TECHNIKA PRO

24" HD Ready 1080p DVD LCD TV

- Sleek Mirror Finish Design
- Freeview built in
- Integrated DVD player
- Built in USB Audio Player USB 2.0 interface

Freeview®
built-in

Model	LCD24-620

User Guide

TECHNIKA PRO

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Thank you for purchasing this Technika PRO HD Ready 1080p DVD LCD TV which has been designed and manufactured to give you many years of trouble-free service.

You may already be familiar with using a similar product but please take time to read these instructions which have been written to ensure you get the very best from your purchase.

Throughout the remainder of this user guide the Technika PRO HD Ready 1080p DVD LCD TV will be referred to as the 'TV'.

HDMI

HDMI (High Definition Multimedia Interface) is the next generation of digital interface. Unlike conventional connections, it transmits uncompressed digital and audio signals using a single cable. This TV supports high-definition video input (720p and 1080i) via the HDMI sockets on the back of the TV.

Safety is Important

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

Keep this information in a safe place for future reference.

In the box

You will find the following:

- **24" HD Ready 1080p DVD LCD TV**
- **User Guide**
- **Remote Control**
- **2 x AAA Batteries**

Note: If any of the items listed are damaged or missing, please contact the TESCO electrical help line on 0845 456 6767.

TECHNIKA PRO

IMPORTANT SAFETY INSTRUCTIONS - READ CAREFULLY BEFORE USE

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

CAUTION! RISK OF ELECTRIC SHOCK DO NOT OPEN.
TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK).
NO USER-REMOVABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

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

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

Keep these instructions.

- Do not use this TV near water.

- Clean only with a slightly damp cloth.

- Do not block any ventilation openings.

- Install in accordance with the supplied this User Guide.

- Do not install or operate near any heat sources such as radiators, stoves, or other apparatus that produce heat.

- Protect the power cord from being walked on or pinched, particularly at plugs, and the point where it exits from the TV.

- Do not allow the power cord to overhang the edge of a table.

- Unplug this TV during lightning storms or when unused for long periods of time.

- To avoid interference, switch this TV off while operating other radio devices in the immediate vicinity.

- Refer all servicing to qualified service personnel. Servicing is required when the TV has been damaged in any way, such as the power cord or plug being damaged, liquid being spilled on or objects have fallen onto the TV, the TV has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING! TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS TV TO RAIN OR MOISTURE. THE TV MUST NOT BE EXPOSED TO DRIPPING AND SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS SHOULD BE PLACED ON THE TV.

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

Caution! Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

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

Important

This TV generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communication. However, this is no guarantee that interference will not occur in a particular installation. If the TV does cause harmful interference to electrical devices, which can be determined by turning the TV off and on,

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the user is encouraged to try to correct the interference by one of the following measures:

• Re-orient or relocate the receiving antenna.

• Increase the separation between the external device and the TV.

• Connect the external device into an outlet on a circuit different from that to which the TV is connected.

• Consult the dealer or an experienced radio/ TV technician for help.

Electrical Information

Mains Supply

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

The mains lead on this equipment may be supplied with a moulded plug incorporating a fuse. Should the fuse need to be replaced, an ASTA or BSI approved BS1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with the cover removed. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. If there is no alternative to cutting off the mains plug, dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

FRONT PANEL

1. IR sensor window

2. Indicator (the indicator is red when in standby mode, and blue when working normally).

3. Mains Switch
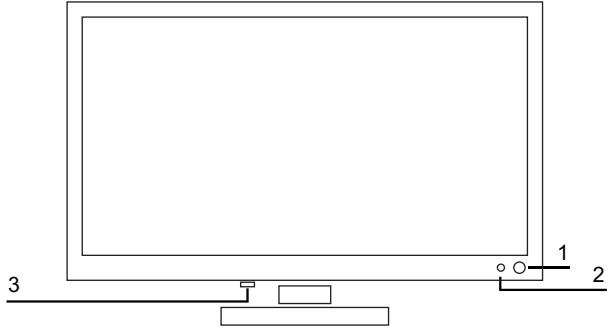
LOCAL KEYBOARD PANEL
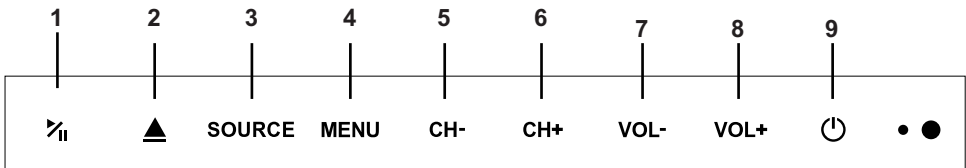
1. Start of play or pause of play
2. Take the disc out
3. Select input source
4. Enter or exit menu
5. Decrease channel number
6. Increase channel number
7. Decrease sound volume
8. Increase sound volume
9. Switch between standby
   and power-on mode

COVER SIDE TO BACK

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SIDE PANEL

1

2

3

4

5

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12

13
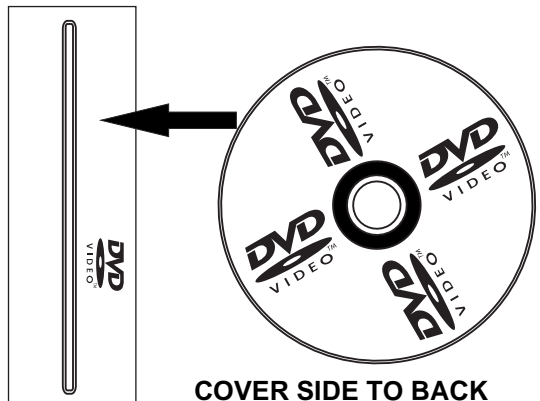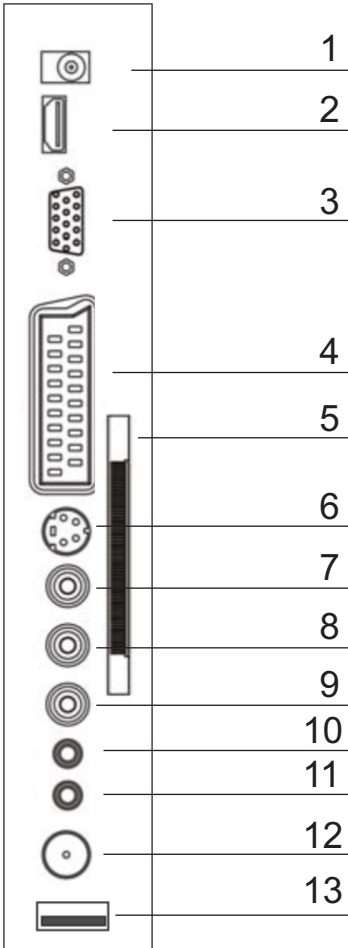
1. 12V DC power input (intended for feeding to the TV using a car battery power or external 12V DC power supply adapter)
2. HDMI input
3. PC VGA input
4. SCART connecting terminal
5. CI connector
6. S-VIDEO input
7. CVBS input
8. CVBS / S-Video Left audio input
9. CVBS / S-Video Right audio input
10. PC audio input
11. Audio Earphone output
12. TV signal input
13. USB connector

⚠️ **WARNING! ENSURE THE TV AND ALL ANCILLARY EQUIPMENT IS UNPLUGGED FROM THE MAINS BEFORE MAKING ANY CONNECTIONS!**

Connecting the TV antenna

Connect the TV antenna to the aerial socket with a 75 ohm co-axial plug. For best results use a high gain TV aerial, preferably roof or loft mounted.

• To improve picture quality in a poor signal area, purchase and install a signal amplifier.

• If the antenna needs to be split for two TV's, use a 2-Way Signal Splitter (not supplied).

Connecting external devices

ℹ️ Note: The TV will connect through the HDMI cable by default. Only use the HDMI cable and one other option. Connecting more than one option may cause interference.

HDMI lead

You can connect this TV to a compatible device using a HDMI lead. This method will give the best picture.

Connect the cable from the HDMI equipment to the TV HDMI socket.

SCART lead

You can connect this TV to a compatible device using a SCART lead. The connection uses component video signals, i.e. the red, green and blue (RGB) content of the video are sent on separate signals.

VGA cable

You can use your TV as a monitor for your personal computer by using a VGA cable. Sound from your personal computer may also be played through the TV. This requires the audio output of the personal computer to be connected to the AUDIO IN connection of the TV.

S-VIDEO lead

You can connect this TV to a compatible device using an S-VIDEO lead.

Component Input (CVBS cables)

You can connect this TV to a compatible device using CVBS cables. Connect the red, white and yellow outputs to the matching coloured inputs on the compatible device. An additional audio input is required.

USB connector

This product has a USB 2.0 interface; you can play music, movie and picture files from USB equipment. USB refers to Universal Serial Bus. Most of the USB devices on the market are USB 1.1 or USB 2.0. There are some types USB 1.1 devices:
Monitors Communication devices, Audio, Human Input Device (HID), Mass storage, Most flash memory, USB HDD etc. Belongs to Mass Storage Class.
Mass Storage Class includes 2 transport manners:
1. USB 1.1 Mass Storage Class Control/Bulk/Interrupt (CBI) Transport
2. USB 1.1 Mass Storage Class Bulk-Only Transport. This unit supports USB 1.1 Mass Storage Class Bulk-Only Transport, we are not sure that other USB devices can be supported! So please find out about the features of USB equipments before using it.

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CONNECTING DIAGRAM

S-VIDEO OUT   HDMI   CVBS OUT   L   R   SCART OUT
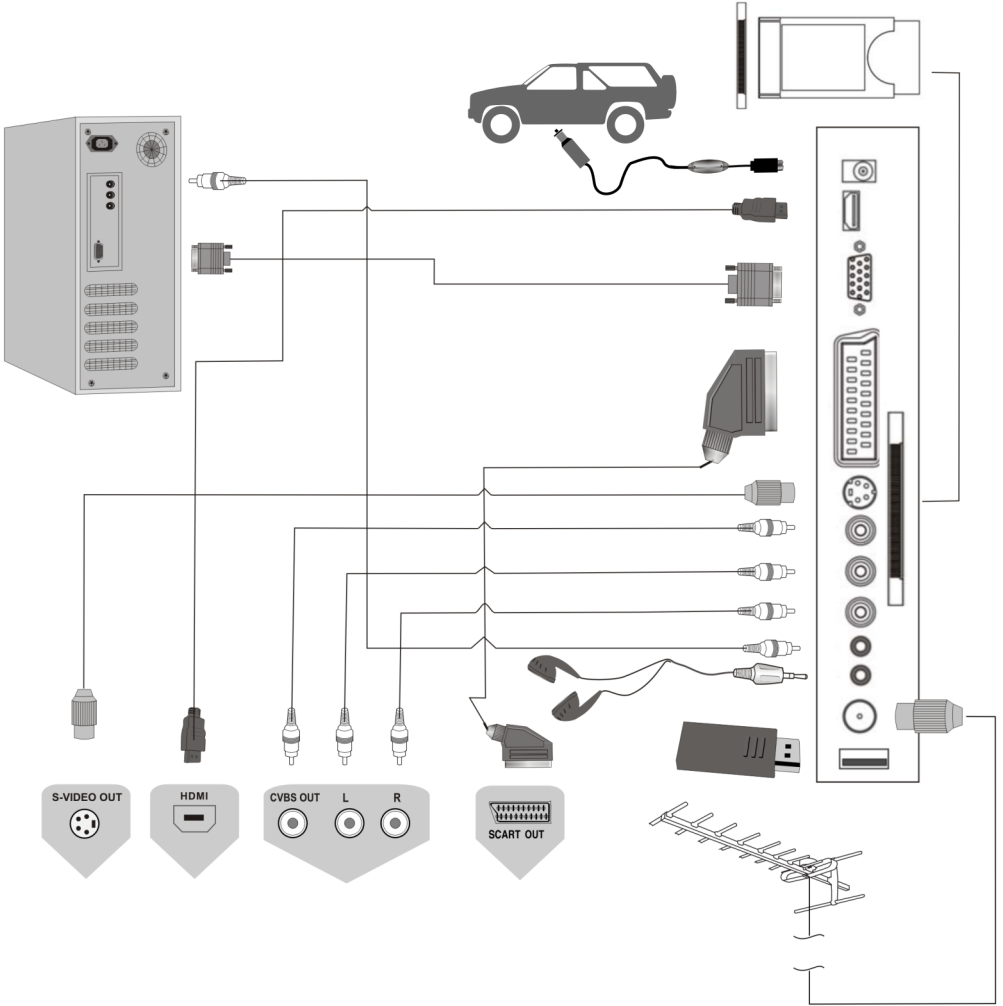
ⓘ NOTE

You should insert all necessary cables BEFORE plugging in the power cord.

COMMON INTERFACE

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

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

WARNING: SWITCH OFF YOUR TV BEFORE ANY MODULE IS INSERTED IN THE COMMON INTERFACE SLOT.

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

CI Slot

CAM

Smart Card

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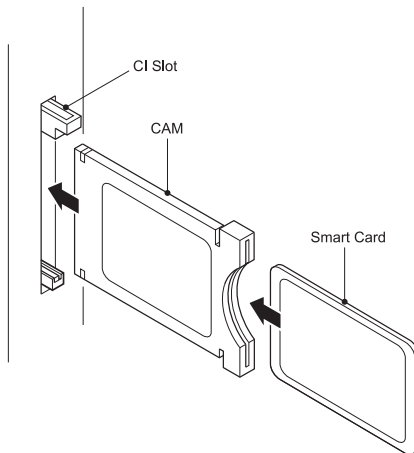
WALL MOUNTING

Suitable for wall mounting - VESA 100 x 100 mm
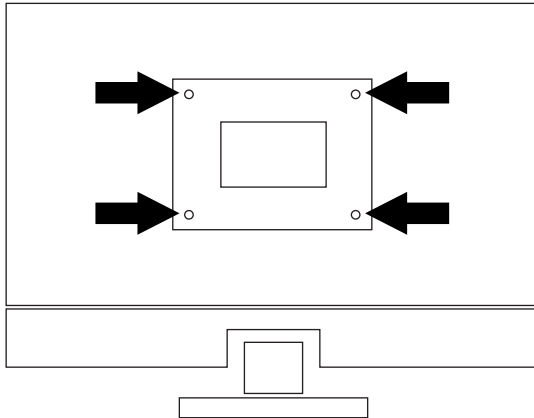
1. The base must first be removed. Place the TV face down.

2. Remove the three screws holding the base in position.

3. Remove and store the base and screws.

4. Use four machine screws (M4 x 10 mm) to mount the TV on the bracket.

Mounting the wall bracket - please refer to the user instructions supplied with the wall bracket (not supplied).

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REMOTE BUTTONS

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1 POWER
To switch between standby mode and power-on mode.

2 MUTE
Sound mute switch.

3 SLEEP
To setup the sleep timer.

4 SCALER
To switch video format between "Auto", "16:9" 4:3, ZOOM1, ZOOM2 (not valid in VGA)

5 GOTO/RED
To play from a certain time point(valid in DVD mode)/select page in analog TV teletext mode /fast enter menu(not valid in digital TV, DVD and FM).

6 A-B/GREEN
To segment repeat(valid in DVD mode)/select page in analog TV teletext mode/Fast enter menu(not valid in digital TV, DVD and FM).

7 REPEAT/YELLOW
To repeat playback(valid in DVD, USB mode)/select page in analog TV teletext mode/Fast enter menu(not valid in digital TV and DVD and USB).

8 ANGLE/BLUE
To change camera angle in DVD mode when playing DVD disc/select page in analog TV teletext mode /Fast enter menu(not valid in digital TVand DVD and USB)

9 TWO-DIGIT number button
To switch between one or two-digit number valid in DVD.
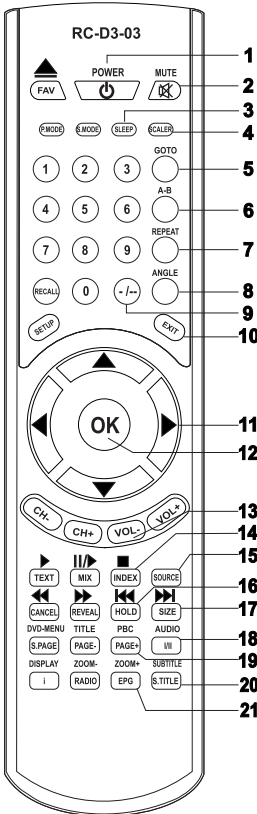
10 EXIT
To exit or back to previous menu.

11 Left/Right cursor(menu adjustment)
To move left/right or adjust the selected item in the menu, or adjust sound volume (not valid in DVD, digital TV).

12 OK button
To confirm the selections.

13 VOL+/-
To increase or decrease sound volume.

14 INDEX/ ■
To display the teletext time in TV mode (not valid for MHEG5).
To display main content page when playing the teletext in analogue TV/To stop playing valid in DVD and USB mode.

15 SOURCE
To select input source: DTV, ATV, DVD, SCART, AV, S-VIDEO, HDM, VGA and USB.

16 HOLD/ ◄◄
To stop teletext on current page in analog TV/To select the previous chapter or track, valid in DVD and USB mode.

17 SIZE/ ►►
To magnify teletext page in analog TV/To select the next chapter or track in DVD and USB mode.

18 AUDIO / I/II
To change the audio language and sound track, valid in digital TV and DVD mode. To switch the audio channel in NICAM/A2 or Mono TV channel(valid in analog TV).

19 PBC/PAGE+
To setup the PBC on/off in DVD mode /browse the next page of teletext in analog TV mode. To zoom in the Picture in USB mode.

20 SUBTITLE
To select subtitle's language or switch to JPEG display mode, valid in DVD and digital TV mode.

21 ZOOM+/EPG
To zoom in to the picture valid in DVD mode/To display the program guide valid in digital TV mode.

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REMOTE BUTTONS

22   EJECT/FAV
Disc in/out ,valid in DVD mode/To switch to favourite list, valid in digital TV mode.

23   S-MODE
To select sound field modes: Music, Film, News and User.

24   P-MODE
To select picture mode: Standard, Dynamic, Soft, User(not valid in VGA mode).

25   Number button
To select program number.

26   RECALL
To swap between a previous program and the current program in analog TV and digital TV.

27   SETUP
To display setup menu, different in different source mode.

28   UP/DOWN cursor
To select up/down in the menu or change the channel, valid in analog TV and digital TV mode.

29   CH+/-
To increase or decrease program number valid in analog TV and digital TV mode.

30   MIX/ ▮▮/►
To display analog TV and teletext in the same time/pause playing/steps playback in pause mode, valid in DVD and USB mode.

31   TEXT/ ►
To enable or disable the function of teletext or MHEG5 /To playback, valid in DVD and USB mode.

32   REVEAL/ ►►
To display the hidden teletext information in analog TV/To fast-forward DVD playback, valid in DVD and USB mode.

33   CANCEL/ ◄◄
To cancel teletext in analog TV/ To fast backward playback, valid in DVD and USB mode.

34   DVD-MENU/S.PAGE
To go to the menu of DVD menu ,valid in DVD mode/To go to the sub page of teletext, valid in analog TV mode.

35   TITLE/PAGE-
To go to the DVD menu, valid in DVD mode/ browse the previous page of teletext in analog TV mode. / To zoom out Picture in USB mode.
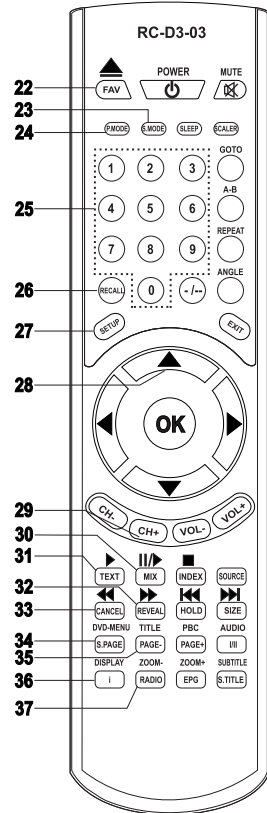
36   DISPLAY
To display track time in DVD mode/Display information in digital TV mode

37   RADIO/ZOOM-
To switch between TV and radio modes, valid in digital TV mode /To zoom out to the picture valid in DVD mode.

RC-D3-03

BATTERY INSTALLATION

Remove the battery cover. Insert two SUM-4(AAA) batteries matching the -/+ polarities of the battery to the -/+ marks inside the battery compartment, as follows:
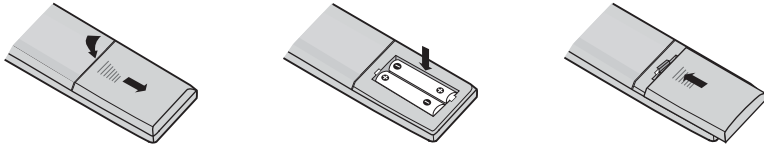
BATTERY LIFE

● Normally, battery can be used for one year.

● If the remote control is still not working, when very near to the TV's remote sensor window, please use new batterys.

● Please use SUM-4(AAA) battery.

ⓘ NOTES

● Never use rechargeable battery.

● Never charge, short-circuit, disassemble and heat the battery, or throw it into fire.

● Pay attention not to fall or knock the remote controller, which will cause damage or function failure to it.

● Do not use a new and an old battery together.

● When not using the remote controller for a long time, please take out the battery to avoid liquid leakage. Before replacing a new battery, please clean the electrolyte in the remote controller.

● If electrolyte splashes into the body, please clean it with water.

> CAUTION：
> Please put the battery into a place children cannot touch. If swallow by accident, please contact your local doctor immediately.

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SWITCHING ON

After the unit has been suitably placed / fixed, on the desk or on the wall, and all necessary cables including the power have been connected, the next you should do is:
Press the [STANDBY] button on the remote control to make the unit switch to power-on mode - you will see the LED indicator turn blue. Now you can enjoy the many features of your new TV.

STANDBY

RC-D3-03

POWER   MUTE
FAV

P.MODE S.MODE SLEEP SCALER

GOTO
1   2   3
A-B
4   5   6
REPEAT

STANDBY

INDICATOR
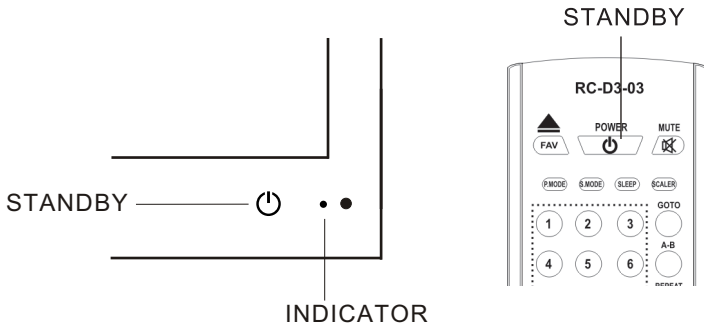
SELECTING SOURCE OPERATION

You can select input source by using source menu. Press [SOURCE] button to show the menu as follows:

Input Source

DTV

ATV

SCART

AV
S-VIDEO

DVD

VGA

HDMI

USB

EXIT   OK
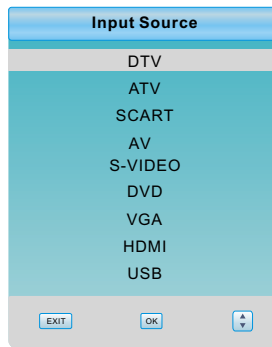
The current source item is highlighted. Press [▲/▼] button on the remote control or [CH+/CH-] key on the front of LCD TV to select your required source. Press [◀/▶] button, [VOL+/VOL-] key or [OK] button to confirm your choice .

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In DTV mode, press [SETUP] button into the main menu and the main menu will show as follows:

● Press [▲/▼] button on the remote control, you can select main menu sections
  (main menu sections consist of) " DTV SETTING " , " PICTURE ", " SOUND " ," FUNCTION ") .
  Press [▶] or [OK] button to enter this menu section.

● Press [▲/▼] button on the remote control to select the item, and then press [◄/►] button to
  adjust parameter value. Press [SETUP] button to return to main menu sections.

DTV SETTING

Select DTV SETTING item to adjust channels.
You may select auto Tuning, Manual Tuning,
Programme Edit, Audio Language, Subtitle
Language, Time and Preference.

DTV SETTING		
Auto Tuning		►
Manual Tuning		►
Programme Edit		►
Audio Language	◄	English ►
Subtitle Language	◄	English ►
Time		
Preference		►

Select   Adjust   SETUP Return

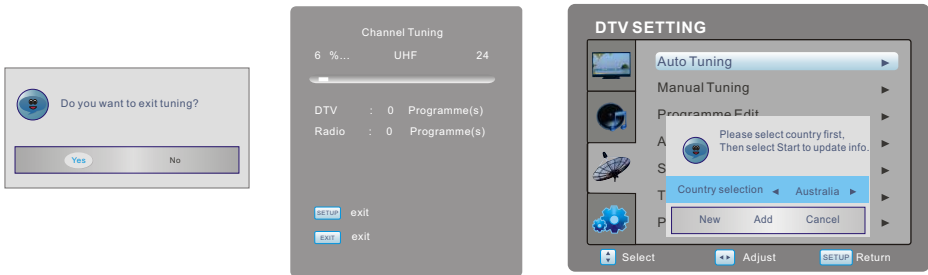■ Auto Tuning item enables you to adjust channel setting automatically.

Channel Tuning

6 %...   UHF   24

DTV   :   0   Programme(s)
Radio :   0   Programme(s)

SETUP   exit
EXIT   exit

Do you want to exit tuning?

Yes   No

DTV SETTING		
Auto Tuning		►
Manual Tuning		►
Programme Edit		►

Please select country first,
Then select Start to update info.

Country selection ◄   Australia ►

New   Add   Cancel

Select   Adjust   SETUP Return

■ Manual Tuning item enables you to change channel settings.

Manual Tuning

VHF   5 104.50MHz

Please select channel then
Press OK to search

NO SIGNAL

Bad   Normal   Good

EXIT   OK   SETUP

■ Programme Edit item enables you to enter submenu.

Programme Edit

DTV 5   five
DTV 16 QVC
DTV 17 UK Gold
DTV 23 bid-up.tv
DTV 25 TCM
DTV 26 UK Style
DTV 27 Discovery
DTV 28 DiscoveryH&L
DTV 32 Cartoon Nwk
DTV 33 Boomerang

DELETE   MOVE   SKIP   FAV

■ Audio Language item enables you to adjust audio language.

Audio Language

MPEG English   L ▶ R ◀
MPEG English   VI

EXIT   SETUP   OK
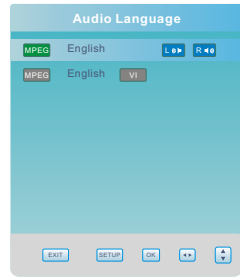
■ Subtitle language item enables you to adjust subtitle language.

Subtitle Language

Off

English

EXIT   OK   SETUP
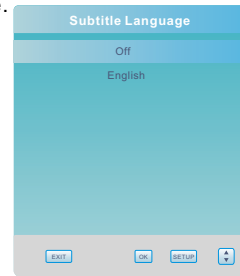
■ Time item enables you to enter submenu.
  ● Clock to adjust the real time.
  ● Time Zone to adjust the time zone from Canary GMT to Berlin GMT+1.
  ● Daylight to adjust summer time off or on.

DTV SETTING

Clock   — —   — —
Time Zone   Canary GMT
Daylight   ◄   Off   ►

⇕ Select   ◄▶ Adjust   SETUP Return
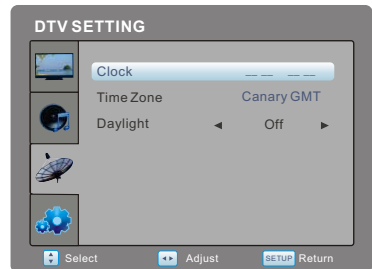
■ Preference item enables you to enter the lock system submenu.

■ Lock System item enables you to lock the auto tuning, manual tuning, programme edit and block programme. if you want to change the lock system, you must enter a password first.

DTV SETTING

Lock System   ◄   Off   ►
Change Password   ►
Blo
Par   Please enter password
CI I   — — —
Hea

⇕ Select   ◄▶ Adjust   SETUP Return

■ Change password item enables you to change the locked password.

DTV SETTING

Lock System	◄	Off ►
Change Password		►

Blo
Pa
CI
He

Please enter password

New   _ _ _ _
Confirm _ _ _ _

▲▼ Select   ◄► Adjust   SETUP Return

■ Block Programme item enables you to set the lock channel.

Block programme

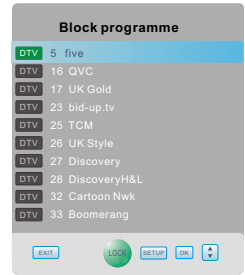| DTV	5	five
DTV	16	QVC
DTV	17	UK Gold
DTV	23	bid-up.tv
DTV	25	TCM
DTV	26	UK Style
DTV	27	Discovery
DTV	28	DiscoveryH&L
DTV	32	Cartoon Nwk
DTV	33	Boomerang

EXIT   LOCK SETUP OK ▲▼

■ Parental Guidance item enables to set guidance (0ff, from 4 to 18).

■ CI Information item enables to read the SMART card information.

■ Hearing Impaired item enables to set the hearing impaired off or on.

DTV SETTING

Lock System	◄	Off ►
Change Password		►
Block Programme		►
ParentalGuidance	◄	Off ►
CI Information		
Hearing Impaired	◄	Off ►

▲▼ Select   ◄► Adjust   SETUP Return

● Favourite List item enables to display favourite channel and select the current channel in the list.

FAVOURITE LIST

DTV	5 five
DTV	16 QVC
DTV	17 UK Gold

EXIT   SETUP OK ▲▼

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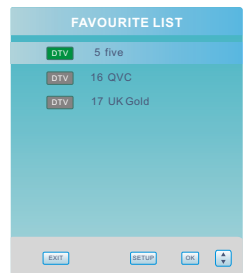
■ ELECTRONIC PROGRAM GUIDE (EPG)

By pressing the EPG button, an Electronic Program Guide is displayed. The EPG supplies information, such as program lists, start and end times of all available channels. In addition, the detailed information about the program is often available in the EPG. (The availability and the amount of program details will vary depending on the broadcaster.)

■ INFORMATION

To obtain more information about present and following events, you can press twice [OK] button. Like previously, the following event is displayed by pressing the [◄/►] buttons (toggle between present and following events):
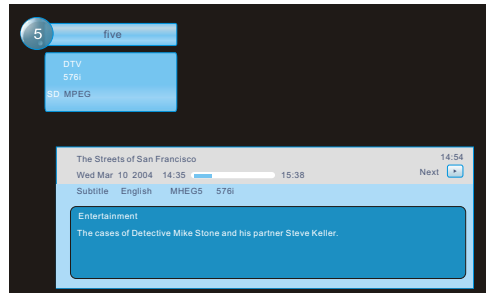
PICTURE

Select PICTURE item to adjust picture parameters. You may adjust Picture Mode, Contrast, Brightness, Colour, Sharpness, Tint and Preference.

■ Picture mode item can be changed between User, Standard, Soft, Dynamic

You may adjust Brightness, Contrast, Colour, Sharpness, Tint for User mode.

■ Preference item enables you to enter the sub menu.
   Colour Temp. item can select colour temperature mode: Standard, Warm, Cool and User.

■ Noise Reduction item can select reduce noise mode: Off, Low, Middle, High.

SOUND

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

- Sound Mode item can be changed between Music, Film, News, User.
- Auto Volume item enables you to adjust off or on for control volume automatic.
- Surround Sound item enables you to select off or on for surround sound.

SOUND		
Sound Mode	◄ User ►	
Treble		75
Bass		50
Balance		50
Auto Volume	◄ Off ►	
Surround Sound	◄ Off ►	

Select | Adjust | SETUP Return

FUNCTION

Select FUNCTION item to adjust function parameters. You may select Language, Sleep Timer, Aspect Ratio, Blue Screen and Restore Setting.

FUNCTION		
Language	◄ English ►	
Sleep Timer	◄ Off ►	
Aspect Ratio	◄ 16:9 ►	
Blue Screen	◄ On ►	
Region	◄ Other ►	
Restore Setting	►	

Select | OK ► Enter | SETUP Return

- Language item enables you to select the OSD language.
- Sleep Timer item enables you to set the sleep timer (Off,10min,20min,30min,60min,90min,120min,180min and 240min)
- Aspect Ratio item can be changed between: Auto,16:9, 4:3, ZOOM1, ZOOM2 Auto,ZOOM1, ZOOM2 not valid for VGA mode.
- Blue Screen item can be changed between On and Off.
- Region item can change between different regions.
- Restore Setting item enables you to reset all values to default.

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TECHNIKA PRO
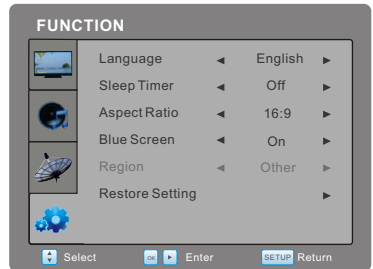
This product can store up to 99-channel programs (1~99). You can select your favourite channel through pressing [CH+/-] or number buttons, and you can scan and store all of the channels through manual or automatic mode.

In ATV mode, press [SETUP] button into the main menu and the main menu will show as follows:

● Press [▲/▼] button on the remote control, you can select main menu sections
  (main menu sections consist of " ATV SETTING ", " PICTURE ", " SOUND " , " FUNCTION ") .
  Press [►] or [OK] button to enter this menu section.

● Press [▲/▼] button on the remote control to select the item, and then press [◄/►] button to adjust parameter value. Press [SETUP] button to return to main menu sections.
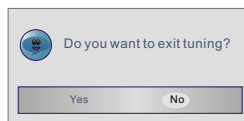
ATV SETTING

Select ATV SETTING item to adjust channels.
You may select Channel, Colour System,
Audio System, Fine-Tune, Manual Tuning,
Auto Tuning and Programme Edit.

■ Channel items enables you to change the channel number.

■ Colour System item enables you to select the colour system: "AUTO", "PAL" and "SECAM".

■ Audio System item enables you to select sound system:"B/G","DK","I" and "L".

ATV SETTING		
Channel	◄	17 ►
Colour system	◄	AUTO ►
Audio system	◄	DK ►
Fine - Tune	◄	224.25MHz ►
Manual Tuning	◄	►
Auto Tuning		►
Programme Edit		►

Select   Adjust   SETUP Return

■ Fine-Tune item enables you to adjust the channel frequency accurately to make the sound and picture effect better.

■ Manual Tuning item enables you to change channel settings.

NOTES

● System will set "AUDIO SYSTEM" automatically. In some special conditions, "AUDIO SYSTEM" setting will be wrong, please adjust manually.

● "COLOUR SYSTEM" and "AUDIO SYSTEM" mode are according to the local ATV broadcasting system.

● If the local system is SECAM L, set the "REGION" to "FRANCE", please refer "Function" in P25.

■ Auto Tuning item enables you to adjust channel setting automatically.

Channel Tuning

9 %… 119.75MHz

TV   :   0   Programme(s)

SETUP exit
EXIT   exit

Do you want to exit tuning?

Yes   No

TECHNIKA PRO

■ Programme Edit item enables you to enter submenu to set channel DELETE, RENAME, MOVE,SKIP, FAV.
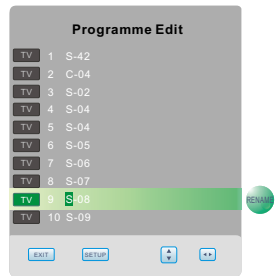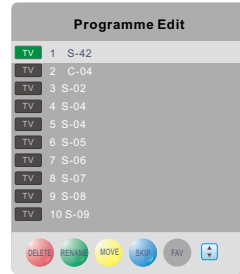
Press RED button to delete channel.

Press GREEN button to rename channel.

Press YELLOW button to move channel.

Press CYAN button to SKIP channel.

Press FAV button to set favourite channel.

Programme Edit

TV	1	S-42
TV	2	C-04
TV	3	S-02
TV	4	S-04
TV	5	S-04
TV	6	S-05
TV	7	S-06
TV	8	S-07
TV	9	S-08
TV	10	S-09

DELETE RENAME MOVE SKIP FAV

Programme Edit

TV	1	S-42
TV	2	C-04
TV	3	S-02
TV	4	S-04
TV	5	S-04
TV	6	S-05
TV	7	S-06
TV	8	S-07
TV	9	S-08
TV	10	S-09

EXIT   SETUP   RENAME

PICTURE

Select PICTURE item to adjust picture parameters. You may adjust Picture Mode, Contrast, Brightness, Colour, Sharpness, Tint and Preference.

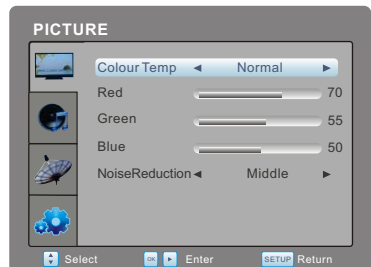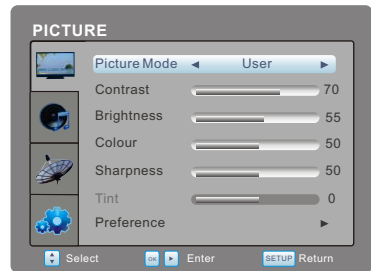■ Picture Mode item can be changed between User, Standard, Soft, Dynamic.

You may adjust Brightness, Contrast, Saturation, Tint for user mode.

i NOTES

● You can't adjust TINT while watching TV channels.
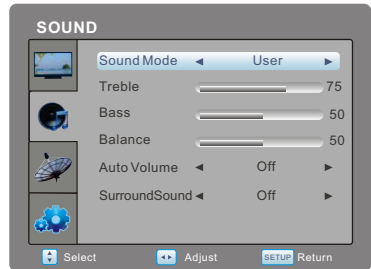
■ Preference item enables you to enter the sub menu.

Colour Temp. item can select colour temperature mode: Standard, Warm, Cool and User.

PICTURE

Picture Mode	◄ User ►	
Contrast		70
Brightness		55
Colour		50
Sharpness		50
Tint		0
Preference	►	

Select   OK ► Enter   SETUP Return

PICTURE

Colour Temp	◄ Normal ►	
Red		70
Green		55
Blue		50
NoiseReduction ◄	Middle ►	

Select   OK ► Enter   SETUP Return

24" HD-Ready 1080p DVD LCD TV **User Guide**

TECHNIKA PRO

SOUND

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

■ Sound Mode item can be changed between Music, Film, News, User.

■ Auto Volume item enables you to adjust off or on for control volume automatic.

■ Surround Sound item enables you to select off or on for surround sound.

SOUND		
Sound Mode	◄ User ►	
Treble		75
Bass		50
Balance		50
Auto Volume	◄ Off ►	
Surround Sound	◄ Off ►	
Select	Adjust	SETUP Return

FUNCTION

Select FUNCTION item to adjust function parameters. You may select Language, Sleep Timer, Aspect Ratio, Blue Screen and Restore Setting.

■ Language item enables you to select the OSD language.

■ Sleep Timer item enables you to set the sleep timer (Off,10min,20min,30min,60min,90min,120min,180min and 240min).

FUNCTION		
Language	◄ English ►	
Sleep Timer	◄ Off ►	
Aspect Ratio	◄ 16:9 ►	
Blue Screen	◄ On ►	
Region	◄ Other ►	
Restore Setting	►	
Select	OK ► Enter	SETUP Return

■ Aspect Ratio item can be changed between: Auto,16:9, 4:3, ZOOM1, ZOOM2 Auto, ZOOM1, ZOOM2 not valid for VGA mode.

■ Blue Screen item can be changed between On and Off.

■ Region item enables you to set the analogue TV region.

■ Restore Setting item enables you to reset all values to default.

25
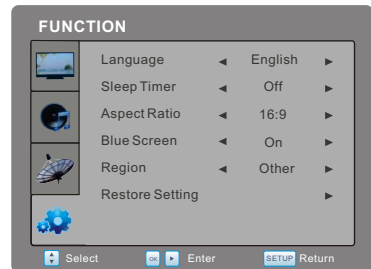
Most TV stations provide cost-free teletext information, including the latest news, weather information, TV program list and stock information etc. You just input the needed teletext page according to the teletext content.

- **TELETEXT DISPLAY**
  - ◆ Select the channel with teletext signal;
  - ◆ Press [TEXT] button;
  - ◆ Select the corresponding page according to the colorized buttons on the remote control;
  - ◆ Press [TEXT] again and TV screen will display.

- **PAGE SELECTION**
  - ◆ You can input 3 digital numbers to enter the page you want to watch through number buttons. If the inputted number is invalid, you need to input correct 3 digital numbers again after you finished inputting this 3 digital numbers.
  - ◆ You can select to turn pages forward or backward through [CH+/-] button.

- **MIX MODE**
  This function may let you enjoy TV and teletext information at the same time.
  - ◆ When a certain teletext page displays, press [MIX] button, TV and teletext information will display on screen at the same time.
  - ◆ Press [MIX] button again and only teletext image displays.
  - ◆ In mix mode, the disturbance lines on teletext characters are easy to appear, so you are not recommended to select this mode.

  Note : Press [CANCEL] button to cancel teletext.

- **LOCK**
  You can press [HOLD] button to lock teletext page. Press this button again to cancel locking.

- **INDEX**
  Pressing [INDEX] button to display content page.
  Enter a certain teletext page through inputting number buttons.

- **ZOOM IN TELETEXT**
  - ◆ When teletext page shows, you may double zoom in to display this teletext page;
  - ◆ Press [SIZE] button to zoom in the upper half part of the teletext page;
  - ◆ Press [SIZE] button again to enter the lower half of the teletext page;
  - ◆ Press this button once more to return to the original display mode.

- **DISPLAY MODE**
  Press [REVEAL] button to display the hidden teletext information. Press this button again to cancel .

- **COLOURIZED BUTTONS (RED, GREEN, YELLOW, BLUE)**
  Select the corresponding teletext page through colourized buttons.

24" HD Ready 1080p DVD LCD TV **User Guide**

VIDEO SETTING MENU

The menu setup of SCART/ S-VIDEO/ HDMI modes is the same as that of the TV mode, except the "⚓ " section . You can find it in preceding pages.

ℹ️ NOTE

If no signal input in DTV, ATV, SCART/ AV / S-VIDEO/ HDMI, the screen will show as below.

This unit will switch to standby mode automatically if there is no signal input more than 5 minutes.

```
        SCART

    NO  SIGNAL

        4:50
```
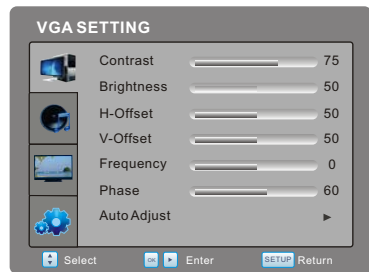
TECHNIKA PRO
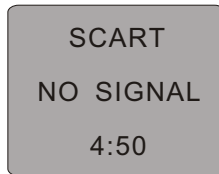
The VGA mode supported up to 1920X1080@75Hz(for 24"), you can use this unit as a multimedia PC monitor. When this unit works in VGA mode, the following setup can be done.

Press [SETUP] button to enter main section. Press [▲/▼] button to select sections and then press [▶] button or [OK] button to enter. If all is complete, please press [SETUP] button twice to exit and your setup data will be saved automatically.

VGA SETTING

Select VGA SETTING item to adjust such parameters as Contrast, Brightness, H-offset, V-offset, Frequency, Phase, Auto Adjust.

VGA SETTING	
Contrast	75
Brightness	50
H-Offset	50
V-Offset	50
Frequency	0
Phase	60
Auto Adjust	▶

Select   OK ▶ Enter   SETUP Return

NOTE

When your PC goes into standby mode, the screen will show as right side. This unit will go into sleep mode if no signal input for 5 minutes. In this mode, the indicator will remain green, and the screen will turn off. You can wake it up by waking up your PC or pressing [SETUP] or [SOURCE] button on the remote control.
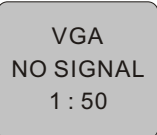
VGA
NO SIGNAL
1 : 50

SOUND

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

- Sound Mode item can be changed between Music, Film, News, User.

- Auto Volume item enables you to adjust Off or On for control volume automatic.

- Surround Sound item enables you to select Off or On for surround sound.

SOUND		
Sound Mode	◄ Standard ►	
Treble		75
Bass		50
Balance		50
Auto Volume	◄ Off ►	
Surround Sound	◄ Off ►	

Select   ◄▶ Adjust   SETUP Return

24" HD Ready 1080p DVD LCD TV **User Guide**

PICTURE

Select PICTURE item to adjust such parameters as Colour, Red, Green, Blue.

■ Colour item can be set to: User, Normal, Warm and Cool.

■ Red, Green and Blue items enables you to adjust RGB value of colour temperature.

ⓘ NOTE

● The picture will be displayed incorrectly while adjusting.
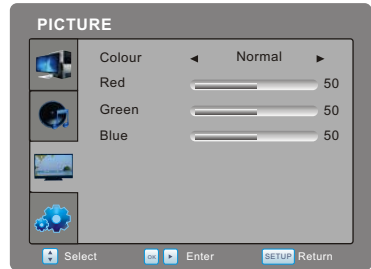
| PICTURE		
Colour	◄ Normal	►
Red		50
Green		50
Blue		50

Select   OK ► Enter   SETUP Return

FUNCTION

Select FUNCTION item to adjust function parameters. You may select Language, Sleep Timer, Aspect Ratio, Blue Screen and Restore Setting.

FUNCTION		
Language	◄ English	►
Sleep Timer	◄ Off	►
Aspect Ratio	◄ 16:9	►
Blue Screen	◄ On	►
Region	◄ Other	►
Restore Setting		►

Select   OK ► Enter   SETUP Return

■ Language item enables you to select the OSD language.

■ Sleep Timer item enables you to set the sleep timer (Off,10min,20min,30min,60min,120min,180min and 240min).

■ Aspect Ratio item can be changed between 16:9 and 4:3.

■ Blue Screen item can be changed between On and Off.

■ Restore Setting item enables you to reset all values to default.

29

PLAYBACK

Press **[SOURCE]** button to select USB source and insert USB equipment, the USB operation menu appears on screen as below.

1

2

3

4

5

\SUBTITLE\	
1.avi	

Size: 4240K Bytes

EXIT EXIT   ON ENTER   SELECT
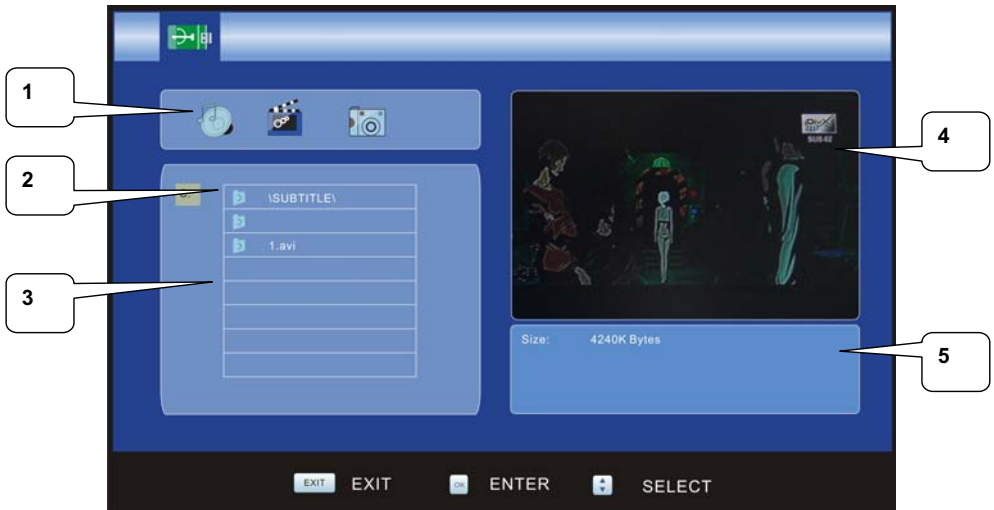
1: State window   Display the current playing mode.
2: DIR window   Display the path.
3: File window   Display the current path's file.
4: Preview window   Movie playing or image preview window.
5: Information window   Display the current file's information.

Press [◄/►] to select playing mode and press **[OK]** button to enter.

Thus current playing mode is highlighted.

Item	description
🕐	Music mode
🎬	Movie mode
📷	Photo mode

24" HD Ready 1080p DVD LCD TV **User Guide**

Notes:

1. This product supports MP3, MPEG1, MPEG2, AVI, JPEG and BMP format files.

2. The file system supports FAT16, FAT32 and NTFS.

3. MTP (Media Transfer Protocol) is not supported.

4. Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB compatibility problem.

5. Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. The manufacturer is not responsible for any data file damage or data loss.

6. Do not disconnect the USB device while it is loading.

7. If you want to change playing mode, firstly you have to exit current playing mode through pressing **[EXIT]** button.

8. The higher the resolution of the image, the longer it takes to display on the screen.

9. For unsupported or corrupted files, the 'Unsupported format' message is displayed.

PLAY MUSIC

1. Press **[◄/►]** button to select " 🔵 "item and press **[OK]** button to enter.

2. Press **[▲/▼]** button to select the directory you desire and press **[OK]**

button to confirm. Select " 🔷 " item and press **[OK]** button to return previous

path.

3. Press **[▲/▼]** button to select the file you desire and press **[OK]** button to confirm.

4. Press **[ⅠⅠ/►]** button to pause playing and press **[►]** button to resume.

5. Press **[■]** to stop playing.

6. You can set the repeat mode. Press **[REPEAT]** button to set the mode: off, repeat one or repeat all.

Press **[EXIT]** button to exit music mode.

PLAY MOVIE

1. Press **[◄/►]** button to select " 🎬 "item and press **[OK]** button to enter.

2. Press **[▲/▼]** button to select the directory you desire and press **[OK]**

button to confirm. Select " 🔷 " item and press **[OK]** button to return previous

path.

3. Press **[▲/▼]** button to select the file you desire and press **[OK]** button to confirm.

4. Press **[►]** button to play full screen, and exit full screen by pressing **[■]**or **[EXIT]** button.

24" HD Ready 1080p DVD LED TV **User Guide**

OPERATE IN FULL SCREEN STATE

1. Press **[SETUP]** button to enter into the main menu. The menu setup is the

same as AV mode. You can find it in preceeding pages.

2. Press [**II/►**] button to pause playing/steps playback in pause mode and

press 〔 **►** 〕 button to continue playback.

3. Press 〔 **►►** 〕 button and the unit begins fast forward playback.

Press 〔 **►►** 〕 button each time and the program playback speed switches in the
following sequence circularly:

Play -> 2x fast forward ->4x fast forward->play

4. Press 〔 **◄◄** 〕 button and the unit begins fast backward playback.

Press 〔 **◄◄** 〕 button each time and the program playback speed switches in the

following sequence circularly:

Play -> 2x fast backward ->4x fast backward->play

5. Press 〔 **I◄◄** 〕 〔 **►►I** 〕 button can turn to the last or next page.

6. When playing a movie or photo, press the [**TITLE/PAGE-**]/

[**PBC/PAGE+**] button can open the zoom in/out function

1. Press the [**PBC/PAGE+**] button continually, all the magnified modes
display on the screen in sequence.

2. Press the [**TITLE/PAGE-**] button continually, all the minified modes display

on the screen in sequence.

Press **[EXIT]** button to exit movie mode.

PLAY PHOTO

1. Press [◀/▶] button to select " 🔘 " item and press [OK] button to enter.

2. Press [▲/▼] button to select the directory you desire and press [OK]

button to confirm. Select " 🔘 " item and press [OK] button to return previous

path.

3. Press [▲/▼] button to select the file you desire and press [OK] button to confirm.

4. Press [▶] button to play full screen, and quit full screen by pressing [■]

or [**EXIT**] button.

OPERATE IN FULL SCREEN STATE

1. Press **[SETUP]** button to enter into the main menu. The menu setup is the same as AV mode. You can find it in preceding pages.

2. Press [◄◄] [►►] button can turn to the last or next page.

3. When playing a movie or photo, press the [TITLE/PAGE-]/

[PBC/PAGE+] button can open the zoom in/out function

①.Press the [PBC/PAGE+] button continually, all the magnified modes

display on the screen in sequence.

②.Press the [TITLE/PAGE-] button continually all the minimised modes

on the screen in sequence.

Press **[EXIT]** button to exit photo mode.

BRIEF INTRODUCTION

DVD provides brand-new AV effect for consumers with its extraordinarily large capacity and outstanding audio-video effects. Its capacity is as high as 4.7-17 GB (approximately 7-26 times the CD capacity) and horizontal resolution of picture is above 500-line.

Comparison between DVD and other Discs

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

Function Introduction

● Multiple languages and subtitles
  DVD disc can support as many as 8 dubbing languages and 32 subtitle languages.

● Multiple story plots
  User can select to play the desired plots (the beginning, development or ending) of the same disc.

● Multiple aspect ratios
  Multiple aspect ratios support various TV screens.

Disc Pictures	TV Screen		
	4:3		16:9
	Pan-Scan	Letterbox	
4:3			
16:9			

FEATURES

This player employs the new generation MTK decode chip with more convenient system and more stable operation. Super error correction slot-in loader with twin laser with good shockproof performance.

■ Brand-new AV Effects

❶ Compatible with MPEG 4 format discs to produce wonderful pictures.

❷ 108MHz/12bit video DAC with more vivid and brilliant pictures.

❸ Progressive-scan video outputs to eliminate the flickers not rectified by interlacing scan and therefore your eyesight will be well-protected. At the same time, the pictures definition is sharply enhanced and the pictures will be finer, smoother and more stable.

■ Convenient Functions

❶ Direct entry into desired scenes (title/chapter/time/track search).

❷ Multi-level zoom in/out playback function to provide you with brand-new enjoyment method.

❸ Multiple aspect ratios to fit TV sets of various screen ratios.

❹ Parental lock function to prevent children from watching unsuitable discs.

❺ Multiple dubbing languages and subtitle languages bring you the best entertainment status all the time.

■ Super compatible with VCD, SVCD, CD, HDCD, KODAK PICTURE CD etc.

ⓘ **NOTE:** * Some discs labelled with MPEG4 on the market actually are *.rm/*.ra/*.ram/*.rmm and others which are not compatible. Please take care when buying discs.

COMPATIBLE DISC TYPES

Types	Sizes	Recorded Contents
DVD VIDEO	12cm	DVD: Compressed digital audio + compressed digital video (dynamic picture)
SVCD	12cm	SVCD: Compressed digital audio + compressed digital video (dynamic picture)
MPEG4	12cm	MPEG4: Compressed digital audio + compressed digital video (dynamic picture)
COMPACT **disc** DIGITAL VIDEO	12cm	VIDEO CD: Compressed digital audio + compressed digital video (dynamic picture)
COMPACT **disc** DIGITAL AUDIO	12cm	CD-DA: Digital audio

ⓘ NOTES

● Issues related to   DVD   MPEG4   SVCD   VCD   CD

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

DVD   Applies to DVD disc

VCD   Applies to VCD disc

MPEG4   Applies to MPEG4 disc

CD   Applies to CD disc

SVCD   Applies to SVCD disc

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

● This model supports DIVX playback, but with data rate of up to 10Mbps.

Region code

If the region code of the disc being played does not match the region code of this DVD player then the disc cannot be played. If you do try to do this a region violation notice will appear on the screen.

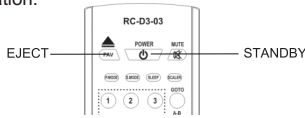The region code for this player is region 2 (refer to the symbols below).

ALL   **2**   **1 2**   **1 2 3 4**

PLAYBACK

DVD MPEG4 SVCD VCD CD

1. Power on and switch signal source to DVD mode and the unit begins to work.

2. Place the disc (with label side facing user) to the door and the unit will draw in the disc automatically.

- The unit begins to read disc information.

EJECT — RC-D3-03 — STANDBY

3. Press [PLAY] button to begin playing disc.

- When the unit is playing a disc, press [▶] button the first time and the unit enters pause state, while press [▶] button again and the unit resumes playback.

4. Press [STOP] button to stop playing.

- When the unit is playing a disc, press [■] button the first time and the unit enters pre-stop state, while press [■] button again and the unit enters stop state.

- At the pre-stop state, if you press [▶] button, the unit will continue to play from the stopped point.

- At the stop state, if you press [▶] button, the unit will play from the beginning point of the disc.

- Press [■] button when playing MPEG4 discs and the unit enters stop state directly.

5. Press [▲] button to take out disc.

6. When finishing playing, switch signal source to other working state and press [⏻] button to make the unit enter standby state. Please pull out the power plug from power socket when not using the unit for a long time.

- [▲] button is effective only when selecting DVD signal source. In other signal source, such as TV, AV, etc, this button is invalid.

VOLUME CONTROL

DVD MPEG4 SVCD VCD CD

1. Press [VOL+/VOL-] buttons to adjust volume.

2. Press [VOL+/VOL-] buttons on the remote control of this unit.

- Press [VOL+] button to increase volume; press [VOL-] button to decrease volume; the maximum volume is 100.

PLAY

VOL+/−

STOP

24" HD Ready 1080p DVD LCD TV **User Guide**
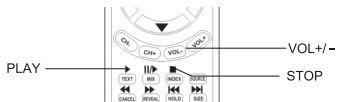
VCD, SVCD MENU PLAYBACK

SVCD   VCD

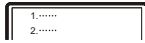- When playing SVCD, VCD2.0 discs with the menu playback function, you may enjoy simple menu playback alternative function. You may set menu playback state in the setup menu and select menu playback or sequence playback.

For instance, VCD 2.0 disc menu playback.

1. TV screen displays main menu.

1.·······
2.·······

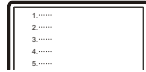- Press number buttons to select. For instance, press number button 1 to select main menu 1.

1.·······
2.·······

2. After entering main menu 1, TV screen displays submenu.
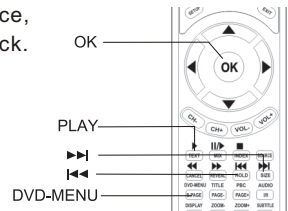
1.·······
2.·······
3.·······
4.·······
5.·······

3. Press [◄◄], [►►] buttons to turn pages.

4. Press number buttons to select submenu content. For instance, press number button 5 and the unit begins to play the fifth track.

OK

1.·······
2.·······
3.·······
4.·······
5.·······

PLAY

5. When playing, pressing [DVD-MENU] button to return to the root menu.

DVD-MENU

MEMORY

DVD

1. This player can save the currently played time point automatically when you leave the current DVD disc playback (switch from DVD to card read state, switch from DVD signal source to other signal source, enter standby state in DVD mode).

2. When switching to DVD playback state again, this player can automatically search the time point saved last time to continue playing. If you want to play from the beginning, please press [■] button twice and then press [►] button.

STOP

PLAY

ⓘ NOTE

- This player may save one DVD disc for one time.
- The DVD disc played the last time will be saved, and the former saved contents will be cleared by new saved contents.
- If power is cut off unexpectedly, the DVD disc played currently will not be saved.

SELECT TRACK TO PLAY DIRECTLY BY NUMBER BUTTONS

DVD   SVCD   VCD   CD

1. Insert disc, after disc reading and normal playback, press number buttons to select track to play directly.

- If track number is less than 10, press number buttons 1 to 9 to directly select. For instance, select the seventh track: (7)

- If track number is more than or equal to 10, press [-/- -] button and then number buttons 0 to 9. For instance, select the 16th track (1 + 6) (-/-)(6)

- If track number is more than or equal to 20, press [-/- -] button twice and then number buttons 0 to 9. The rest can be performed by analogue.

NUMBER
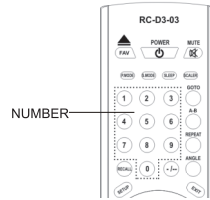
SELECT LANGUAGE/AUDIO

DVD   SVCD   VCD   CD

1. Press [AUDIO] button.

- As for DVD discs with multiple languages, you may select the desired language when playing.

DVD disc:

| Audio 1/2： Chinese | ➡ | Audio 2/2： French |

- As for SVCD, VCD or CD disc with multiple channels, you may select audio output from left or right channel or select stereo audio output. For VCD disc, left channel records dubbing and right channel records singing, and you may select left channel for dubbing.

SVCD, VCD, CD disc:

| Mono Left | Mono Right |
| Stereo | Mix-Mono |
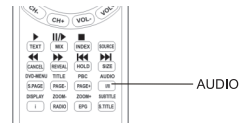
AUDIO

ℹ NOTE

Language type varies with disc recording.

- For VCD story disc with double languages, you may press [AUDIO] button to select the desired language.
- When playing some DVD discs, pressing [AUDIO] button to switch language may result in playing the track from its beginning.

24" HD Ready 1080p DVD LCD TV **User Guide**

REPEAT PLAYBACK

DVD   MPEG4   SVCD   VCD   CD

● The repeat playback function enables a certain title/chapter/track/disc repeated.

1. Press [REPEAT] button. Each press of REPEAT button may realize different repeat functions.
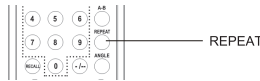
■ DVD DISC:

Chapter ➡ Title ➡ ALL ➡ Repeat Off

■ SVCD, VCD, CD discs:

● To SVCD, VCD2.0 discs, the repeat function is effective in sequence playback mode; to VCD1.1, CD discs, the repeat function may be directly operated.

Track ➡ ALL ➡ Repeat Off

● To SVCD, VCD2.0 discs, the repeat function cannot be operated in menu playback mode.

REPEAT

REPEAT PLAYBACK OF SELECTED SEGMENT

DVD   MPEG4   SVCD   VCD   CD

● When playing disc, you may press [A-B] button to play your desired segment content repeatedly.

1. In normal playback, press [A-B] button at the beginning point (point A) of the segment that you desire to play repeatedly.

TV screen displays: A

2. In normal playback, press [A-B] button at the ending point (point B) of the segment that you desire to play repeatedly.

TV screen displays: AB

● The unit automatically returns to point A and begins to play the selected segment (A-B).

3. Press [A-B] button for the third time.

● The unit restores to normal playback.

A-B

ℹ️ NOTE

● The A-B repeat function may be invalid for some discs. In menu playback mode, the segment can only be selected in the track.

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FAST PLAYBACK

DVD MPEG4 SVCD VCD CD

● When playing discs, you may select fast forward or fast backward playback to search for a certain point.

1. Press [▸▸] button and the unit begins fast forward playback.

● Press [▸▸] button each time and the disc playback speed switches in the following sequence circularly:
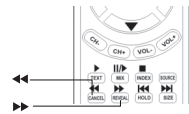
▸ ▶▶ 2X ▸ ▶▶ 4X ▸ ▶▶ 8X
▶ ◂◂ ▶▶16X ◂◂

2. Press [◂◂] button and the unit begins fast backward playback.

● Press [◂◂] button each time and the disc playback speed switches in the following sequence circularly:

▸ ◀◀2X ▸ ◀◀4X ▸ ◀◀8X
▶ ◂◂ ◀◀16X ◂◂

PLAY FROM THE DESIRED POSITION
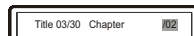
DVD MPEG4 SVCD VCD CD

■ Play DVD disc

● Inputting a certain time, title number or chapter number directly may search the disc quickly and then play forward from this position.

1. Search title and chapter. For instance, search the 2nd chapter in title 6.

● Press [GOTO] button and TV screen displays:

Title 03/30 Chapter   /02

● Press [◂/▸] button to move cursor and lighten the title number, shown in the figure:

Title /30 Chapter   01/02

● Then press number button 6 to select Title 6, shown in the figure:

Title 06 /30 Chapter   /02
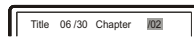
● Finally press number button 2 to select Chapter 2, shown in the figure:

Title 06 /30 Chapter   02/02
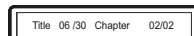
2. Search title time

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.

Title 06/30 Time   : :

3. Search chapter time

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.

Chapter 01/04 Time   : :

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■ Play MPEG4 disc

1. Select track

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input the track.

Select

2. Search track time

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input hour, minute and second.

Go To --:--:--

■ Play SVCD, VCD and CD discs

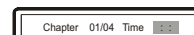**1. Search disc time**

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input minute and second.
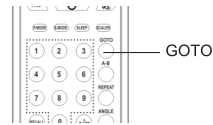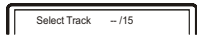
Disc Go To --:--

2. Search track time

● Press [GOTO] button until TV screen displays the following figure. Then press number buttons to input minute and second.

Track Go To --:--

3. Select the track

● Press [GOTO] button until TV screen displays the following figure. Press number buttons to input track.

Select Track -- /15

GOTO

ZOOMING THE DISPLAYED FRAME

DVD   MPEG4   SVCD   VCD

● Zoom in/out the player frame.
1. When playing a disc, press the [ZOOM+/-] button can open the zoom in/out function, and the TV screen displays(take X2 mode as an example):

2X
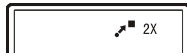
● The frame is magnified to 2 times of the normal size.

2. Press the [ZOOM +] button continually, all the magnified/ minified modes display on the screen in turn. The magnified/ minified modes includes:2X,3X,4X.

3. Press the [ZOOM -] button continually, all the magnified/ minified modes display on the screen in turn. The magnified/ minified modes includes:1/2,1/3,1/4.

4. When the mode is on 4X, press [ZOOM +] button to close the zoom in/ out function, and the frame restores normal size. When the mode is on 1/4,press [ZOOM -] button.

5. When the picture is magnified, press the [▲/▼ ◄/►] buttons to move the frame.

ZOOM

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MPEG4 AND JPEG FILE PLAYBACK

MPEG4 is the audio standard published by MPEG(Moving Pictures Experts Group) in November, 1998. As the discrepant parts between frames of picture are only processed and the same parts are deleted, the data numbers are greatly decreased. The most distinct feature of MPEG4 is the high compression and clear imaging. Furthermore, MPEG4 provides elastic specifications to adjust the stream according to the used requirements. The larger stream can be used when collecting private films; and the small stream can be used in network transferring, which make MPEG4 use widely.

JPEG(Joint Photographic Experts Group) is the most widely used picture compression and storage format today. Utilizing high efficiency compression algorithm, JPEG compresses the original picture 15 to 20 times with excellent picture quality. JPEG is featuring small size data, convenient application and supported by most picture processing software, so it is very fit to store photos.

The strong decoding capability of this unit can decode and play the files with the above formats. In the course of playing, an operation menu will appear and its construction is shown as follows.
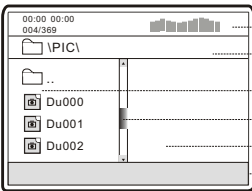
❶ State window
  Display the current state information.

❷ DIR window
  Display the current path.

❸ File window
  Display the current path's file.

❹ Scroll bar window
  Indicate the current file's position.

❺ Preview window
  JPEG image preview.

❻ Information window
  Display the current operation prompts.

The state information in state window is as follows:
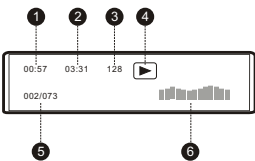
❶ Elapsed playback time

❷ Total playback time

❸ The audio bit rate (generally the bit rate is 128kbps, sometimes it is VBR.)

❹ Current playback mode indicator

❺ Track indicator

❻ Dynamic frequency spectrum indicator

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1. Play MPEG4 file

After you put an MPEG4 format file into the unit, it will search disc information and display the operation menu as figure A (The displayed content varies with disc.).

A:
```
00:00 00:00
001/004        ⬛
📁 \
📁 Du000
📁 Du001
📁 Du002
📁 Du003
```

B:
```
00:00 00:00
001/369        ⬛
📁 \Du000\
📁 ..
📄 MP000
📄 MP001
📄 MP002
```

● Press [▲/▼] button to select the directory you desired and press [OK] button to confirm. For instance, you select the directory Du000 in Figure A, press [OK] button and TV screen displays as in Figure B. The window returns to the previous directory when you select [📁....] or press [◄] button.

● In Figure B, press [▲/▼] button to select the MPEG4 format file you desired and press [OK] button to confirm. The unit begins to play MPEG4 format movie.

2. Play JPEG file

After you put an JPEG format file into the unit, it will search disc information and display the operation menu as in the following figure. After selecting JPEG file, the preview window will appear this file's preview image to facilitate you to select. After you select the JPEG file you desired and press [OK] button to confirm, the picture will display in full screen.

```
00:00 00:00
004/369
📁 \PIC\
📁 ..
📷 Du000
📷 Du001
📷 Du002
RESOLUTION  640×480
```
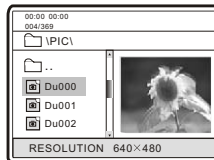
■ Other basic operation methods

1. Press [◄◄],[►►] button may turn to the next or last page.

■ Other functions of JPEG file

1. When playing JPEG file, press [ZOOM] button to enter zoom in/out, and press it again to stop this function.

2. When in zoom in/out, pressing [►►] button may magnify the picture and it can magnify the frame to twice the size of the original one. Pressing [◄◄] button may minimise the picture and it can minimise the frame to half the size of the original one.

3. When playing JPEG file, pressing [■] button may realize preview playback function. At the same time, all JPEG files are displayed on the TV screen. One frame can display up to 12 pictures at most. The other ones are shown on the next frame. Pressing [▶▶] button may enter the next frame and [◀◀] button may enter the previous frame. You may press number buttons or [▲/▼] button to select the picture you desired and press [OK] button to confirm.

4. When in preview playback, pressing [DVD-MENU] button may exit preview playback function.

NUMBER

UP

DOWN

OK

DVD- MENU

SUBTITLE

ZOOM
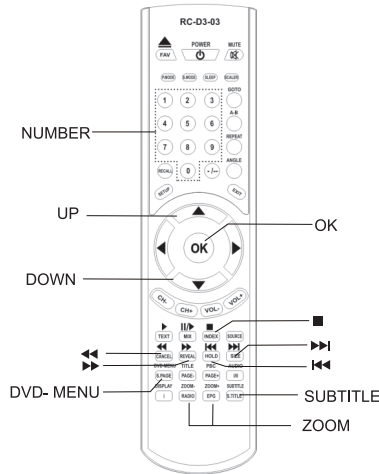
ⓘ **NOTE**

When buttons are invalid, TV screen displays:

● Please press effective button again.

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PICTURE

Select PICTURE item to adjust picture parameters. You may adjust Picture Mode, Contrast, Brightness, Colour, Sharpness, Tint and Preference.

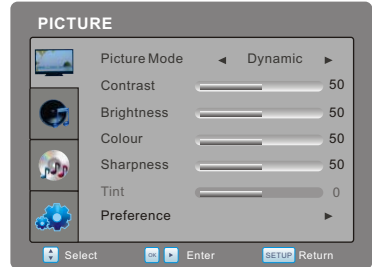■ Picture mode item can be changed between User, Standard, Soft, Dynamic.

You may adjust Brightness, Contrast, Colour, Sharpness, Tint for User mode.

■ Preference item enables you to enter sub menu.
   Colour Temp. item can select colour temperature mode: Normal, Warm, Cool and User.

■ Noise Reduction item can select reduce noise mode: Off, Low, Middle, High.

PICTURE		
Picture Mode	◄ Dynamic ►	
Contrast		50
Brightness		50
Colour		50
Sharpness		50
Tint		0
Preference	►	
⬍ Select	OK ◄ ► Enter	SETUP Return

SOUND

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

■ Sound Mode item can be changed between Music, Film, News, User.

■ Auto Volume item enables you to adjust Off or On for control volume automatic.

■ Surround Sound item enables you to select Off or On for surround sound.

SOUND		
Sound Mode	◄ User ►	
Treble		50
Bass		50
Balance		0
Auto Volume	◄ Off ►	
Surround Sound	◄ Off ►	
⬍ Select	OK ◄ ► Enter	SETUP Return
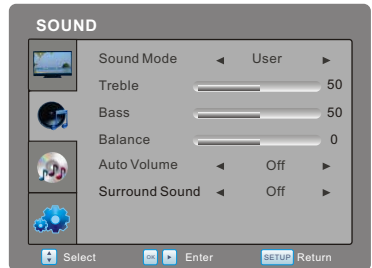
DVD SETTING

Press [SETUP] button , and the main menu will show as follows:

By pressing [▲/▼] button on the remote control, you can select the following items, "General", "Preference", press [►] or [OK] button to confirm.

DVD SETTING	
General	►
Preference	►
⬍ Select OK ◄ ► Enter	SETUP Return
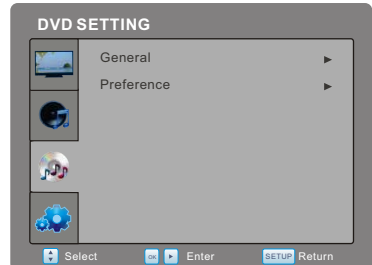
■ **GENERAL SETUP**

You may select TV DISPLAY, SCREEN SAVE and DOWNMIX and Divx.

TV display: this item is used to set the output picture ratio of this unit.
- Optional settings: Normal/Pan-Scan, Normal/Letterbox, Wide Screen; Default: Normal/Letterbox

Screen Save: Open or close the screen saver
- Optional settings: Off, On; Default: On

Downmix: this item is used to set this unit's DOWNMIX mode to change multi-channel audio into 2-channel audio output.
- Optional settings: Stereo, LT/RT; Default: Stereo

Divx: this item is used to set the codepage)character encoding table) for MPEG-4 format subtitles.
1252 - West European Latin (used by Western European languages)
1250 - East European Latin (used by Central & Eastern European languages)
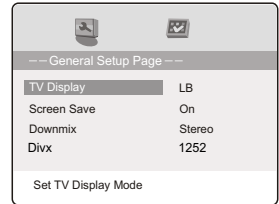1251 - Cyrillic (used by Belarusian, Bulgarian, Macedonian, Russian, Serbian and Ukrainian languages)

```
– – General Setup Page – –
TV Display          LB
Screen Save         On
Downmix             Stereo
Divx                1252

Set TV Display Mode
```

■ **PREFERENCE SETUP**

TV Type: To set the output video system of this player.
- Optional settings: Auto, PAL, NTSC; Default: PAL

PBC: this item is used to set PBC state.
- When playing SVCD, VCD2.0 discs, if PBC is set On, this unit enters PBC playback mode; if PBC is set Off, the unit plays the disc according to track sequence.
- Optional settings: On, Off; Default: On
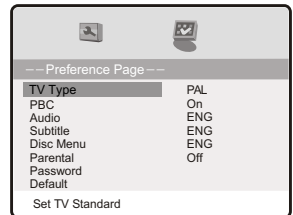
Audio: this item is used to set the preference audio language when playing.

Subtitle: this item is used to set the preference subtitle language when playing.
Disc menu language: this item is used to set the preference disc menu language when playing.
- Default of disc menu language: English
- Default of subtitle: English

```
– – Preference Page – –
TV Type             PAL
PBC                 On
Audio               ENG
Subtitle            ENG
Disc Menu           ENG
Parental            Off
Password
Default

Set TV Standard
```

NOTE
- Audio, subtitle and disc menu language are only effective to DVD disc.
- If the disc is not recorded with the language you appointed, the unit will apply the language that the disc appointed to play.
- Select other languages: press [▲/▼] button to move cursor to "OTHER" item, press [OK] button and then number buttons to input the language code you desire. After input finishes, press [OK] button again.

Parental: this item is used to set the parental control ratings to prevent children from watching the restricted contents. (In case the disc supports this function)
- Optional settings: KID SAFE, G, PG, PG 13, PGR, R, NC17, ADULT, Off; Default: Off

NOTE
- When changing the parental control ratings, a password is needed. Please refer to the following password item for details.

Password: this item is used to set a four digital password to enable you to change the parental control ratings.
- Default: 7890

Default: this item is used to restore all settings to the default value except "Parental control" and "Password" in the setup menu.
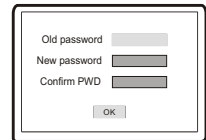
Old password	
New password	
Confirm PWD	
OK	

FUNCTION

Select FUNCTION item to adjust function parameters. You may select Language, Sleep Timer, Aspect Ratio, Blue Screen and Restore Setting.

FUNCTION		
Language	◄ English	►
Sleep Timer	◄ Off	►
Aspect Ratio	◄ 16:9	►
Blue Screen	◄ Off	►
Region	◄ Other	►
Restore Setting		►

‡ Select   OK ► Enter   SETUP Return

- Language item enables you to select the OSD language.
- Sleep Timer item enables you to set the sleep timer (Off,10min,20min,30min,60min,120min,180min and 240min).
- Aspect Ratio item can be changed between: Auto,16:9 and 4:3 (Auto is invalid for VGA)
- Blue Screen item can be changed between On and Off.
- Restore Setting item enables you to reset all values to default.

TECHNIKA PRO
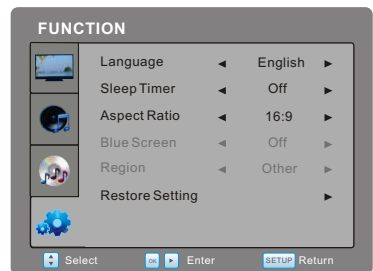
Please check for causes of problems in accordance with the following chart before contacting any maintenance personnel.

DISPLAY TROUBLESHOOTING

Symptom	Causes and Correction
Black screen, power indicator light off	◆ Check whether power cord is correctly connected, and whether this unit is in power on.
	◆ Check whether the signal cord of input device is correctly connected. ◆ Check whether input device is in power on mode.
Image display flicker, unstable	◆ Check whether the input device signal is in this unit's specification
	◆ Check computer output mode: control panel-display-setup ◆ If the setup does not accord with this unit's specification, please change the display setup
	◆ Hor scanning frequency: 30kHz ~ 75kHz ◆ Ver scanning frequency: 50 Hz~75Hz

SOUND AND TV TROUBLESHOOTING

Symptom	Causes and Correction
Cannot power on	◆ Please make sure the power cord is connected correctly.
No sound	◆ Please make sure the audio cord is connected correctly.
	◆ Check volume.
	◆ Make sure there is nothing plugged into the headphone jack.
Volume too low	◆ Check volume.
	◆ If volume is still too low when adjusting volume to maximum, please check whether the input device is correctly set.
Snowy picture	◆ Input antenna damaged or not correctly connected.
Remote control failure	◆ Check whether remote control batteries are functioning. ◆ Check the battery installation is correct. ◆ Check whether an obstacle is between the remote control and the unit's receiving window. ◆ Check whether the receiving window has a strong light.

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DVD TROUBLESHOOTING

Symptom	Causes	Correction
Not play	1. Condensation on laser head 2. Disc not properly loaded 3. Disc not compatible with the unit	1. Switch on power and wait for 1 to 2 hours 2. Make sure label side of the disc is facing up 3. Confirm whether this unit compatible with the inserted disc
Sound distortion	1. Too large volume of connected device 2. Sound field mode not suitable for disc	1. Adjust the device volume 2. Adjust appropriate sound field
No sound	1. Disc warped or dirty 2. The unit in mute state	1. Clean the disc 2. Press MUTE button to cancel it.
No image	1. TV not set for proper system	1. Reset AV/TV state of TV
No colour	1. TV system not right 2. TV colour not well adjusted	1. Try to change the colour system 2. Reset the TV colour
No disc reading	1. Disc warped or dirty 2. Disc not correctly placed 3. Condensation on laser head	1. Clean the disc 2. Reload a disc with label side facing up 3. Switch on power, unload disc and leave it for about 1 hour
Temporary function failure	1. Mal-fabricated disc used 2. Wrong buttons pressed 3. Static leakage into the unit from outside	1. Wait for 5 to 10 seconds to restore to normality automatically 2. Operate again 3. Power off for 1 to 2 minutes to power on again
No subtitle	1. No subtitle made in disc 2. The unit subtitle is turned off	1. Disc problem 2. Press Subtitle button to select it
Image rolling	1. System setup not suitable for disc	1. Adjust system mode

- If the above methods still cannot solve the problems or the troubles are special, please contact the local maintenance personnel.

TECHNIKA PRO

◆ LCD screen	Size	24" - 60cm
	Type	TFT colour
◆ Frequency	Hor scanning frequency Ver scanning frequency Display colour	30 kHz~80 kHz 50 Hz~75 Hz 16.7M (colour)
◆ Display mode	Recommended mode Max mode	24": 1920 x 1080
Panel Life	Hours	50,000
Input signal	Synchronous signal Video signal	H/V separation, TTL positive/negative； H/V composite, TTL positive/negative Green synchronous, 0.3Vp_p,negative 0.7 Vp_p@75ohm
TV/Video	Image system Audio system Video form	PAL/SECAM/NTSC(In video mode) DK/I/BG/L CVBS、RGB, SVIDEO , VGA
Power	From AC From DC (car)	~ 100V-240V (50 /60) Hz ⎓ 12V/4.5A
Environmental factor	Working temperature Working humidity Storing temperature Storing humidity	5℃ ~ 35℃ 10%~80% -20℃~ 45℃ 5%~95%
Media play (USB)	File format	MP3, MPEG1, MPPEG2, AVI, JPEG and BMP
Audio parameter	Audio input Frequency response	ϕ3.5 jack(L,R),0.5±0.3Vrms TV signal: 100 Hz~12 kHz(-3dB) AV: 100 Hz~15 kHz (-3dB)
DVD	Disc type	DVD VIDEO MPEG4 [*]；SVCD[**] VCD1.0, 1.1, 2.0 version；CD-DA
Digital TV	Input connector Frequency range (VHF/UHF) Channel range(VHF/UHF)	IEC-Type, IEC 169-2, Female 174MHz 858MHz 7 & 8 Mhz

Hint: the items with "◆" symbol are related to LCD screen. Specifications and design are subject o change without notice.

[*] Some discs labelled with MPEG 4 on the market actually are * .rm/* .ram/* .rmm and others which are not compatible. Please take care when buying discs.

[**] This unit cannot play some SVCD discs with VCD format.

Because of disc quality and format difference, we cannot make sure smoothly read all discs; some functions cannot be fulfilled for the disc speciality, but not machine trouble.

24" HD Ready 1080p DVD LCD TV **User Guide**

SUPPORTED PC INPUT MODE			
Resolution	Hor scanning frequency (KHz)	Ver scanning frequency (Hz)	Format
640×350	31.5	70.0	DOS
720×400	31.5	70.0	DOS
640×480	31.5	60.0	DOS
640×480	37.9	72.0	VESA
640×480	37.5	75.0	VESA
800×600	35.1	56.2	VESA
800×600	37.9	60.0	VESA
800×600	48.1	72.0	VESA
800×600	46.9	75.0	VESA
1024×768	48.4	60.0	VESA
1024×768	56.5	70.11	VESA
1024×768	60.0	75.0	VESA
1280X1024	64.0	60.0	VESA
1280X1024	85.0	75.0	VESA
1600X1200	75.0	60.0	VESA
1600X1200	81.3	65.0	VESA

NOTES

- This product does not support the display mode not listed above. In order to achieve the best display effect, please select the above-listed 20 display modes input signal.
- Because of the difference of display card output signal (especially non-standard signal output), the display image may appear with a little disturbance which can be adjusted through " AUTO CONFIG " in the "PICTURE" menu by users.
- To prolong this unit's service life, you are suggested to use power management function of computer.

Care and Maintenance

Handling Discs

- To remove a disc from its storage case, press down on the centre of the case and lift the disc out.

- Discs should be returned to their cases after use. This avoids serious scratches that could cause the laser pickup to skip.

- Hold the disc by the edges, to avoid touching the recorded side of the disc.

- Fingerprints and dust should be carefully wiped from the disc's surface with a soft cloth.

- Never use chemicals such as record sprays, antistatic sprays, benzene, or thinners to clean the discs. These chemicals can irreparably damage the disc's surface.

- Audio discs and DVD discs have no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles.

- Wipe in a straight line from the inside to the outside of the disc. Small dust particles and light stains should have no effect on reproduction quality.

- Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods. Exposure to high temperatures can warp the disc.

- Do not stick paper or write anything with a ball point pen on the label side of the disc.

Disposal

UK: Waste electrical products should not be disposed of with household waste. Separate disposal facilities exist, for your nearest facilities see **www.recycle-more.co.uk** *or in-store for details.*

ROI: Produced after 13th August 2005 Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

Warranty

Your TESCO appliance is covered by a warranty for 12 months from the date of purchase. If a fault develops during this period, please contact the TESCO electrical help line on 0845 456 6767. Please have your original purchase receipt with you when you call. This warranty in no way affects your consumer rights.

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TECHNIKA PRO

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