exit the menu.

L22FEDN_P_R_W12_IB_120402_Annie.indd 28 12年4月2日 下午3:16

Stereo Sound Reception (ATV Mode)

When a programme is selected, press the **AUDIO** button to display the sound information for the selected station.

Broadcast	On Screen Display
Mono	MONO
Stereo	NICAM STEREO

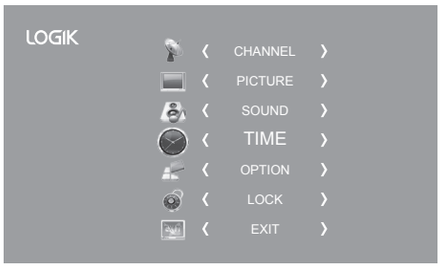
Mono sound selection

If the stereo signal is weak, you can switch to mono by pressing the **AUDIO** button. In mono reception, the clarity of sound is improved. To switch back to stereo, press the **AUDIO** button again.

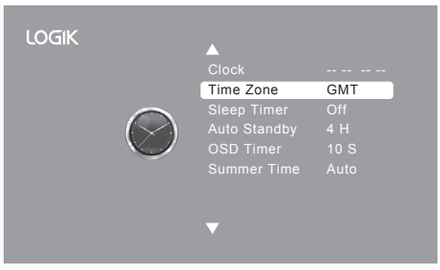
Time Settings

Allows you to adjust time zone, sleep time, auto standby, OSD timer and summer time.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **TIME** menu and then press the **OK** button.

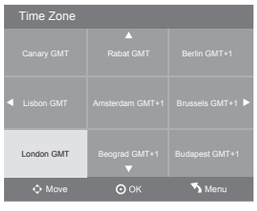


2. Press the ▲▼ buttons to select the following time options and then press the **OK** button.

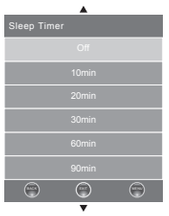
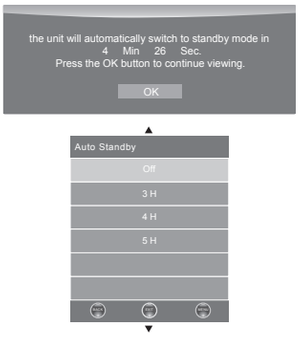
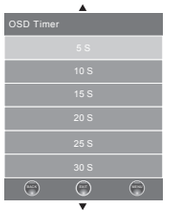


3. Press the ▲▼ buttons to select the options. Press the **OK** button and then press the ◀▶ buttons to adjust each option's setting.

Clock (DTV mode)	The clock is set automatically when receiving a digital signal.
Time Zone (DTV mode)	When you select a Time Zone city, the TV time is set by the time offset information based on Time Zone and GMT (Greenwich Mean Time) which is received with the broadcast signal and the time is set automatically by a digital signal.



L22FEDN_P_R_W12_IB_120402_Annie.indd 29 12年4月2日 下午3:16

Sleep Timer	The sleep timer automatically switches the TV to standby after the preset time has elapsed. The clock will be set automatically when receiving a digital signal. Time must be set before using Sleep Timer function. Press the ▲▼ buttons to select a period of time after which the TV automatically switches to standby mode: OFF / 10 / 20 / … / 180 / 240 min and then press the **OK** button to confirm. The timer begins to count down from the number of minutes selected.  If you turn the TV off after setting the sleep timer, the sleep timer setting will be erased. **Alternative** 1. You may press the **SLEEP** button repeatedly to select the number of minutes: OFF / 10 / 20 / … / 180 / 240 min directly. 2. To cancel the sleep time, press the **SLEEP** button repeatedly until Off appears.
Auto Standby	The unit will automatically switch to standby mode 4 hours after the last time the remote control was used. A reminder screen will pop up and count down before the unit switches to standby mode. If you want to operate the TV for a long period of time, turn off the auto standby function. Press the **MENU** button to display the main menu. Press the ▲▼ buttons to select the **Time** option and then press the **OK** button. Press the ▲▼ buttons to select the **Auto Standby** option and then press the **OK** button to select "**Off**". Press the **EXIT** button exit the main menu. To save energy you should always turn the auto standby function back to "**3H**" or "**4H**". 
OSD Timer	Displays time of the on-screen menu: 5s / 10s / 15s / 20s / 25s / 30s and then press the **OK** button to confirm. 
Summer Timer	Press the ◀▶ buttons to select OFF / ON / Auto.

4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

5. Press the **EXIT** button to exit the menu.

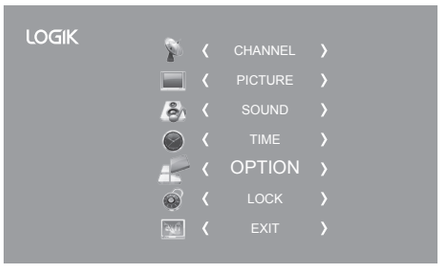
L22FEDN_P_R_W12_IB_120402_Annie.indd 30 12年4月2日 下午3:16

Option Setting

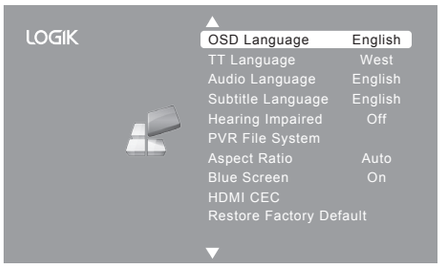
OSD Language

Allows you to select your desired on screen menu language.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.

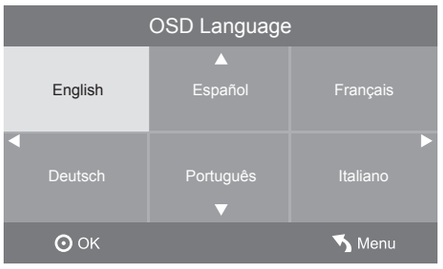


2. Press the ▲▼ buttons to select **OSD Language** and then press the **OK** button. The default on-screen menu language is English.



3. Press the ▲◀▶▼ buttons to navigate the menu and change the settings. Press the **OK** button to confirm to return to the previous menu.

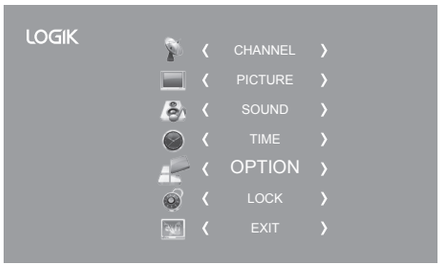
4. Press the **EXIT** button to exit the menu.



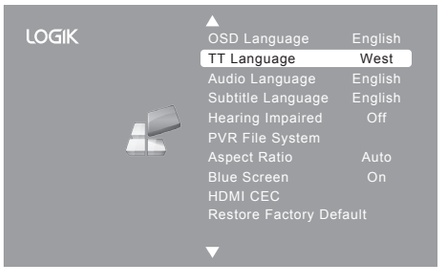
TT Language

Allows you to select your preferred Teletext language.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.



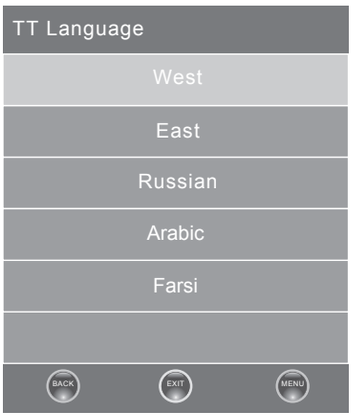
2. Press the ▲▼ buttons to select **TT Language** and then press the **OK** button.



L22FEDN_P_R_W12_IB_120402_Annie.indd 31 12年4月2日 下午3:16

3. Press the ▲▼ buttons to select your desired TT Language. Press the **OK** button to confirm and return to the previous menu.

4. Press the **EXIT** button to exit the menu.



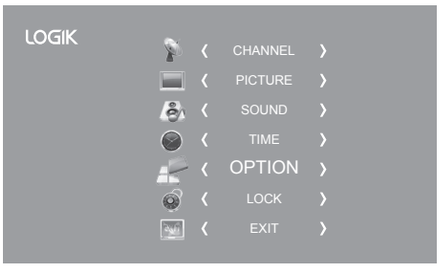
GB

Customising TV Settings

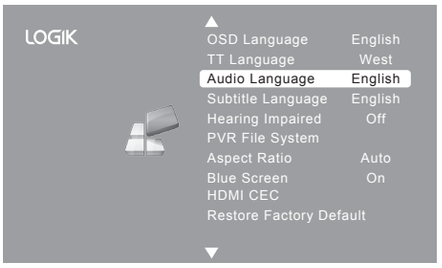
Audio Language (DTV Mode)

Allows you to select your desired audio language. (Available for digital channels if multiple audio languages are broadcast.)

1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **Audio Language** and then press the **OK** button.



3. Press the ▲▼ buttons to select the Primary / Secondary Audio Language. Press the ▼ button and then press the ▲◀▶▼ buttons to select your desired audio language. Press the **OK** button to confirm and return to the previous menu.

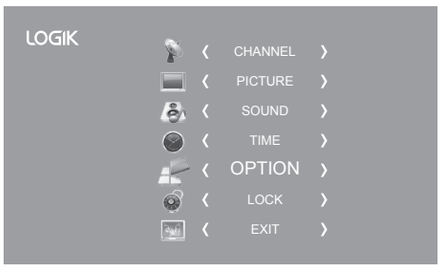
4. Press the **EXIT** button to exit the menu.

L22FEDN_P_R_W12_IB_120402_Annie.indd 32 12年4月2日 下午3:16

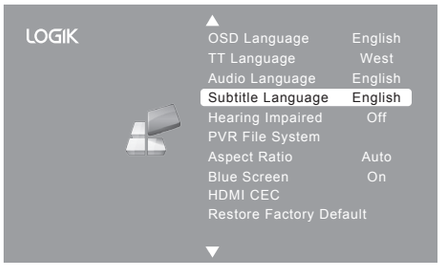
Subtitle Language (DTV Mode)

Allows you to select your desired subtitle language or turn off the subtitle. (Available for digital channels if multiple subtitle languages are broadcast.)

1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.

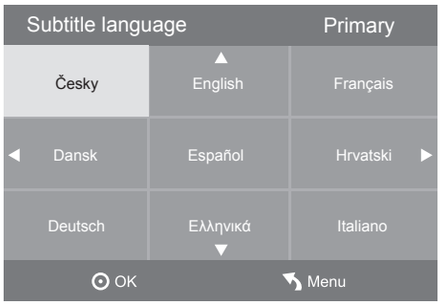


2. Press the ▲▼ buttons to select **Subtitle Language** and then press the **OK** button.



3. Press the ◀▶ buttons to select the Primary / Secondary Subtitle Language. Press the ▼ button and then press the ▲◀▶▼ buttons to select your desired subtitle language. Press the **OK** button to confirm and return to the previous menu.

4. Press the **EXIT** button to exit the menu.

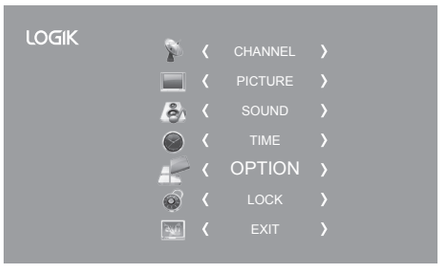


While watching a DTV programme, you can press the **SUBTITLE** button on the remote control to display the **Subtitle Language List** and then press the ▲▼ buttons to select the **Subtitle Language OFF**. Press the **OK** button to confirm. (Only applicable when the TV programme has this feature.)

Hearing Impaired

Shows information for the hearing-impaired in some programmes. (For DTV channels only if available.)

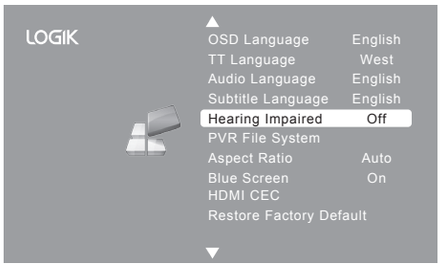
1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **Hearing Impaired** and then press the **OK** button to select **On / Off**.

3. Press the **MENU** button to return to the main menu.

4. Press the **EXIT** button to exit the menu.

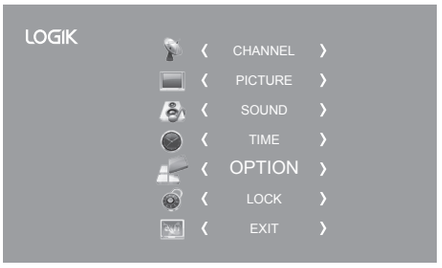


L22FEDN_P_R_W12_IB_120402_Annie.indd 33 12年4月2日 下午3:16

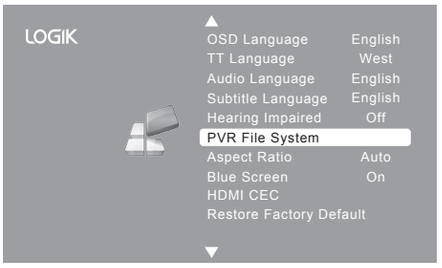
PVR File System (DTV Mode)

Allows you to select your preferences in the PVR File System.

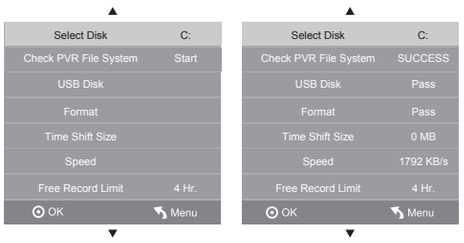
1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **PVR File System** and then press the **OK** button.



3. Press the ▲▼ buttons to select the following PVR File System options and then press the **OK** button.

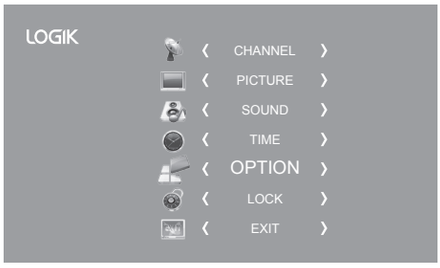
Select Disk	Select the disk where you want to store your recorded content.
Check PVR File System	Press the **OK** button, the system will now check your USB device's suitability for PVR. The system will show "**Checking**". Upon the completion the system will show either "**SUCCESS**" or "**FAIL**". 
USB Disk	If no USB storage device is connected, it will show "**No USB Disk**". If the **Check PVR File System** has a "**SUCCESS**" it will show "**Pass**".
Format	Press the **OK** button, a **File System Size** menu will pop-up. Press the ◀▶ buttons to select your preferred file type between **FAT32** and **HiSpeed FS**. If you select **HiSpeed FS**, press the ▼ button and then press the ◀▶ buttons to select your preferred file size. Press the **OK** button to confirm and then press the ◀ button to start formatting.
Time Shift Size	After formatting the Time Shift Size menu will appear if you have selected **HiSpeed FS** in **PVR File System Type**. Press the ◀▶ buttons to select your preferred file size. Press the **OK** button to confirm. This option cannot be chosen if you have selected **FAT32** in **PVR File System Type**.
Speed	This shows you the transfer rate of your USB storage device.
Free Record Limit	Press the ◀▶ buttons to set the recording time limit from 1-4 hours.

L22FEDN_P_R_W12_IB_120402_Annie.indd 34 12年4月2日 下午3:16

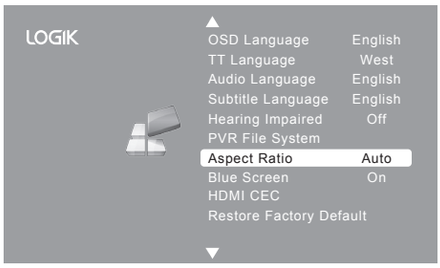
Aspect Ratio

Allows you to watch the screen in various picture formats: Auto / 4:3 / 16:9 / Zoom / Smart Zoom / Full / Subtitle.

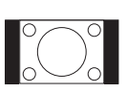
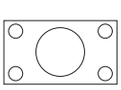
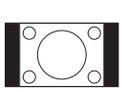
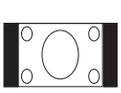
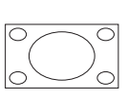
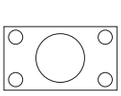
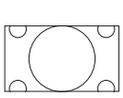
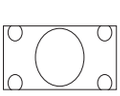
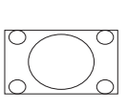
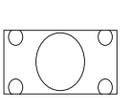
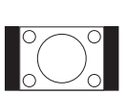
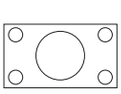
1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.



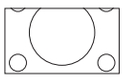
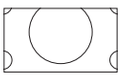
2. Press the ▲▼ buttons to select **Aspect Ratio** and then press the **OK** button.



3. Press the ▲▼ buttons to change the following settings and then press the **OK** button to confirm and return to previous menu.

	Input Signal 4:3		Input Signal 16:9	
Auto	This selection will display the picture according to the aspect ratio of the input source.		This selection will display the picture according to the aspect ratio of the input source.	
4:3	This selection will allow you to view a picture with an original 4:3 aspect ratio. Black bars will appear on both the left and right of the screen.		This selection will allow you to adjust the picture horizontally, in linear proportion. Black bars will appear on both the left and right of the screen.	
16:9	This selection will allow you to adjust the picture horizontally, in linear proportion, to fill the entire screen.		This selection will allow you to view a picture with an original 16:9 aspect ratio.	
Zoom	This selection will allow you to zoom in the picture without any alteration, while filling the entire screen. However, the top and bottom of the picture will be cropped.		This selection will allow you to zoom in the picture without any alteration, while the 4 sides of the picture will be cropped.	
Smart Zoom	This selection is similar to 16:9 mode, but the picture slightly stretches vertically and clips off a little from the top and bottom.		This selection is similar to 16:9 mode, but the picture slightly stretches vertically and clips off a little from the top and bottom.	
Full (HDMI & YPBPR mode only)	This selection will detect the resolution of the HDMI signal and display an image with the same number of pixels.		This selection will detect the resolution of the HDMI signal and display an image with the same number of pixels.	

L22FEDN_P_R_W12_IB_120402_Annie.indd 35 12年4月2日 下午3:16

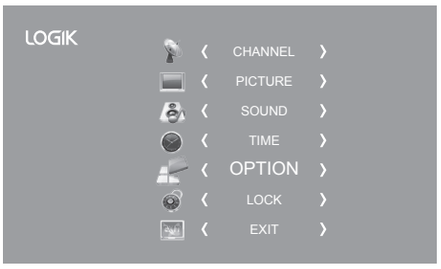
Subtitle	This selection will allow you to zoom in the picture without any alternation, while filling the entire screen with subtitles shown at the bottom of the screen.		This selection will allow you to zoom in the picture without any alternation, while showing subtitles at the bottom of the screen.	

4. Press the **MENU** button to return to the previous menu, press again to return to the main menu.
5. Press the **EXIT** button to exit the menu.

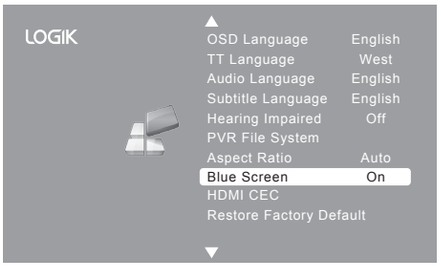
Blue Screen

Allows the blue background to turn On or Off during weak or no signal conditions.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **Blue Screen** and then press the **OK** button to select **On / Off**.
3. Press the **MENU** button to return to the previous menu, press again to return to the main menu.
4. Press the **EXIT** button to exit the menu.

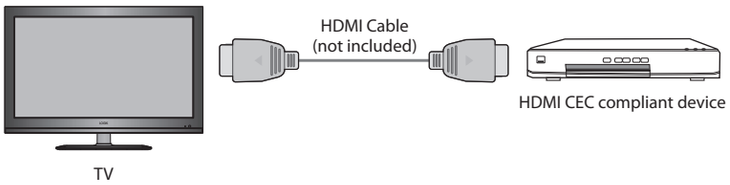


HDMI CEC (Consumer Electronics Control) (HDMI Mode)

Allows you to command and control two or more HDMI CEC compliant devices, that are connected through HDMI, by using only one of the TV remote controls (e.g. controlling a TV set, set-top box and DVD player using only the remote control of the TV). HDMI CEC also allows individual HDMI CEC compliant devices to command and control each other without user intervention.

Make sure that your HDMI CEC compliant device is connected to your TV using a HDMI cable and the correct HDMI input source is selected prior to using this function. (Some HDMI cables may not support HDMI-CEC functions.)

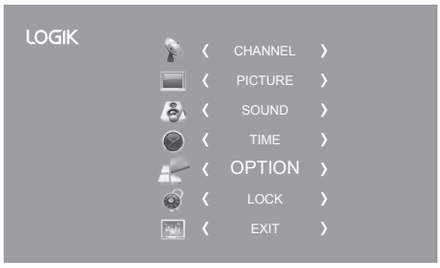
HDMI-CEC Connection



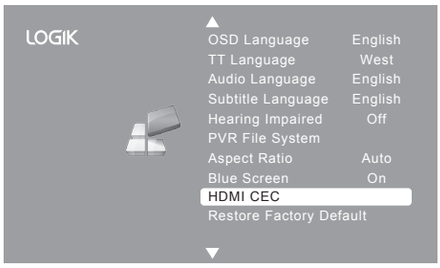
- This unit can only communicate with HDMI-CEC compatible devices.
- To be sure that the HDMI-CEC device has this feature, check to see if there is HDMI-CEC compatible logo on it.

L22FEDN_P_R_W12_IB_120402_Annie.indd 36 12年4月2日 下午3:16

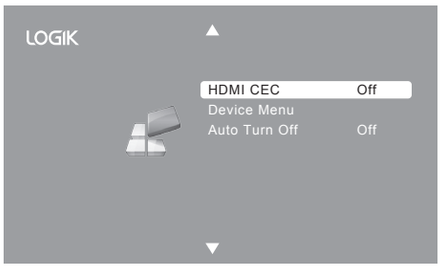
1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **HDMI CEC** and then press the **OK** button.



3. The **HDMI CEC** sub-menu will display.



HDMI CEC	This will allow your TV to communicate with the connected HDMI CEC compliant device. Press the ▲▼ buttons to selec **HDMI CEC** and then press the ◀▶ buttons to turn **On**.
Device Menu	Press the ▲▼ buttons to select **Device Menu**. Press the **OK** button to display the setup menu of the connected HDMI CEC compliant device. You can use the ◀▲▼▶ buttons to navigate through the setup menu (some HDMI-CEC compliant devices may not support this function).
Auto Turn Off	Press the ▲▼ buttons to select **Auto Turn Off** and then press the ◀▶ buttons to turn on. This will allow the connected HDMI compliant device to automatically turn off when you turn the TV to standby mode.

5. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

6. Press the **EXIT** button to exit the menu.

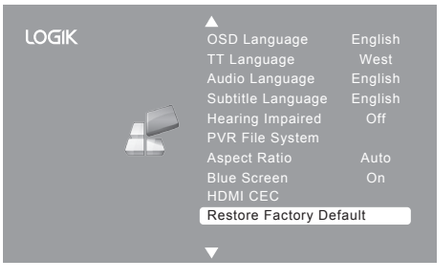
Restore Factory Default

Restores all settings to the factory defaults.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **OPTION** menu and then press the **OK** button.

L22FEDN_P_R_W12_IB_120402_Annie.indd 37 12年4月2日 下午3:16

2. Press the ▲▼ buttons to select **Restore Factory Default** and then press the **OK** button.



3. Press the ◀ button to select "**Yes**". The TV will return to the first time installation menu.
Press the ▶ button to select "**No**" to cancel and return to the main menu.

All channel and user settings will be lost and the TV will revert to "First Time Installation".

Lock Setting

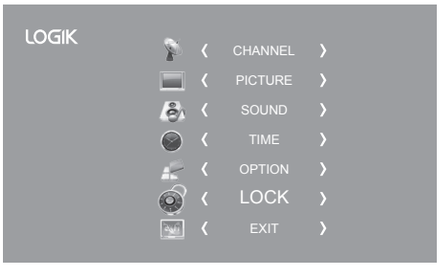
To access the **LOCK** menu, you must enter the password. Enter the default password "**0000**" for first time use. To change the password, refer to "**Change Password**" (see below).

Lock System

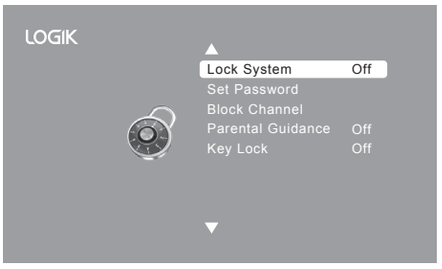
The Lock System is designed to prevent accidental retuning of the TV / losing channels and prevent children watching unsuitable programmes.

The Lock System must be set to On for this function to operate. If the Lock System is set to On, a valid password must be entered when you access Auto Tuning / Manual Tuning / Channel Edit / Restore Factory Default.

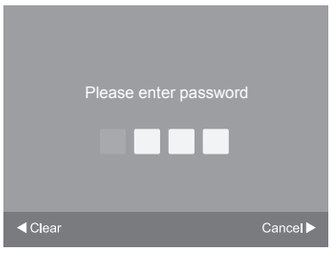
1. Press the **MENU** button and then press the ▲▼ buttons to select the **LOCK** menu and then press the **OK** button.



2. Press the ▲▼ buttons to select **Lock System** and then press the **OK** button.



3. Use the **0-9** buttons to input a 4-digit password to enter the **LOCK** menu.



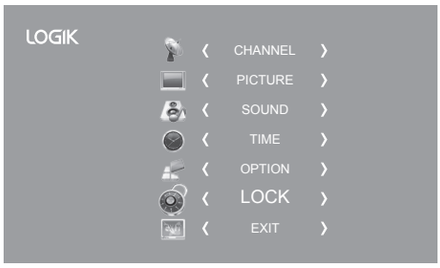
The default password is "**0000**".
If you change the password, be sure to remember the new password! If you forget the new password, enter the master password"**8899**".

L22FEDN_P_R_W12_IB_120402_Annie.indd 38 12年4月2日 下午3:16

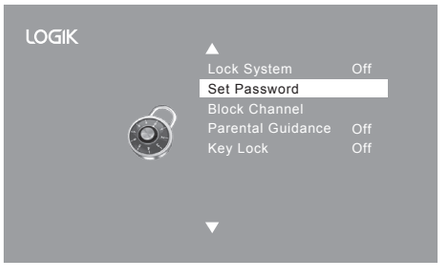
4. Press the ▲▼ buttons to select **Lock System** and then the **OK** buttons to select **On** / **Off**.
   If the Lock System is set to On, a valid password must be entered when you access Auto Tuning / Manual Tuning / Channel Edit / Restore Factory Default.
5. Press the **MENU** button to return to the previous menu, press again to return to the main menu.
6. Press the **EXIT** button to exit the menu.

Set Password

1. Press the **MENU** button and then press the ▲▼ buttons to select the **LOCK** menu and then press the **OK** button.

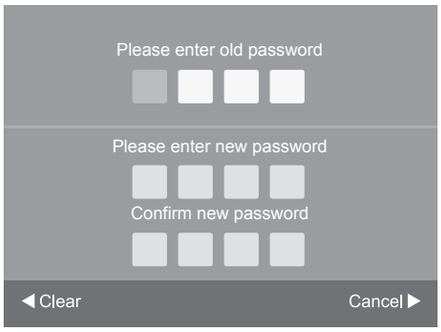


2. Press the ▲▼ buttons to select **Set Password** and then press the **OK** button.



3. Use the **0-9** buttons to input the old password and then input the new 4-digit password. Re-enter new password for confirmation.

   The default password is "**0000**".
   If you change the password, be sure to remember the new password! If you forget the new password, enter the master password"**8899**".



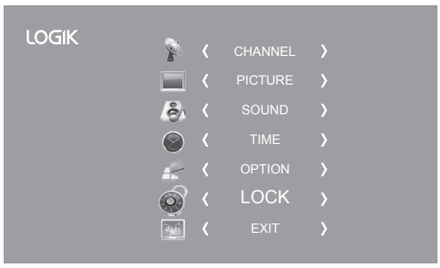
4. Press the ▶ button to return to the previous menu. Press the **MENU** button to return to the main menu.
5. Press the **EXIT** button to exit the menu.

Block Channel

Block Channel is designed to prevent children watching unsuitable programmes.

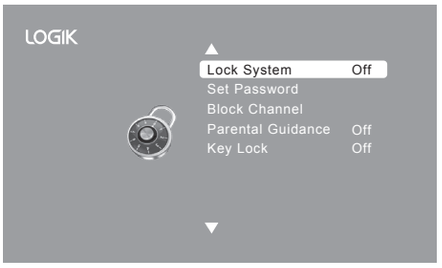
When a channel is blocked, a valid password must be entered.

1. Press the **MENU** button and then press the ▲▼ buttons to select the **LOCK** menu and then press the **OK** button.

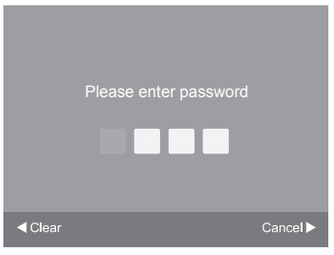


L22FEDN_P_R_W12_IB_120402_Annie.indd 39 12年4月2日 下午3:16

2. Press the ▲▼ buttons to select **Lock System** and then press the **OK** button.

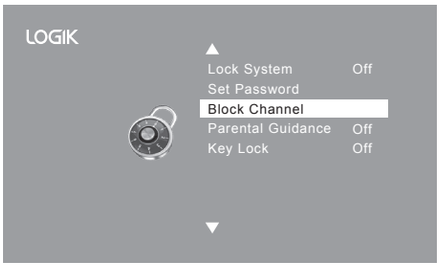


3. Use the **0-9** buttons to input a 4-digit password to enter the **LOCK** menu.



> The default password is "**0000**".
> If you change the password, be sure to remember the new password! If you forget the new password, enter the master password"**8899**".

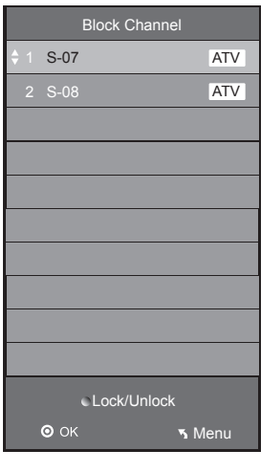
4. Press the ▲▼ buttons to select **Block Channel** and then press the **OK** button.



5. A Block Channel screen will pop up. Press the ▲▼ buttons to select a channel. Press the **GREEN** button on the remote control to block or unblock the channel. Press the **GREEN** button again to unblock.

6. Press the **MENU** button to return to the previous menu, press again to return to the main menu.

7. Press the **EXIT** button to exit the menu.



Parental Guidance

This function allows you to set up blocking schemes to block specific channels and ratings. It operates according to information from the broadcasting station, therefore if the signal has incorrect information, this function will not operate. This allows you to set up blocking schemes to block specific channels and ratings.

This TV is programmed to remember which option it was last set to even if you switch the TV off.

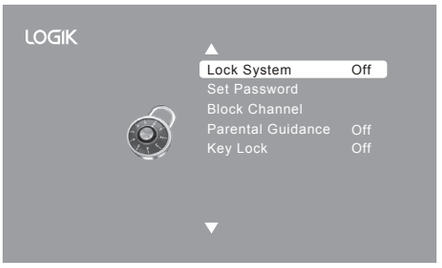
When a programme is locked or rated with delayed state, a valid password must be entered.

---

1. Press the **MENU** button and then press the ▲▼ buttons to select the **LOCK** menu and then press the **OK** button.

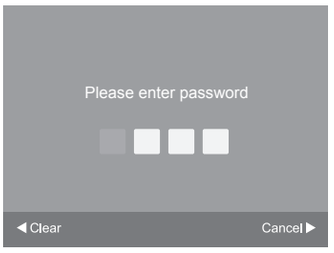
L22FEDN_P_R_W12_IB_120402_Annie.indd 40 12年4月2日 下午3:16

2. Press the ▲▼ buttons to select **Lock System** and then press the **OK** button.

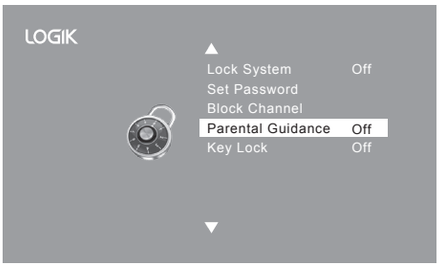


3. Use the **0-9** buttons to input a 4-digit password to enter the **LOCK** menu.

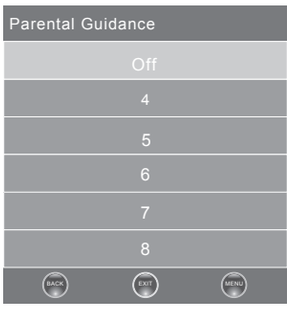
> The default password is "**0000**".
> If you change the password, be sure to remember the new password! If you forget the new password, enter the master password"**8899**".



4. Press the ▲▼ buttons to select **Parental Guidance** and then press the **OK** button.



5. Press the ▲▼ buttons to select an age rating: Off, 4-18. Then press the **OK** button to confirm.
6. Press the **MENU** button to return to the previous menu, press again to return to the main menu.
7. Press the **EXIT** button to exit the menu.

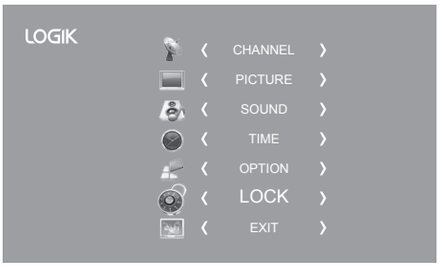


Key Lock

Key Locked is designed to prevent children from pressing the buttons on the TV. The Lock System must be set to On for this function to operate. If the Key Locked is set to On, all buttons on the TV will be locked. All TV operations can be controlled by the remote control only.

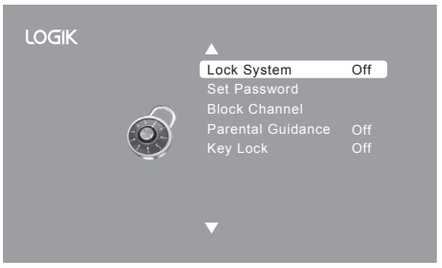
---

1. Press the **MENU** button and then press the ▲▼ buttons to select the **LOCK** menu and then press the **OK** button.



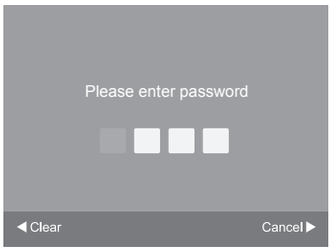
L22FEDN_P_R_W12_IB_120402_Annie.indd 41 12年4月2日 下午3:16

2. Press the ▲▼ buttons to select **Lock System** and then press the **OK** button.

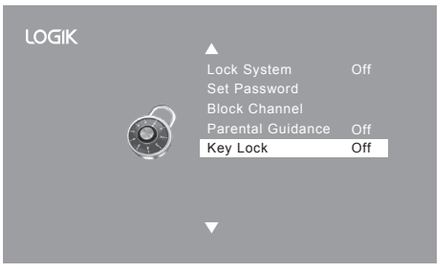


3. Use the **0-9** buttons to input a 4-digit password to enter the **LOCK** menu.

The default password is "**0000**".
If you change the password, be sure to remember the new password! If you forget the new password, enter the master password"**8899**".



4. Press the ▲▼ buttons to select **Key Lock** and then press the **OK** button to select **On / Off**.
5. Press the **MENU** button to return to the previous menu, press again to return to the main menu.
6. Press the **EXIT** button to exit the menu.



L22FEDN_P_R_W12_IB_120402_Annie.indd 42 12年4月2日 下午3:16

EPG (Electronic Programme Guide) (DTV Mode)

This system has an Electronic Programme Guide (EPG) to help you navigate through all the possible viewing options.

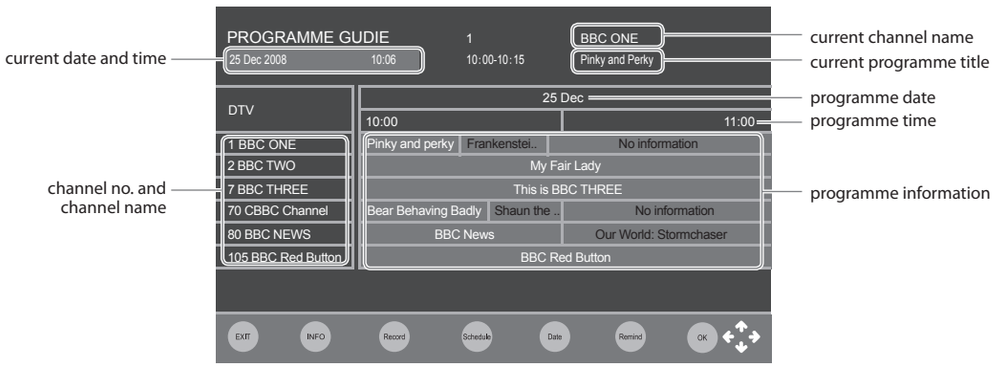
The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of programme information will vary, depending on the particular broadcaster).

This function can be used only when the EPG information is broadcast by broadcasting companies.

The EPG displays the programme details for the next 7 days.

Switch On / Off EPG

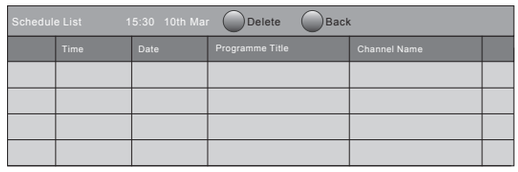
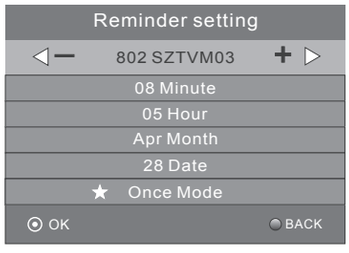
1. Press the **TV GUIDE** button to switch on EPG.
2. Press the **TV GUIDE** button or the **EXIT** button again to switch off EPG and return to normal TV viewing.



Select a Programme

Press the ▲▼ buttons to select the desired channel and then press the ◀▶ buttons to select the desired programme. Press the **OK** button to confirm.

Button Functions in a 7 Days Guide

Remote Control Button	Function
RED (Record)	• **Timer Programming** See page 52 for details on **Timer Programming**. • Press the **RED** button in the **Schedule List** to delete the selected preset reminder.
GREEN (Schedule)	Press the **GREEN** button to view the preset reminders or scheduled recordings in the **Schedule list**. Press the **GREEN** button again to return to the EPG. 
YELLOW (Date)	Press the **YELLOW** button and then press the ◀▶ buttons to view the schedule of the previous / next day. Press the **YELLOW** button again to return to the EPG.
BLUE (Remind)	Press the **BLUE** button while on the selected programme, the **Reminder setting** menu will be displayed. Press the ▲◀▶▼ buttons to adjust the settings and then press the **OK** button to confirm the settings. After confirmation, the **Schedule list** will then be displayed with your preset reminders shown. Press the **GREEN** button to return to the EPG. The TV will automatically tune to the selected programme when it starts. 
INFO	Press to display detailed information of the selected programme (if available).
▲ or ▼	Press to select a channel.
◀ or ▶	Press to select a programme.
OK	Press to confirm and view the selected channel.
TV GUIDE / EXIT	Press to switch off the EPG.

L22FEDN_P_R_W12_IB_120402_Annie.indd 43 12年4月2日 下午3:16

Teletext (ATV Mode)

Teletext is a free service broadcast by some TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics. Using the Teletext control buttons you can view pages of information that are listed in the teletext index.

To Turn on Teletext Function

Make sure the TV channel you are watching transmits teletext.
"No Teletext" sign will show on the screen if teletext is not available.

In ATV mode, press the **TEXT** button to enter Teletext mode.

Press the **TEXT** button once to exit and the TV will return to the channel you were watching.

To select a page of text

Find the number of the page in the index and enter it using the **0-9** buttons. The number of the page will appear on the top left corner of the screen.
The page counter will search for your page. When it finds it, the page will be displayed.
To move to the next page of text, press the ▲ button.
To move to the previous page, press the ▼ button.
To return to the index page, enter the "**100**" by using the **0-9** buttons.

Mix

To view a page of text while watching a TV programme, press the **TEXT** button twice. The text will be superimposed over the TV programme.

Double height text

If you have difficulty reading the text on the TV you can double the height of the text.
Press the **TEXT ZOOM** button. The top half of the page will be displayed in double height text.
Press the **TEXT ZOOM** button again. The bottom half of the page will be displayed in double height text.
Press the **TEXT ZOOM** button again to return to the full page.

Page STOP

If the page of text you have selected contains subpages, these subpages will automatically be displayed in order with a delay to allow you to have enough time to read the page.
To stop the movie to the next sub page, press the **TEXT HOLD** button.
To continue moving through the sub pages, press the **TEXT HOLD** button again.

Fasttext

At the bottom of the teletext screen is a row of subject headings in red, green, yellow and blue.
The remote control has a row of colour buttons corresponding to the row of coloured subjects on the screen.
Pressing one of the colour buttons will take you directly to the page corresponding to the subject heading.

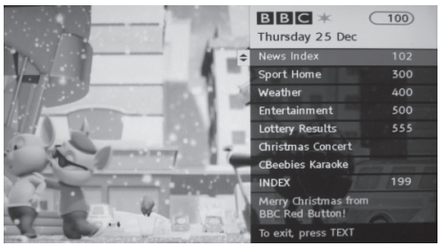
L22FEDN_P_R_W12_IB_120402_Annie.indd 44 12年4月2日 下午3:16

Digital Teletext (DTV Mode)

Digital teletext can access special digital teletext services and specific services which broadcast digital teletext. You will need to turn off **Subtitle Function** before using teletext (refer to page 33 for details).

Teletext within Digital Service

1. In DTV mode press the **TEXT** button to display teletext page.
2. Press the **TEXT** button to display the teletext page.
3. Press the **0-9** buttons to select a page number.
4. Follow the instructions on digital teletext and move onto the next step by pressing **OK**, ▲◀▶▼ , **RED**, **GREEN**, **YELLOW**, **BLUE** or **0-9** buttons etc.
5. To change digital teletext service, select a different service by pressing the **0-9** buttons or the ▲▼ buttons.



Alternative

You may press the **RED** button to display the teletext information when you see a red "press ●" logo in the top right corner of the screen (e.g. BBC services). This will now display the teletext menu and available information categories.

To access the pages, use navigation buttons to highlight item required and press the **OK** button to select.

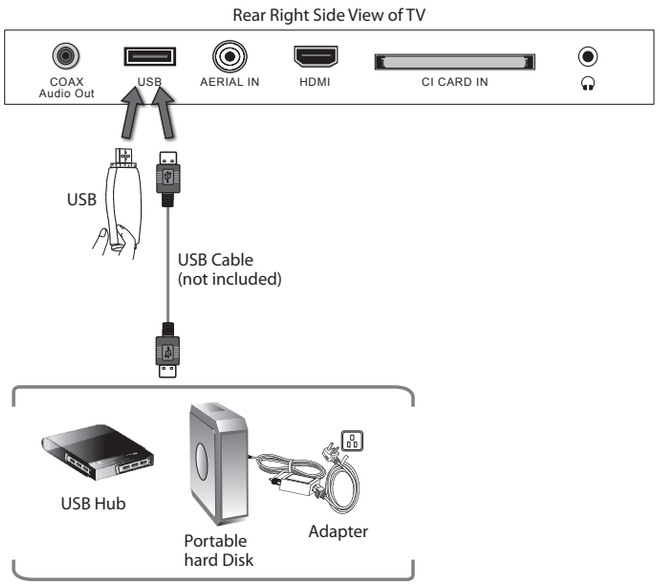
Follow on screen prompts for other functions.

6. Press the **TEXT** button to exit.

L22FEDN_P_R_W12_IB_120402_Annie.indd 45 12年4月2日 下午3:16

Connecting a USB Storage Device

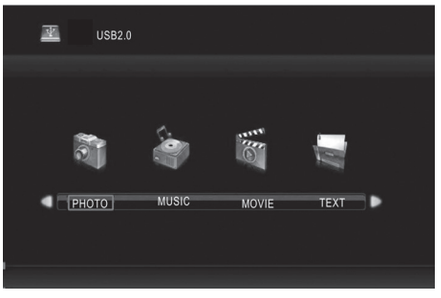
1. Switch off the TV before connecting any USB storage device.
2. Connect your USB storage device to the USB port of your TV.
3. Plug the connected devices into the mains socket before switching on the TV.
4. Press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn on your TV and your USB storage device.
5. Press the **SOURCE** button on the front right side panel of the TV or on the remote control to display the Source List. Use the ▲▼ buttons to select **USB** and then press the **OK** button to confirm.



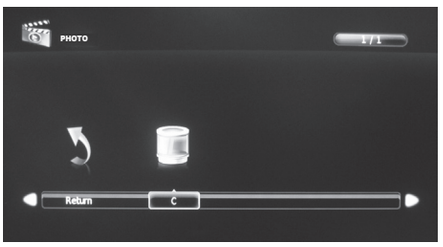
- Some versions of portable hard disk may require more power than the TV USB socket can provide. To ensure correct operation please use the power adapter for that device.
- If a USB hub is used, make sure its mains adapter is connected to the mains supply as the total current consumption may exceed 500mA.
- The maximum supported storage space of the hard disk is 250 GB.
- The file system only supports FAT32 format.
- If you want to store the video streaming of a DTV programme, the transfer rate of the USB storage device must not be less than 5MB/s, otherwise the picture and sound of the programme will be affected and a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device.
- The TV screen will be blank temporarily as it will take time to start up and stabilise the connected hard disk. This is normal and the starting time may vary depending on the brand and the memory size of the connected hard disk.
- Disconnect the USB storage device if it is not in use.

Viewing Photos

1. Press the **SOURCE** button on the front right side panel of the TV or on the remote control then press the ▲▼ buttons to select the **USB** mode and then press the **OK** button.
2. Press the ◀▶ buttons to select **PHOTO** and then press the **OK** button.



3. Press the ◀▶ buttons to select your storage device and then press the **OK** button.

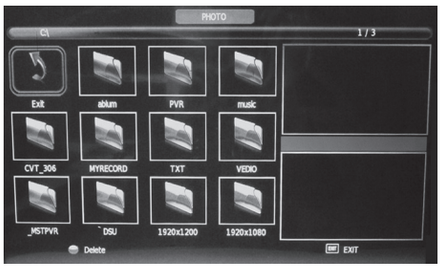


L22FEDN_P_R_W12_IB_120402_Annie.indd 46 12年4月2日 下午3:16

4. Press the ▲◀▶▼ buttons to navigate in the picture folder and then press the **OK** button.

   If you want to select the specified photos, press the ▲◀▶▼ buttons to select the picture file and then press the **OK** button. A tick box will be displayed. If you want to delete the file, press the **RED** button to enter the **Sub Menu** and then press the ◀ button to confirm.

   File format supported: JPG.



5. Press the ▶II button to view.

6. Press the **OK** button or the **INFO** button to display the function bar. Press the ◀▶ buttons and then press the **OK** button to select the function: Pause / Prev. / Next / Stop / Repeat (Repeat All / Repeat Off / Repeat 1) / Music / Playlist / Info / Rotate clockwise / Rotate anti-clockwise / Zoom In / Zoom Out / Move View.

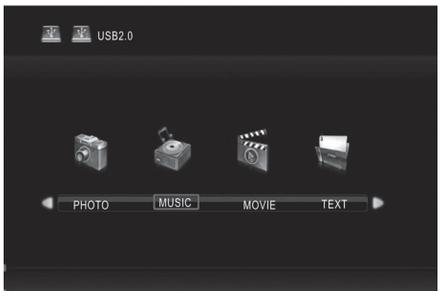
   If this folder also contains music files, you can select a music track to play at the same time you view your photos.

7. Press the **EXIT** button to return to the previous menu.

Listening to Music

1. Press the **SOURCE** button on the front right side panel of the TV or on the remote control then press the ▲▼ buttons to select the **USB** mode and then press the **OK** button.

2. Press the ◀▶ buttons to select **MUSIC** and then press the **OK** button.



3. Press the ◀▶ buttons to select your storage device and then press the **OK** button.

4. Press the ▲◀▶▼ buttons to navigate in the music folder and then press the **OK** button.

   If you want to select the specified music, press the ▲◀▶▼ buttons to select the music file and then press the **OK** button. A tick box will be displayed. If you want to delete the file, press the **RED** button to enter the **Sub Menu** and then press the ◀ button to confirm.

   - Some audio file formats will not be supported.
   - Supported file formats: mp3.

5. Press the ▶II button to start to play.

L22FEDN_P_R_W12_IB_120402_Annie.indd 47 12年4月2日 下午3:16

6. Select the music you want to play, it will show the music information (Album / Title / Bit Rate / Artist / Sampling / Year / Size). Then press the ▶II button to play.

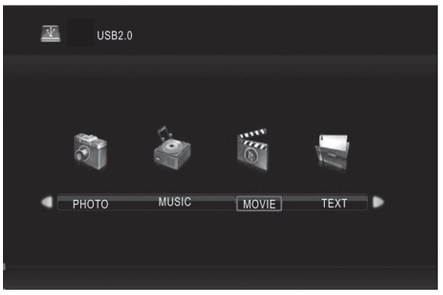
7. Press the ▲▼ buttons and then press the **OK** button to select the function: Pause / FB / FF / Prev / Next / Stop / Repeat All / Playlist / Goto Time.

8. Press the **EXIT** button to return to the previous menu.

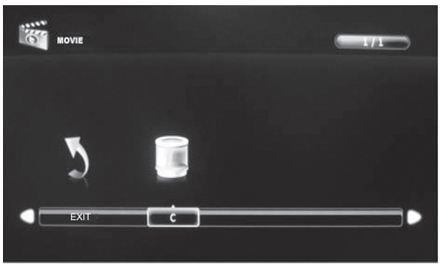
Viewing Movies

1. Press the **SOURCE** button on the front right side panel of the TV or on the remote control then press the ▲▼ buttons to select the **USB** mode and then press the **OK** button.

2. Press the ◀▶ buttons to select **MOVIE** and then press the **OK** button.

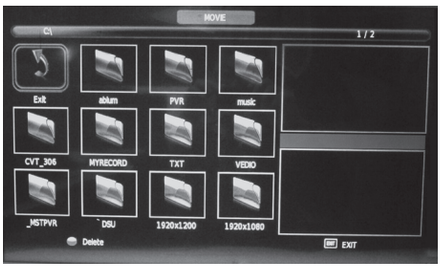


3. Press the ◀▶ buttons to select your storage device and then press the **OK** button.



4. Press the ▲◀▶▼ buttons to navigate in the movie folder and then press the **OK** button.

   If you want to select the specified movie, press the ▲◀▶▼ buttons to select the movie file and then press the **OK** button. A tick box will be displayed. If you want to delete the file, press the **RED** button to enter the **Sub Menu** and then press the ◀ button to confirm.



- Some audio file formats will not be supported.
- Supported file formats: MPEG1/2.

5. Press the ▶II button to view.

6. Press the **OK** button or the **INFO** button to display the function bar. Press the ◀▶ buttons and then press the **OK** button to select the function: Pause / FB / FF / Prev. / Next / Stop / Repeat (Repeat All / Repeat Off / Repeat 1) / Set A / Playlist / Info / Aspect Ratio.

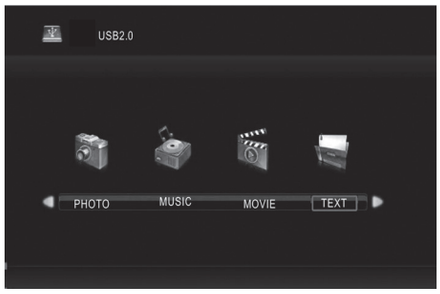
7. Press the **EXIT** button to return to the previous menu.

L22FEDN_P_R_W12_IB_120402_Annie.indd 48 12年4月2日 下午3:16

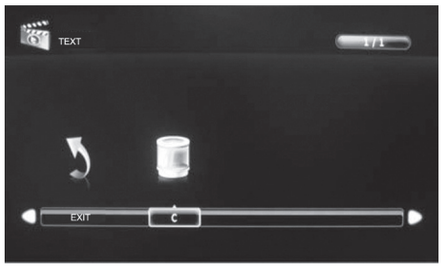
My Text

1. Press the **SOURCE** button on the front right side panel of the TV or on the remote control then press the ▲▼ buttons to select the **USB** mode and then press the **OK** button.

2. Press the ◀▶ buttons to select **TEXT** and then press the **OK** button.

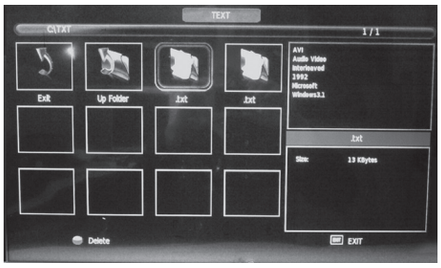


3. Press the ◀▶ buttons to select your storage device and then press the **OK** button.



4. Press the ▲◀▶▼ buttons to navigate in the text folder and then press the **OK** button.

   If you want to select the specified text file, press the ▲◀▶▼ buttons to select the text file and then press the **OK** button. A tick box will be displayed. If you want to delete the file, press the **RED** button to enter the **Sub Menu** and then press the ◀ button to confirm.



5. Press the ▶II button to view.

6. Press the **OK** button or the **INFO** button to display the function bar. Press the ◀▶ buttons and then press the **OK** button to select the function: Prev. page / Next page / Prev. / Next / Stop / Music / Playlist / Info.

   If this folder also contains music files, you can select a music track to play at the same time you view your photos.

7. Press the **EXIT** button to return to the previous menu.

GB

Entertainment

L22FEDN_P_R_W12_IB_120402_Annie.indd 49 12年4月2日 下午3:16

Time Shift Function

This function allows the TV to virtually record the live viewing broadcast programme.

- Time Shift Mode and Recording functions may not work if the signal strength is weak.
- Stop the time-shift function before switching to another input source.

If the transfer rate of the USB storage device is too slow for recording or time shift function, a warning statement will be shown on the screen. If this happens, please upgrade your USB storage device. The minimum transfer speed is 5MB/s.

During normal TV viewing, you may press the ▶II button to virtually pause the live viewing broadcast programme if you want to go out for a while (e.g. going to the bathroom / kitchen). " II " will show on the screen.

When you have returned, press the ▶II button to play the missed broadcast programme. " ▷ " will show on the screen.

The video and sound may have a little bit of delay or be out-of-sync for a few seconds when the unit starts to playback the missed broadcast programme. It will soon turn to normal.

Alternative

Press the **OK** button to display the PVR Time Shift progress bar and then press the ◀▶ buttons to select " ▷ **Play**" on the bar. Press the **OK** button to confirm.

The 'PVR Time Shift Progress Bar'

1. Indicates the status of the currently displayed video (▷ / II / ◀◀ / ▶▶)
2. Indicates the time lagging behind the live broadcast (DVR reviewing)
3. Indicates the available recording time on your USB storage device
4. Indicates the current time

Using the Remote Control

You can shift playback to any point of the virtually recorded programme. The PVR Time Shift progress bar will be displayed on the screen for 15 seconds. Press the **OK** button to display the PVR Time Shift progress bar again.

◀◀ or ▶▶	When playing, • Press the ◀◀ button repeatedly to speed up ◀◀ x 2 / x 4 / x 8 / x 16. • Press the ▶▶ button repeatedly to speed up ▶▶ x 2 / x 4 / x 8 / x 16. • During fast forward / fast backward state, press the ▶II button to return to normal playback.
⏮ or ⏭	• Press the ⏭ button to jump about 10% forward. • Press the ⏮ button to jump about 10% back.
▶II	• During playback, press the ▶II button to display a still screen and then press the ▶II button again to resume playback. • During fast forward / fast backward state, press the ▶II button to return to normal playback.
OK	During playback, press the **OK** button to display a still screen and then press the ▶II button again to resume playback.
■	If you want to exit the PVR Time Shift progress bar and return to the current live broadcast, press the ■ button and then press the ◀ button to confirm.

L22FEDN_P_R_W12_IB_120402_Annie.indd 50 12年4月2日 下午3:16

Recording DTV Programme onto a USB Storage Device

Use this function to record the DTV programme you are watching on the main screen and save it for future viewing.

The recording from timer programme or direct recording may have a little bit of delay when it starts to record the broadcast programme.

Please make sure the USB device is inserted. If not, a warning message will pop up.

---

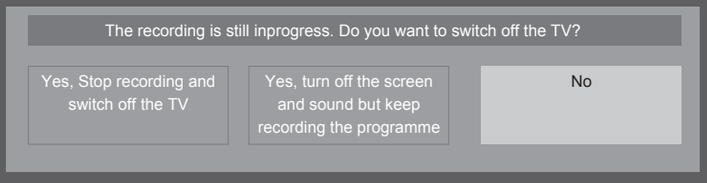
1. Press the ● button to record the programme that you are currently watching.

The recording progress bar will disappear after 15 seconds. To display the recording progress bar again, press the **OK** button or the ● button.

2. Press the ■ button to stop recording.

Recording will stop automatically when the disk is full.

If you want to turn off your TV during recording, press the ⏻ button. A dialogue will display.



Press the ◀▶ buttons to select your desired option and then press the **OK** button to confirm.
If you select the middle option in the box, the screen will turn off but the recording will still in progress, the LED indicator will alternatively flash red and blue.

L22FEDN_P_R_W12_IB_120402_Annie.indd 51 12年4月2日 下午3:16

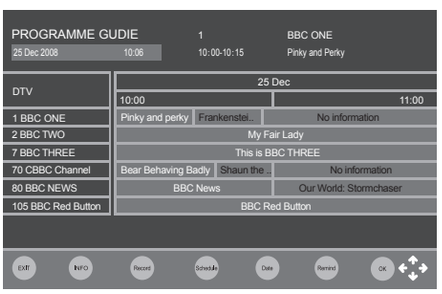
Timer Programming

This function is used to perform scheduled recording.

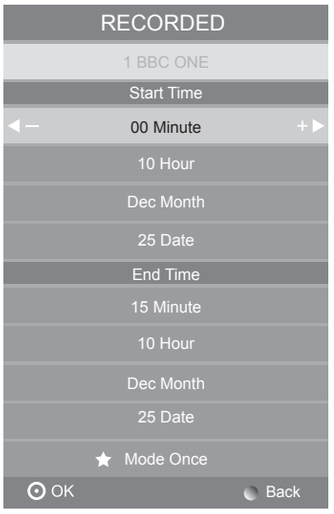
The recording from timer programme or direct recording may have a little bit of delay when it starts to record the broadcast programme.

Please make sure the USB device is inserted. If not, a warning message will pop up.

1. Press the **TV GUIDE** button on the remote control. The **EPG** menu will appear.



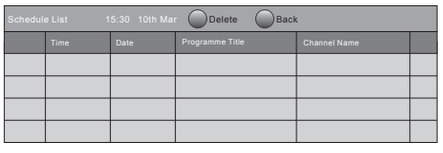
2. Press the ● button or the **RED** button on the remote control while on the selected programme, the **RECORDED** menu will be displayed. Press the ▲◀ ▶▼ buttons to select the settings in the **RECORDED** menu for the Channel, Start time, End time and Mode.



Channel	Press the ◀▶ buttons to select the channel that you wanted to record.
Start time (for Mode Once, Every Day, Weekly)	Press the ▲▼ buttons to select the Minutes / Hour / Month / Date and then press the ◀▶ buttons to adjust the start time.
End time (for Mode Once, Every Day, Weekly)	Press the ▲▼ buttons to select the Minutes / Hour / Month / Date and then press the ◀▶ buttons to adjust the end time.
Mode	Press the ◀▶ buttons to select the Auto / Once / Every Day / Weekly.

3. After finishing all the recorder adjustments, press the **OK** button to confirm your settings. A Timer Save Success screen will display.

4. The **Schedule List** will then be displayed with your preset reminders shown.



5. Press the **GREEN** button to return to the EPG.

6. Press the **EXIT** button to exit EPG.

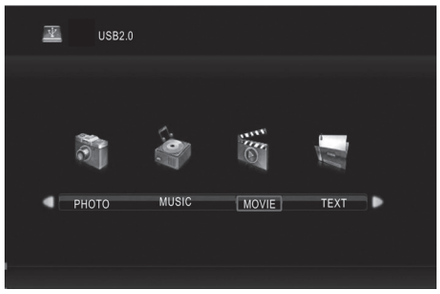
- When the preset time is reached, the TV will start recording automatically.
- If a programme recording starts when the TV is in standby mode, the LED indicator will alternatively flash red and blue.

L22FEDN_P_R_W12_IB_120402_Annie.indd 52 12年4月2日 下午3:16

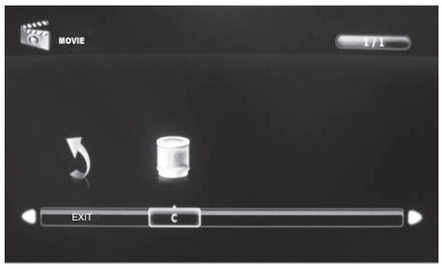
Play Recorded Programme

You can play a recorded programme from the recorded programme list or from a USB Storage Device.

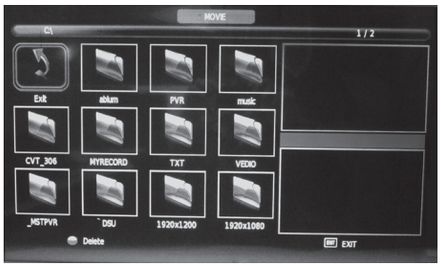
1. Press the **SOURCE** button on the front right side panel of the TV or on the remote control and then press the ▲▼ buttons to select the **USB** mode and then press the **OK** button.
2. Press the ◀▶ buttons to select **MOVIE** and then press the **OK** button.



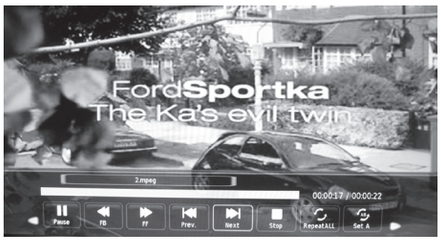
3. Press the ◀▶ buttons to select your storage device and then press the **OK** button.



4. Press the ▲◀▶▼ buttons to select the "**MY PVR**" folder and then press the **OK** button.
5. Press the ▲◀▶▼ buttons to select your recorded programme and then press the **OK** button. A tick box will be displayed. If you want to delete the file, press the **RED** button to enter the **Sub Menu** and then press the ◀ button to confirm. Press the ▶II button to view.



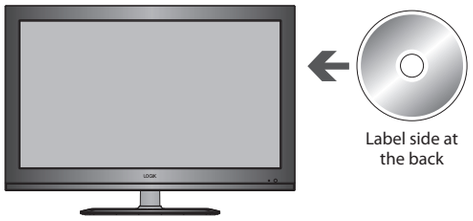
6. Press the **OK** button or the **INFO** button to display the function bar.
7. Press the ◀▶ buttons and then press the **OK** button to select the function: Pause / FB / FF / Prev. / Next / Stop / Repeat (Repeat All / Repeat Off / Repeat 1) / Set A / Playlist / Info / Aspect Ratio.
8. Press the **EXIT** button to return to the previous menu.



L22FEDN_P_R_W12_IB_120402_Annie.indd 53 12年4月2日 下午3:16

Using the Built-in DVD Player

1. Insert a disc with the label side facing towards the rear of the TV. (CD-R, CD-RW, DVD-R, DVD-RW, CD, DVD+R, or DVD+RW) Allow 10 seconds for the player to load the disc. If you insert the disc wrongly, an error message will be displayed.
2. After the disc is inserted, the TV will change the input source to **DVD** automatically and Smart NAVI will show the content of the disc automatically.
3. If the DVD player does not automatically play the disc, press the **SOURCE** button on the front right side panel of the TV or the **INPUT** button on the remote control to display the Source List. Use the ▲▼ buttons to select **DVD** and then press the **OK** button to confirm. Press the ▶II button on the unit or the ▶II button on the remote control to start playing.
4. Press the ⏏ button if you want to remove the disc.



Unable to play disc!

Check label faces rear of TV
Check disc for marks or damage
Check disc is compatible type.

- Only insert 12cm discs. Do not insert or play 8cm discs; they will get stuck.
- Ensure disc is fully ejected before removing it, or else you risk damaging the DVD player.

Compatible Disc Types

Disc Types	Disc Logo	Recorded Content
DVD-VIDEO (Digital Versatile Disc)	DVD VIDEO	AUDIO + VIDEO
DVD±RW (Audio/Video format or JPEG files)	RW DVD+ReWritable	AUDIO + VIDEO + JPEG
DVD±R (DVD Recordable - Audio/Video format or JPEG files)	RW DVD+R	AUDIO + VIDEO + JPEG
CD-R (CD Recordable - Audio/Video format or JPEG files)	COMPACT disc Recordable	AUDIO + VIDEO + JPEG
CD-RW (CD-Rewritable - Audio/Video format or JPEG files)	COMPACT disc Rewritable	AUDIO + VIDEO + JPEG
AUDIO-CD (Compact Disc Digital Audio)	COMPACT disc DIGITAL AUDIO	AUDIO

Supported Formats

JPEG

- The file extensions has to be .jpg and not .jpeg.
- Pictures encoding must comply with JPEG/ISO format.
- This DVD player can only display DCF-standard still pictures or JPEG pictures such as TIFF.

Some recorded files may not be played due to the type and format of the disc or condition of the recording.

Region Code

Both the DVD player and the discs are coded by region. These regional codes must match in order to play the disc. If the codes do not match, the disc will not play.

The Region Number for this DVD player is described on the rear panel of the TV.

Disc Type	DVD-VIDEO
Region code	2

L22FEDN_P_R_W12_IB_120402_Annie.indd 54 12年4月2日 下午3:16

Basic DVD Playback Functions

Playing the DVD

Depending on the disc, a menu may appear on the TV screen once the disc has loaded. When playing the disc, you may use the ▶II button to toggle between Play and Pause mode. This product also supports Menu / Title / Sequential / Programme Playback.

Menu Playback (for DVD)

For DVD discs, the screen will display the DVD Disc Menu (Root Menu).
Press the ▶II button or the **OK** button to start from the highlighted content.
Press the **DVD MENU** button to return to the Root Menu when playing the disc.
For some DVD discs you may need to press the **DVD MENU** button or the **DVD TITLE** button to display the Disc Menu.

Stopping Playback

Press the ■ button once to stop. Press the ▶II button to resume from where you stopped.
Press the ■ button twice to stop. Press the ▶II button to start from the beginning.
In order to protect the disc, press the ■ button and then press the ⏏ button to eject the disc. When the disc is ejected, hold the disc edge slightly and remove it from the disc slot.
When not using the DVD function (in stand-by-mode or using others modes for a long period of time), please take out the disc to protect the DVD loader and the disc.

Previous / Next (for DVD / CD / Multimedia discs)

Press the ⏮ button to play the last Title / Chapter / Track.
Press the ⏭ button to play the next Title / Chapter / Track.

⚠ If the current track is the first one, pressing the ⏮ button will restart the disc from the beginning.
If the current track is the last one, pressing the ⏭ button will stop the playback.

For DVD discs, the above functions may very due to different DVD disc's structure.

Forward / Backward (for DVD / CD / Multimedia discs)

There are 4 speeds for forward. Press the ▶▶ button to toggle between the different forward options in sequence. (FORWARD x 2 / FORWARD x 4 / FORWARD x 8 / FORWARD x 16 / FORWARD x 32 / Play).
Press the ▶II button to return to normal speed playback.
For DVD discs, when selecting backward to first title / chapter, the disc will start from the beginning.

⚠ There will be no sound during forward or backward.

Pause (for DVD / CD / Multimedia discs)

- For CD / JPEG discs, press the ▶II button to pause; press the ▶II button again to resume playback.
- For DVD discs, press the ▶II button to pause; press the ▶II button again to resume playback.

Repeat (for DVD / CD / Multimedia discs)

Press the **REPEAT** button once to display the current repeat mode.

- For CD discs, while playing in sequence, you may use the repeat playback. There are 2 repeat modes, press the **REPEAT** button to toggle between the different repeat functions (REPEAT TRACK / REPEAT ALL / REPEAT OFF).
- For DVD discs, you may setup the repeat playback mode. There are 3 repeat modes, press the **REPEAT** button to toggle between the different repeat functions (REPEAT ALL / REPEAT TITLE / REPEAT CHAPTER).

  For example, if there are two movies on the disc.
  REPEAT ALL: will repeat two movies
  REPEAT TITLE: will repeat only one selected movie
  REPEAT CHAPTER: repeat only one selected chapter of movie
- For MP3 / JPEG discs, while playing the disc, you may use the repeat playback. There are 4 repeat modes, press the **REPEAT** button to toggle between the different repeat functions (REPEAT ONE / REPEAT FOLDER / FOLDER / SINGLE).

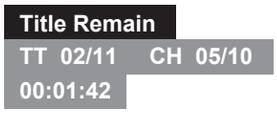
L22FEDN_P_R_W12_IB_120402_Annie.indd 55 12年4月2日 下午3:16

Info (for DVD / CD / Multimedia discs)

Press the **DISPLAY** button to activate the on screen roll-down menu for the current Title, Chapter, Time and other information.

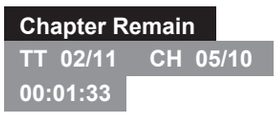
For DVD discs, press the **DISPLAY** button once to display the first page as shown below:

Press the **DISPLAY** button twice to display the second page as shown below:



Press the **DISPLAY** button three times to display the three page as shown below:

Press the **DISPLAY** button four times to display the four page as shown below:



Angle (for DVD)

Allows you to switch the viewing angle of video.

Press the **ANGLE** button repeatedly to select the different angle you want (Only for the discs has this character).

Zoom (for DVD)

Allows you to select the video size of programme stream.

Press the **DVD ZOOM** button to select the size you want.

Goto (for DVD / CD / Multimedia discs)

This function allows you to play your favourite Title / Chapter / Time. Press the **GOTO** button to activate the on screen scroll-down menu for selecting. Input your Title / Chapter / Time by pressing the **0-9** buttons or input the playback time. After editing, press the **OK** button to start. If the input is invalid, it will not function.

For some discs, only **Time** can be selected in the **GOTO** function.

Audio (for DVD / CD)

Press the **AUDIO** button to toggle between different audio modes in sequence.

For CD discs: Stereo / MonoL / MonoR.

Some discs may contain multiple languages which can be selected by pressing the **AUDIO** button.

Repeat A-B (for DVD / CD)

When playing DVD, CD disc, press the **A-B** button to repeat certain content. Press the **A-B** button on the start point (A) and the end point (B) to select the repeat part. Press the **A-B** button a third time to cancel the **A-B** button function and return to normal playback.

L22FEDN_P_R_W12_IB_120402_Annie.indd 56 12年4月2日 下午3:16

Playing Multimedia Discs

After loading the multimedia disc, the disc contents will automatically be displayed and sorted by different file formats into Music / Picture / Video folders.

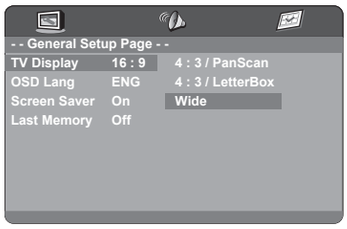
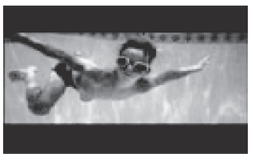
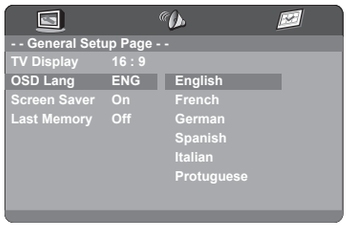
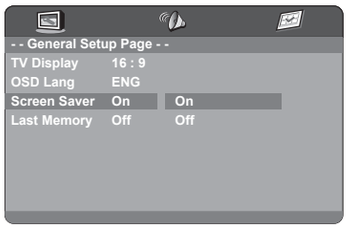
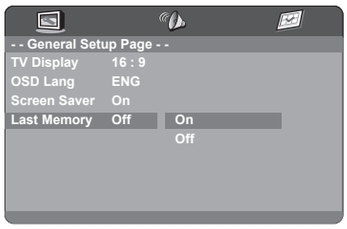
1. Press the ▲◀▶▼ buttons to navigate through the folders and files.
2. Press the **0-9** buttons to select the contents directly (for example, to select track 23, press the **OK** button twice followed by 3).
3. When playing or pausing with picture playback, you may use the ▲◀▶▼ buttons to flip / rotate the picture.

L22FEDN_P_R_W12_IB_120402_Annie.indd 57 12年4月2日 下午3:16

Using the DVD General Setup Page

In the DVD mode, press the **DVD SETUP** button on the remote control. Press the ◀▶ buttons to select the **General Setup Page** menu, and then press the ▲▼ buttons to select the menu options. Press the **DVD SETUP** button to exit the menu.

In Setup mode, the disc playback function will not be available.

	Option	Description
	**TV Type**	**4:3 Pan Scan** Widescreen picture shown in the full screen with some part cut. **4:3 Letter box** Widescreen picture shown in the full screen with black bars on the top and bottom of the screen.  **16:9 Wide** Widescreen picture shown in the full screen.
	**OSD**	Set the OSD language to your language of choice The default language is English.
	**Screen Saver**	When the player stops or the picture becomes motionless for a couple of minutes, there will be a screen saver to prevent damage to the display screen. **ON**: To activate screen saver. **OFF**: To disable screen saver.
	**Last Memory**	**ON**: Shutdown the TV before the settings for memory, re-boot the machine setting. **OFF**: Every time the TV automatically switched back to the default settings.

GB

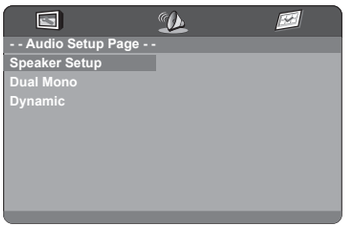
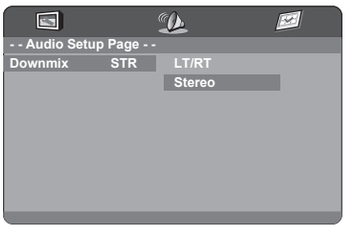
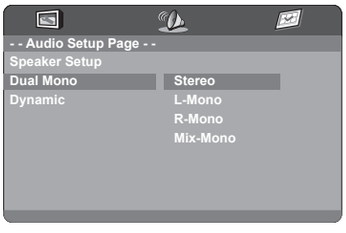
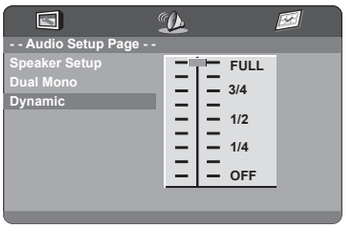
Using the DVD Features

L22FEDN_P_R_W12_IB_120402_Annie.indd 58 12年4月2日 下午3:16

Using the DVD Audio Setup Page

In the DVD mode, press the **DVD SETUP** button on the remote control. Press the ◀▶ buttons to select the **Audio Setup Page** menu, and then press the ▲▼ buttons to select the menu options. Press the **DVD SETUP** button to exit the menu.

In Setup mode, the disc playback function will not be available.

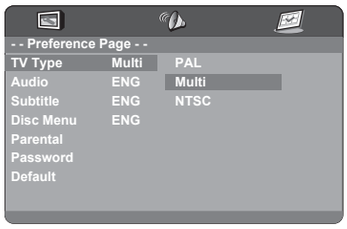
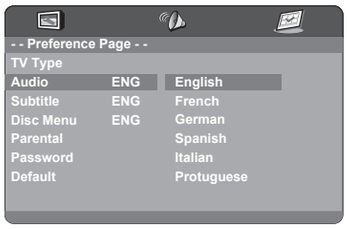
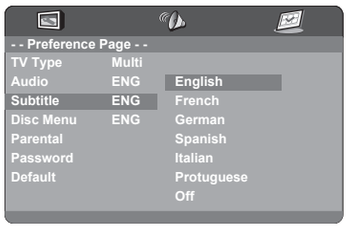
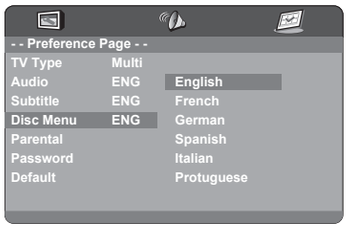
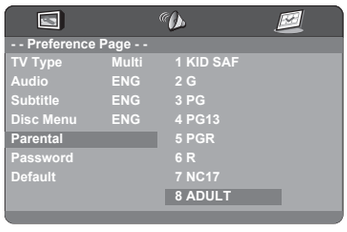
	Option	Description
 	**Speaker Setup / Downmix**	**LT/RT** Mixed stereo LT/RT output. **Stereo** Mixed stereo surround output.
	**Dual Mono**	This is used to select the Stereo, L-Mono, R-Mono and Mix-Mono.
	**Dynamic**	This is used to set the compression ratio in order to control the sound (volume) contrast.

L22FEDN_P_R_W12_IB_120402_Annie.indd 59 12年4月2日 下午3:16

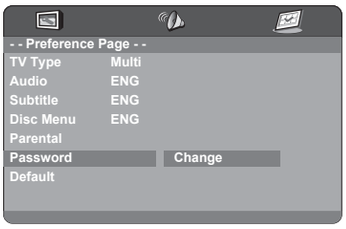
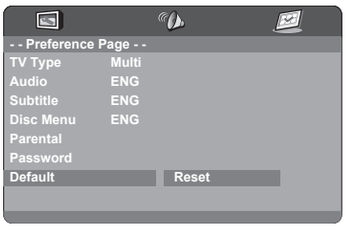
Using the DVD Preference Setup Page

In the DVD mode, press the **DVD SETUP** button on the remote control. Press the ◀▶ buttons to select the **Preference Setup** menu, and then press the ▲▼ buttons to select the menu options. Press the **DVD SETUP** button to exit the menu.

In Setup mode, the disc playback function will not be available.

	Option	Description
	**TV Type**	In order for the disc to play, the colour system of the DVD player, disc and TV should match. **PAL** This is the format used in UK. **Multi** This format can be used if your TV / DVD is capable of both PAL and NTSC formats and this is the default setting. **NTSC** This format is used by some other countries, e.g. USA. PAL format is generally used for TV's in the UK. If NTSC is selected with a non-compatible television, you may experience interference or picture scrolling.
	**Audio**	Set the Audio language to your language of choice. Not all DVD discs support multiple audio languages.
	**Subtitle**	Select the Subtitle language. Not all DVD discs support multiple audio languages.
	**Disc Menu**	Select the Disc Menu language. The default language is English.
	**Parental**	Allows the user to set a maximum rating level for a movie that can be played (e.g. PG rating). Movies rated higher than the level set will not be played. The parental lock can only be changed after inputting the correct password. This function is available only when the discs have ratings encoded on them.

L22FEDN_P_R_W12_IB_120402_Annie.indd 60 12年4月2日 下午3:16

	Option	Description
	**Password**	**Password Change** To change the password, you need to: 1. Input old password. (for initial use, please enter factory default password "**136900**") 2. Input a new 6 digit password and then press the **OK** button to confirm.
	**Default**	**Default** To restore all setup parameters to the factory settings EXCEPT the password. This function is available in stop state or when the tray is opened.

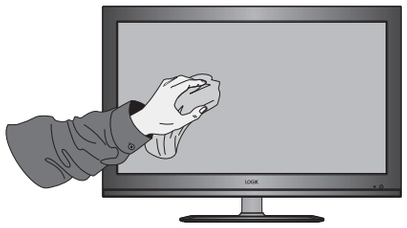
L22FEDN_P_R_W12_IB_120402_Annie.indd 61 12年4月2日 下午3:16

Maintenance

Careful and regular cleaning can prolong the life of your TV.

Be sure to press the **STANDBY** button on the front right side panel of the TV or the ⏻ button on the remote control to turn off the TV. Disconnect the mains adapter from the mains socket before cleaning.

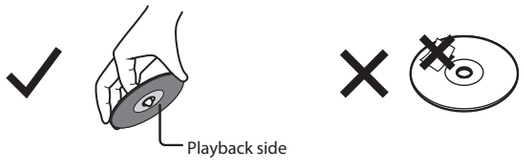
1. Use a soft dry cloth to wipe away the dust from the screen and surfaces.
2. If the surfaces are extremely dirty, clean the TV with a cloth which has been dipped in a weak soapy water. Wring the cloth until it is almost dry, then use it to wipe the TV.
3. Ensure there is no excess water on the screen. Allow any water or dampness to evaporate before switching the TV on.



Never use alcohol, benzine, paint-thinner, cleaning fluid or other chemicals. Do not use compressed air to remove dust.

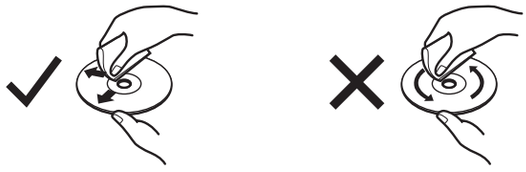
Handling Discs

- Do not touch the playback side of the disc.
- Do not attach paper or tape to the disc.



Cleaning Discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the centre outwards with a soft cloth. Always keep the disc clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray. They may damage the disc.

Storing Discs

- Do not store discs in places subjected to direct sunlight or near heat sources.
- Do not store discs in places subjected to moisture and dust such as a bathroom or near a humidifier.
- Storing discs vertically in a case, stacking discs or placing objects on discs outside of their cases may cause warping.

L22FEDN_P_R_W12_IB_120402_Annie.indd 62 12年4月2日 下午3:17

Hints and Tips

The following table contains various hints and tips to get the best performance from your TV. If you require additional assistance please call our UK Call Centre on **0844 561 1234**. Our UK Customer Contact Centre is open Monday-Saturday 8am-8pm or Sunday 8am-6pm.

The TV does not operate properly.	
The TV does not respond when pressing any buttons	• The TV may freeze up during use. Disconnect the mains adapter from the mains socket for a few minutes. Reconnect the mains adapter and try to operate it again as usual.
TV cannot be switched on	• Check that the TV is connected to the mains supply and the **POWER ON/OFF** switch which is located at the front right side under the frame is switched on. • Make sure all connected AV devices are switched off before switching on your TV.
The remote control does not work	• Check to see if there are any objects between the TV and the remote control causing an obstruction. Ensure that you are pointing the remote control directly at the TV. • Ensure that the batteries are installed with the correct polarity (+ to +, - to -). • Install new batteries.
Power is suddenly turned off	• Check the power of the TV. The mains supply maybe interrupted. • Check if the sleep timer is set. • Check whether the Auto Standby is activated.

The video function does not work.	
No Picture & No Sound	• Check whether the TV is switched on. • Try another channel. The problem may be caused by the broadcaster.
Picture appears slowly after switching on	• This is normal, the image is muted during the TV startup process. Please contact your service centre, if the picture has not appeared after five minutes.
No or poor colour or poor picture	• Adjust the settings in the **PICTURE** menu. • Try another channel. The problem may be caused by the broadcaster. • Check if the video cables are connected properly.
Horizontal / Vertical bar or picture shaking	• Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	• Station or cable channel may be experiencing problems, tune to another station. • Station signal is weak, reposition the aerial for better reception. • Check for sources of possible interference.
Lines or streaks in pictures	• Check aerial (Change the position of the aerial.)
No pictures when connecting HDMI	• Check if the input source is **HDMI**.
Picture appears in wrong ratio	• Adjust the **Aspect Ratio** settings in the **OPTION** menu or press the **ASPECT** button on the remote control.

The audio function does not work.	
Picture OK but no sound	• Press the **VOL** + / – buttons. • Sound muted? Press the **MUTE** button. • Try another channel. The problem may be caused by the broadcaster.
No output from one of the speakers	• Adjust the **Balance** settings in the **SOUND** menu.
Unusual sound from Inside the TV	• A change in ambient humidity or temperature may result in an unusual noise when the TV is switched on or off and does not indicate a fault with the TV.
No sound when connecting HDMI	• Check if the input source is **HDMI**.
Audio noise	• Keep the RF coaxial cable away from the other connected cables.

Password	
Lost password	• Select the **Set Password** setting in the **LOCK** menu, then enter the following master password "**8899**". The master password clears your previous password and allows you to enter a new password.

L22FEDN_P_R_W12_IB_120402_Annie.indd 63 12年4月2日 下午3:17

There is a problem in PC mode.	
The signal is out of range (Invalid format)	• Adjust the resolution, horizontal frequency, or vertical frequency.
Vertical bar or stripe on background & Horizontal Noise & Incorrect position	• Use Auto configure or adjust clock, phase, or H/V position.
Screen colour is unstable or shows a single colour	• Check the signal cable. • Reinstall the PC video card.

The DVD function does not work.	
DVD will not read the disc	• Check if the disc is correctly inserted. • Check that the disc is clean. • Check if there is any obvious damage to the disc. • Try to play the disc on another DVD to check whether it is has content.
DVD does not have the signal	• Check if the TV is in DVD mode.
Lost DVD password	• Select **Password** in the **Preference Page** of **DVD** menu, then enter the following master DVD password "**136900**". The master password clears your previous password and allows you to enter new password.

FAQs (Frequently Asked Questions)	
Why have I lost some / all of my channels?	• It happens sometimes if you have a weak signal. Usually it just means you'll need to rescan your digital box or TV. Don't worry, it easy to do. And once you've done it, you should get all the Freeview channels available to you. If problems persist you may need to get your aerial checked. Talk to your retailer or contact your local aerial installer.
Why do I get 'blocking' on my digital picture?	• In most cases, blocking is caused by a reception problem – either the signal is too weak or there is some kind of interference. Talk to your retailer or contact your local aerial installer. • Blocking can also be caused by a digital signal that is too strong. If you are still experiencing blocking and the signal is strong, consult your local aerial installer for advice.
Can I watch Freeview using a portable set-top aerial?	• Some, but only a few, homes may be able to use a set top aerial. However, for a much better reception, we strongly recommend that you use a rooftop aerial. • If you do not have access to a rooftop aerial – for example, if you rent a flat and the aerial is the responsibility of your landlord, or if you're using a second TV in the bedroom and don't want the hassle and expense of using extension cables, a set – top aerial may be your only option.
What type of aerial do I need?	• If you are installing a new aerial, we recommend a wideband rooftop aerial rather than a loft aerial. Loft aerials generally receive a weaker digital signal and are more likely to get interference from other electrical devices in the home. We suggest you have an aerial survey done before getting an aerial upgrade. • Talk to your retailer or contact your local aerial installer.

L22FEDN_P_R_W12_IB_120402_Annie.indd 64 12年4月2日 下午3:17

Display Modes

The screen resolution has been optimised during production for the display modes listed below.

YPbPr Mode

Resolution	Vertical Frequency (Hz)	Aspect Ratio
480I: 720 x 480	60	Auto / Smart Zoom / Zoom / 16:9 / 4:3 / Full / Subtitle
480P: 720 x 480		
576I: 720 x 576	50	
576P: 720 x 576		
720P: 1280 x 720	50	
	60	
1080I: 1920 x 1080	50	
	60	
1080P: 1920 x 1080	50	
	60	

PC Mode

Please check the display settings of your computer before connecting to the TV. If the display setting of your computer does not match the TV, there may be no video.

Resolution	Vertical Frequency (Hz)	Aspect Ratio
640 x 480	60	4:3 / 16:9 / Full
	72	
	75	
800 x 600	60	
	72	
	75	
1024 x 768	60	
	70	
	75	
1360 x 768	60	
1920 x 1080	60	

HDMI Mode

Resolution	Vertical Frequency (Hz)	Aspect Ratio
480I: 1440 x 480	60	Auto / Smart Zoom / Zoom / 16:9 / 4:3 / Full / Subtitle
480P: 720 x 480	60	
576I: 1440 x 576	50	
576P: 720 x 576	50	
720P: 1280 x 720	50	
	60	
1080I: 1920 x 1080	50	
	60	
1080P: 1920 x 1080	50	
	60	

L22FEDN_P_R_W12_IB_120402_Annie.indd 65 12年4月2日 下午3:17

Specifications

Model	L22FEDN12 / L22FEDP12 / L22FEDR12 / L22FEDW12
Panel System	22 inch LED Panel
Display Resolution	1920 pixels (horizontal) x 1080 pixels (vertical)
Television System	PAL I / BG / DK SECAM L / BG / DK
Brightness	250 cd/m^2
Contrast Ratio	1000 : 1
Power Source	DC12V 3.5A
Energy Efficiency Class	B
Screen Size (measured diagonally)	21.5" (55cm)
Power Consumption (In HOME / STANDBY mode)	37W/ <0.5W
Average Annual Energy Consumption	54.00 kWh / annum
Standby Power Consumption	<0.5W
Operating Temperature	0°C – 50°C
Operating Humidity	10% – 80%
Mercury Content (mg)	X
Presence of Lead	√
Reference Period	2010/1062 – 2011
Speaker Power	2 x 3W, 4OHM
Dimension(W x D x H) with base	530 x 170 x 386 mm
Weight (Net)	4.4 kg
Inputs / Output	
SCART	1
HDMI	1
PC IN	1
PC AUDIO	1
YPbPr	1
Common Interface	1
AV	1
USB	1
ADUIO IN (RCA)	1 (L + R)
AERIAL IN	1
Coaxial	1

Features and specifications are subject to change without prior notice.

L22FEDN_P_R_W12_IB_120402_Annie.indd 66 12年4月2日 下午3:17

L22FEDN_P_R_W12_IB_120402_Annie.indd 67 12年4月2日 下午3:17

Safety Warnings

- Read all the instructions carefully before using the unit and keep them for future reference.
- Retain the manual. If you pass the unit onto a third party make sure to include this manual.
- Check that the voltage marked on the rating label matches your mains voltage.

Damage
- Please inspect the unit for damage after unpacking.
- Do not continue to operate the unit if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains adapter and consult your dealer.

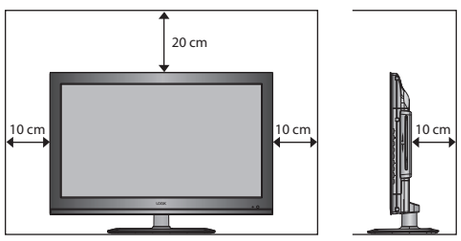
Location of Unit
- The unit must be placed on a flat stable surface and should not be subjected to vibrations.
- Do not place the unit on sloped or unstable surfaces as the unit may fall off or tip over.
- The mains socket must be located near the unit and should be easily accessible.
- This unit is designed for indoor use only.

Temperature
- Avoid extreme degrees of temperature, either hot or cold. Place the unit well away from heat sources such as radiators or gas / electric fires.
- Avoid exposure to direct sunlight and other sources of heat.

Naked Flames
- Never place any type of candle or naked flame on the top of or near the unit.

Moisture
- To reduce the risk of fire, electric shock or product damage, do not expose this unit to rain, moisture, dripping or splashing. No objects filled with liquids, such as vases, should be placed on the unit.
- If you spill any liquid into the unit, it can cause serious damage. Switch it off at the mains immediately. Withdraw the mains adapter and consult your dealer.

Ventilation
- To prevent the risk of electric shock or fire hazard due to overheating, ensure that curtains and other materials do not obstruct the ventilation vents.
- Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.
- Make sure that there is a gap of at least 10 cm on both sides and a gap of 20 cm at the top.



Safety
- Always disconnect the unit from the mains supply before connecting / disconnecting other devices or moving the unit.
- Unplug the unit from the mains socket during a lightning storm.

Mains Adapter Cable
- Make sure the unit or unit stand is not resting on top of the mains adapter cable, as the weight of the unit may damage the mains adapter cable and create a safety hazard.

Mains Adapter
- The mains adapter will continue to draw electricity from the mains supply when plugged in the mains socket. In the interests of safety and to avoid unnecessary energy consumption, never leave the adapter plugged in the mains socket while unattended for long periods of time. Disconnect the adapter from the power supply.

Interference
- Do not place the unit on or near appliances which may cause electromagnetic interference. If you do, it may adversely affect the operating performance of the unit, and cause a distorted picture or sound.

Optimum viewing
- View the unit in moderate light to prevent eye strain. It is recommended to watch the unit from a distance 3-7 times that of the screen height.

LCD screen
- The LCD screen is manufactured using high-precision technology. However, some tiny black points and / or bright points (red, blue or green in colour) may constantly appear on the LCD screen. These points are generated in the manufacturing process and are normal.

Screen Burn
- A characteristic of Plasma and TV Panels is that displaying the same image for a long time may cause a permanent after-image to remain on the screen. This is called screen burn. Most pictures shown on the unit will be constantly moving and fill the screen.
- Examples of images that you need to watch out for are as follows (this is not an all-inclusive list):
  1. **Black Bars:** If black bars appear at the left / right or top / bottom of the screen, it is recommended to change the format so that the picture fills the entire screen.
  2. **TV Channel Logos:** e.g. Shopping channel logos and pricing displays - especially if they are bright and stationary. Moving or low-contrast graphics are less likely to cause ageing of the screen.
  3. **Time Displays**
  4. **Teletext:** Do not view a stationary page for long periods of time.
  5. **TV Menus**
  6. **Pause Mode:** Do not leave the screen in pause mode for long periods of time, e.g. when watching videos.

L22FEDN_P_R_W12_IB_120402_Annie.indd 68 12年4月2日 下午3:17

- To prevent screen burn if viewing any of the above for long periods of time, reduce contrast and brightness when viewing. Once burn-in occurs it will never disappear completely.

Standby

- The ⏻ button on the remote control does not switch off the unit completely. The unit will continue to draw electricity from the mains supply while in standby. In the interests of safety and to avoid unnecessary energy consumption, never leave the unit in standby while unattended for long periods of time, e.g. overnight, while on holiday or while out of the house. Disconnect the mains adapter from the mains socket.

Batteries

- Batteries used in the remote control for this unit are easily swallowed by young children and this is dangerous.
- Keep loose batteries away from young children and make sure that the battery holder tray is secure in the remote control. Seek medical advice if you believe a cell has been swallowed.
- Please dispose of batteries correctly by following the guidance in this manual.
- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Supervision

- Children should be supervised to ensure that they do not play with the unit and the remote control.
- Never let anyone especially children push anything into the holes, slots or any other openings in the case - this could result in a fatal electric shock.

DVD

- **Class 1 Laser Product**

  This unit utilises a laser. Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

- Before moving the unit, ensure the disc tray is empty.
- Always remove the disc when the unit is not in use.
- Failure to do so will risk severely damaging the disc and the unit.
- Do not stack devices, heat from other devices may affect the performance of the unit.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the unit's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

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

Service

- To reduce the risk of electric shock, do not remove screws. The unit does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.
- Do not open any fixed covers as this may expose dangerous voltages.

Maintenance

- Ensure to unplug the unit from the mains socket before cleaning.
- Do not use any type of abrasive pad or abrasive cleaning solutions as these may damage the unit's surface.
- Do not use liquids to clean the unit.
- The wall socket plug is used as a disconnect device, the disconnect device should be readily accessible.
- ⧈ This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.

To prevent the spread of fire, keep candles or other open flames away from this product at all times.

L22FEDN_P_R_W12_IB_120402_Annie.indd 69 12年4月2日 下午3:17

If you require a replacement for any of the items listed below, please quote their corresponding part numbers:

Replacement Part	Part Number	
TV Base	S11191060G (L22FEDW12) S11191061G (L22FEDP12)	S11191052G (L22FEDN12) S11191054G (L22FEDR12)
Main Adapter	S10051231G	
Remote Control	S10090071G (L22FEDW12) S10090073G (L22FEDP12)	S10090072G (L22FEDN12) S10090074G (L22FEDR12)
Battery	S16150012G	
Component Adapter Cable	S09090005G	
Screw A	S15022036G	

Partmaster.co.uk

Visit Partmaster.co.uk today for the easiest way to buy electrical spares and accessories. With over 1 million spares and accessories available we can deliver direct to your door the very next day. Visit www.partmaster.co.uk or call 0844 800 3456 (UK customers only). Calls charged at National Rate.

This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU.

For more information, please contact the local authority or your retailer where you purchased the product.

Rovi Proprietary Rights

This item incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.

Restriction on Use & Rovi Trade Mark Rights

Use of the copyright protection technology contained in this product must be authorised by Rovi Corporation and is intended for home and other limited viewing uses only unless otherwise authorised by Rovi Corporation. The names “Rovi Corporation” and “Macrovision” are protected by trademarks.

Notes for battery disposal

The batteries used with this product contain chemicals that are harmful to the environment. To preserve our environment, dispose of used batteries according to your local laws or regulations. Do not dispose of batteries with normal household waste.

For more information, please contact the local authority or your retailer where you purchased the product.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

The FREEVIEW word and logo are trademarks of DTV services Ltd and are used under licence.
©DTV Services Ltd 2002

The “HD Ready” logo is a trademark of DIGITALEUROPE.

SRS TruSurround HD™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialogue.

TruSurround HD, SRS and the symbol are trademarks of SRS Labs, Inc.

All trademarks are the property of their respective owners and all rights are acknowledged.

DSG Retail Ltd • Maylands Avenue • Hemel Hempstead
Herts • HP2 7TG • England

(P.N.: S17011064G)

L22FEDN_P_R_W12_IB_120402_Annie.indd 71 12年4月2日 下午3:17

L22FEDN_P_R_W12_IB_120402_Annie.indd 72 12年4月2日 下午3:17