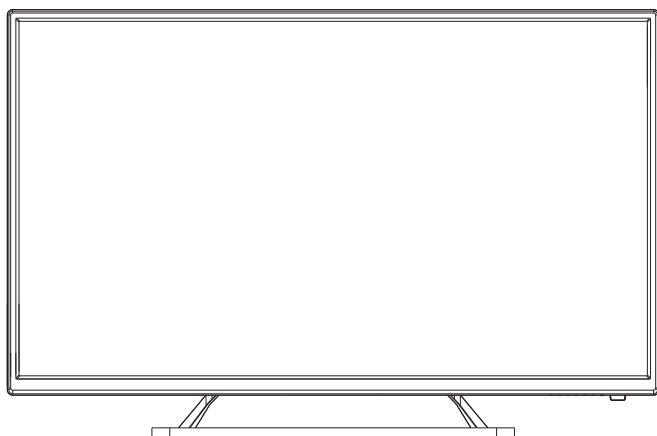


VEON™

48" FULL HD LED/LCD TELEVISION

MODEL: SRO482016



Instruction Manual

Customer Service Line

For assistance during normal working hours(9am-5pm,Mon-Fri,New Zealand local time)
NZ call: 0800 883 301

IMPORTANT INFORMATION

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television on tall furniture(for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.



WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER(OR BACK).NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.



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 products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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 literature accompanying the appliance.

REGULATORY INFORMATION

This equipment generates and user can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION

Do not attempt to modify this product in any way without written authorization from supplier. Unauthorized modification could void the user's authority to operate this product.

It is not recommended to keep a certain still image displayed on the screen for a long time as well as displaying extremely bright images on screen.

Figures and illustrations in this User Manual are provided only and may differ from actual product appearance. Product design and specifications may be changed without notice.

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Don't use the apparatus in tropical climates.

The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Attention should be drawn to the environmental aspects of battery disposal. Don't throw used batteries in dustbin. Please contact your retailer in order to protect the environment.

Keep minimum distances(5cm) around the apparatus for sufficient ventilation;
(Minimum distance around the apparatus for sufficient ventilation.)

No naked flame sources, such as lighted candles, should be placed on the apparatus;

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

The device may malfunction when under electrostatic discharge. It can be manually resumed by power off and power on again.

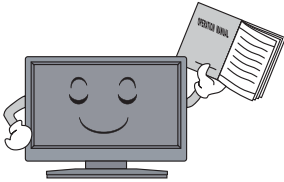
CAUTION

Connecting the Power Cord.

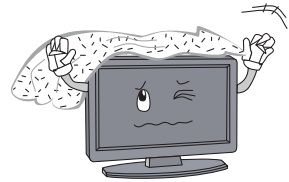
Most appliances recommend they be placed upon a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and have the cord replaced with an exact replacement part by an authorized servicer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance. The mains plug is used as the disconnect device, and the disconnect device shall remain readily operable.

IMPORTANT SAFETY INSTRUCTIONS

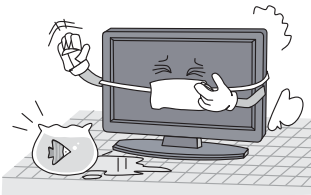
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.



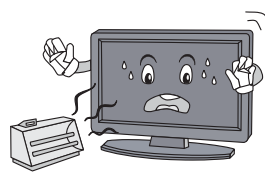
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.



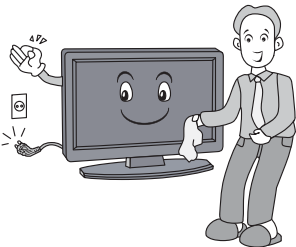
5. Do not use this apparatus near water.



8. Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



6. Clean only with a dry cloth.

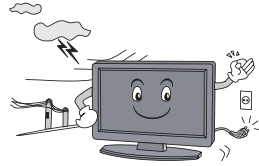


9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.



13. Unplug power cord and antenna during lightning storms or when unused for long periods of time.



11. Only use the attachments/accessories specified by the manufacturer.

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip over.



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



ON DISPOSAL

- The fluorescent lamp used in this product a small amount of mercury.
- Do not dispose of this product with general household waste.
- Disposal of this product must be carried out in accordance to regulation of your local authority.

NOTE

- If the TV feels cold to the touch, there may be a small "flicker" when it is turned on. This is normal, there is nothing wrong with TV.
- Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However these have no adverse effect on the monitor's performance.
- Avoid touching the screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effect on the screen.

Your TV is packaged with the stand and the cabinet separated. Before using the TV, install the stand as described below, or if you want to mount it to wall, see page 6 for mounting advice; the wall mount itself is not supplied.

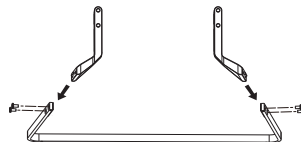
IMPORTANT!

- Make sure the TV set is unplugged from the power supply before installing or removing the stand.
- The TV panel may be awkward to install on your own. We recommend you ask someone to help with installation and/or removal of the stand.

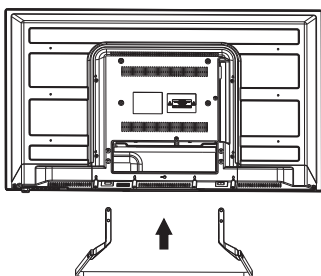
Attaching the stand

1. Place the TV with the display side down on a flat surface. Use a cloth to protect the display.

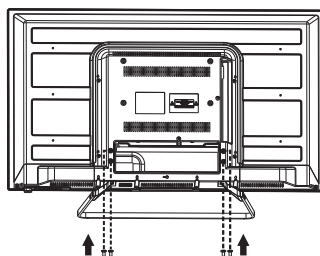
2. Flat base, the base will be one of the pillars placed in the end seat, make sure the screw holes on the base and the base of the pillars aligned. Let screws into the base of the hole and tighten the screw. In the same way to install another base pillars.



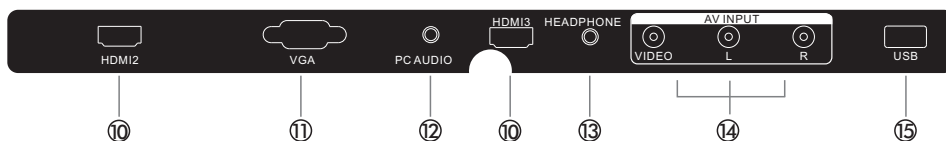
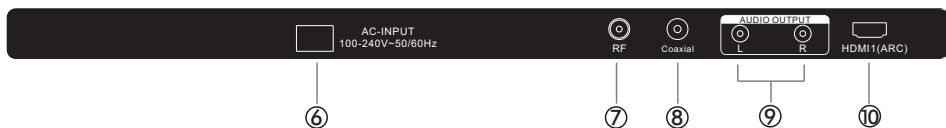
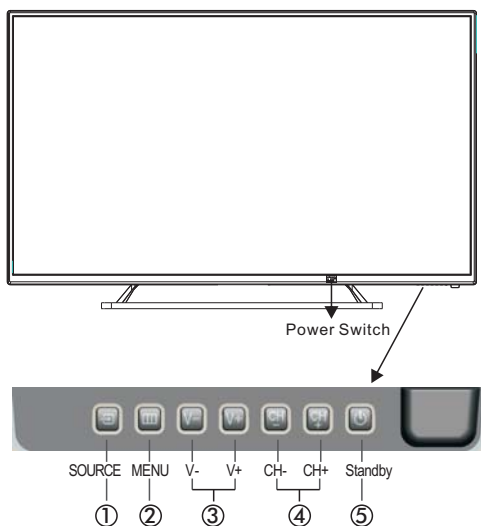
3. Install the screw holes on the back of the base and the base pillars aligned television reserved.



4. Let the four screws into the screw holes and tighten the back of the TV.



Front/Back panel diagram



1. SOURCE Source select
2. MENU Into or exit from menu
Use CH+/- button select item
V+/- button adjust item
3. V+/- Adjust Volume
4. CH+/- Select channel
5. Turn on/off TV
6. AC power socket
7. Antenna 75Ω
8. COAXIAL Output
9. AUDIO output : External Audio signal output and relevant right / left sound channel outputs.
10. HDMI: HDMI connection port.
11. VGA Input
12. PCAUDIO INPUT
13. HEADPHONE Earphone OUTPUT
14. AV input : External AV signal input and relevant right / left sound channel inputs.
15. USB Input.

Getting Started

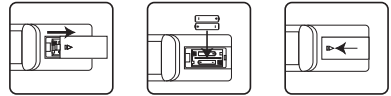
Using the remote control

When using the remote control, aim it at remote sensor on the television. If there is an object between the remote control and the remote sensor on the unit, the unit may not operate.

- ◆ Point the remote control at the REMOTE SENSOR located on the television.
- ◆ When using this television in a very brightly lit area, the infrared REMOTE CONTROL SENSOR may not work properly.
- ◆ The recommended effective distance for using the remote control is about 7 metres.

Installing Batteries in the Remote Control

1. Open the cover at the back of the remote control.
2. Install two AAA size batteries. Make sure to match the "+" and "-" ends of the batteries with the diagram inside the compartment.
3. Replace the cover.



Batteries replacement

You will need to install the batteries into the remote control to make it operate following the instruction below.

When the batteries become weak, the operating distance of the remote control will be greatly reduced and you will need to replace the batteries.

Notes on Using Batteries:

The use of the wrong type of batteries may cause chemical leakage and/or explosion. Please note the following:

- ◆ Always ensure that the batteries are inserted with the + and - terminals in the correct direction as shown in the battery compartment.
- ◆ Different types of batteries have different characteristic. Do not mix different types.
- ◆ Do not mix old and new batteries. Mixing old and new batteries will shorten battery life and/or cause chemical leakage.
- ◆ Replace batteries as soon as they do not work.
- ◆ Chemicals which leak from batteries may cause skin irritation. If any chemical matter seeps out of the batteries, wipe it up immediately with a dry cloth.
- ◆ The batteries may have a shorter life expectancy due to storage conditions. Remove the batteries whenever you anticipate that the remote control will not be used for an extended period.
- ◆ The batteries(battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

CAUTION

- ◆ It may result in an explosion if batteries are replaced incorrectly.
- ◆ Only replace batteries with the same or equivalent type.

Cable Installation

Please read the relevant content in "Notice for Maintenance and Safety" carefully before the installation and use.

1. Take out the TV from the package and put it in a drafty and flat place.

NOTE

- ◆ When you plug or unplug the TV, computer or other equipments, you must make sure that the AC power has been already shut down; when unplugging the power cable or signal cable, please hold the plug(the insulated part), do not draw the body of the cable.
2. The RF output terminal can be connected with the RF input port of the TV.
 3. The output AV terminal of DVD can be connected with the AV input port of the TV through AV cable.
 4. Connect one end of the VGA cable with the VGA port on computer, connect the other end of the VGA cable with the VGA port on the TV, and tighten the bolts clockwise on the each end of VGA cable.

NOTE

- ◆ While connecting the 15-pin VGA, please do not insert the plug overexertedly, for fear the pin might be broken.
5. Connect one end of the HDMI cable with HDMI output port, connect the other end of the HDMI cable with the HDMI port on the TV.

NOTE


- ◆ While connecting the HDMI, please insert carefully, do not insert overexertedly, for fear the pin might be broken.
6. Check and make sure that all AV cables are connected with the corresponding ports correctly.
 7. Connect the AV power cable with 100-240VAC power supply.

NOTE









- ◆ The range of power input for the TV is 100-240VAC 50/60Hz, do not connect the TV power input port with the AV power out of the above range.
- ◆ Please hold the insulated part of the plug when you are unplugging the power cable, do not touch directly the metallic part of the cable.

Basic Operation

QUICK START GUIDE

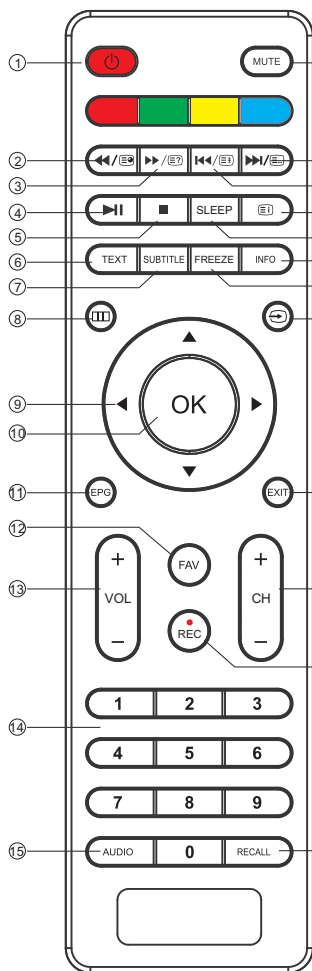
- Connect
 1. Connect the mains and antenna.
 2. Press the  button on remote control to turn on TV from standby mode.
- Initial Setup

When the TV is initially powered on, a sequence of on-screen prompts will assist in configuring basic settings.

 1. Select the desired OSD(On Screen Display) language.
Press the  /  /  /  button, then press the OK button.
 2. Select the appropriate country.
Press the  /  /  /  button to select the country, then press the OK button to Start Channel Tuning.

Remote Control

The buttons of the original remote control are as following:





- 1: POWER: To set the TV to Standby or Power On modes.
- 2: ◀/◀◀ : In USB mode, used as fast reverse key; press repeatedly to speed up operation.
- 3: ▶▶/▶ : In USB mode, used as fast forward key; press repeatedly to speed up operation.
- 4: ▶◀ : Press to play/pause in the multimedia mode.
- 5: ■ : Press to stop play in USB mode.
- 6: TEXT: To enter or exit TELETEXT.
- 7: SUBTITLE: To turn on subtitles in DTV mode.
- 8: □□□□ : Displays the main on-screen menus.
- 9: CURSOR: To move within the menu.
- 10: OK: Confirms selection.
- 11: EPG: To display information about the program being viewed and what's on next in DTV mode.
- 12: FAV: To access your favourite channels list in TV or DTV mode.
- 13: VOL+/- : To adjust sound level.
- 14: NUMERIC KEY: For direct access to channels.
- 15: AUDIO: To select the available audio language of TV programs .
- 16: MUTE: To disable or enable the speaker sound output.
- 17: ▶/▶▶ : In USB mode, used as next key, in teletext mode used as list key.
- 18: ◀/◀◀ : In USB mode, used as previous key, in teletext mode used as hold key.
- 19: I : In teletext mode used as index. In DTV mode, displays the Recorded List.
- 20: SLEEP : Press to set the sleep timer.
- 21: INFO: To display the program information of the DTV show you are watching, press the Info button.
- 22: FREEZE: Press to freeze the picture you are watching.
- 23: TV : Press to display and select the available video input sources.
- 24: EXIT: To return to the previous menu or exit menu.
- 25: CH+/CH-: To access the next or previous channels.
- 26: REC: Press to record the TV program you are watching in DTV mode.
- 27: RECALL: DTV Mode: RECALL: Jumps to last channel viewed.

NOTE:

This Remote Control is used across a range of TV models with differing capabilities. Some functions listed above may not be applicable to your TV model.

Basic Operation

Turning on and off TV

- Turn on the TV
Connect the Power cable. At this time the TV will enter stand by mode.
press the  button on remote control to turn on TV from standby mode.
- Turn off the TV
press the  button on remote control to enter standby mode.
Do not leave your set in standby mode for long periods of time. It is best to unplug the set from the mains and aerial.
- No signal
There is No Signal menu on screen when there is no input signal. In TV/DTV mode, if there is no signal in fifteen minutes, the TV will turn off automatically. In PC mode, the TV set will automatically **turn off in one minute** if no input signal. When VGA cable is connected the TV turns on automatically.

Program Selection


- Using the CH+/CH- on the panel of TV or on the remote control.
Press CH+ to increase channel number.
Press CH- to decrease channel number.
- Using 0-9 digital buttons.
You can select the channel number by pressing 0 to 9. (In TV, DTV mode)

Volume adjustment

- Press the VOL +/- button to adjust the volume.
- If you want to switch the sound OFF, press the **MUTE**.
- You can release mute by pressing the **MUTE** or increase/ decrease the volume.

Changing the Input Source

You can select the input source by pressing the  button on the remote control.

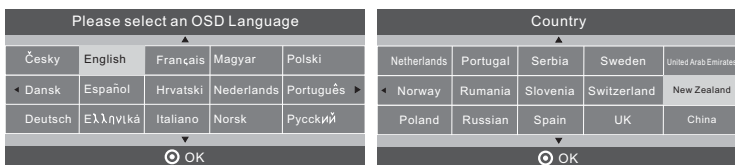
Press the  button to cycle through the input source, and press the OK button to confirm your choice.

Menu Operation

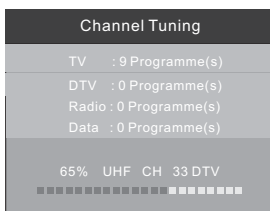
First time powering on the TV :

When you first power up your TV, (or you reset the TV to its factory settings), it will automatically enter the TV Auto Tuning mode. This is where the TV searches for available TV stations and stores the station details it finds. Make sure your TV antenna is connected before proceeding with this operation.

By default, an On Screen Display will offer a language selection (pre-set to English), so just press the OK button on the Remote Control to confirm this option. The OK button is located in the middle of the cursor arrow button area of the Remote Control.



The TV will then offer a selection of countries, with New Zealand as the pre-set option. Again press the OK button to confirm this selection. Your TV will now scan through all the digital TV (DTV) stations that it can receive using the connected antenna. This process may take several minutes, but once completed, the TV will skip to the first DTV program.



The “radio” channels found during the TV Auto Tuning function are the sound-only services provided by some TV stations.

Using the Main Menus :

Once the TV has run through the Auto Tune mode and found the available programs, you will then need to know how to select the relevant input you want (eg. DTV, AV, HDMI etc), and also how to select and adjust the various Menus that allow you to tailor the operation of the TV to suit your application.

The following pages marked “Menu Settings” will cover the usage and settings of the various menus in more detail. Please read them carefully to gain the most benefit from your TV.

Firstly, on the upper-middle section of the Remote Control are the main cursor selector arrows with the OK button in the middle of them. Directly above and to the left of the cursor arrows is the Main Menu selector button, which displays the Main Menus on the TV's screen. In the following section of the User Manual, when the operation of the options in the Main Menus are being described, you first need to press the Main Menu button to activate the Menu function, then press the Left or Right cursor arrow buttons to select the relevant Menu, and the Up or Down cursor arrow buttons to move within the options inside each Menu. If at any time you mis-select a Menu or setting, press the Exit button (located on the bottom right-hand side of the cursor arrow buttons) to exit the Menu setting.

Menu Operation

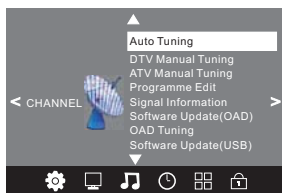


To access the Input Source menu, where you can select ATV or DTV reception, plus access signals from your connected Audio/Video devices (eg, via AV Composite video, HDMI, or PC VGA), press the Input Source button located at the top right-hand side of the cursor selector arrow section of the Remote Control, and once the Input Source menu appears, use the Up or Down cursor arrow keys to select the desired input, then press the OK button.

Input Source
DTV
ATV
PC
HDMI1
HDMI2
HDMI3
AV
USB

1.Channel menu

The first item of the menu is the Channel menu (for ATV or DTV source only). ATV + Analogue TV, DTV + Digital TV.



1). Auto tuning:

When Auto Tuning is manually selected via the Channel Menu (rather than when the TV is first powered On or reset), you will first need to select the Tune Type. You can select between ATV, DTV, or DTV +ATV searching.

Press◀▶ to select search type, then press◀▶▶ to select country (eg. New Zealand), then press the OK button to start auto tuning.

All the channels including ATV, DTV and Radio can be tuned at once, if the Tune Type is set to DTV+ATV.

Any previously stored channels will be deleted after auto tuning is carried out. After auto tuning, the receiver will skip to the first DTV channel. The radio channels are the ones provided by some TV stations.

2). DTV manual tuning:

You can select a DTV channel and find out how many programs are being transmitted on this channel.

Press◀▶ to select the channel, then press OK to search the programs.

Menu Operation

NOTE:

The Bad Normal Good bar graph on this screen shows the relative signal intensity during DTV reception only. To obtain more detail regarding the signal quality and strength of a received DTV station, refer to the Signal Information option in this Menu.



3). ATV manual tuning :

You can change the sound system, search the analog TV channels and fine tune them, then store the channels you selected. In Australia and New Zealand, select the "BG" sound system. This menu is handy if you are using your TV to watch analogue signals from a VCR or from older equipment using an RF modulator.

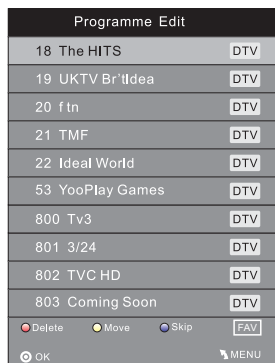


NOTE:

Press the teletext red button on the remote control to store the channel details after manual tuning.

4). Program edit:

You can Delete, Move, Skip, or FAV most TV programs from the list of TV stations previously located during the initial Auto Tuning process.



Menu Operation

● Delete

Press the teletext red button on the Remote Control and the program in the cursor will be deleted from the list of stations. To restore a deleted channel, perform a complete Auto Tune.

● Skip

Press ▼▲ to choose the program, press the teletext blue button on the Remote Control to skip this program from future up/down manual channel selections, and the Ⓢ symbol will show on the right side of the program name. Choose the skipped program, press the blue button again, you can cancel the skip and the Ⓢ symbol will disappear.

● Favourite

Press ▼▲ to choose the program, press the FAV button on the remote control and it will show a ♥ symbol on the right side of the program name and it will be added to a Favourite List in your TV. Choose the FAV program, press FAV button again, you can cancel the FAV setting and the ♥ symbol will disappear.

Once your Favourite List is created, you can press the FAV key on the remote control during TV reception to quickly access your favourite channels.

5). **Signal Information:** Displays the signal information in DTV (digital TV) mode only.

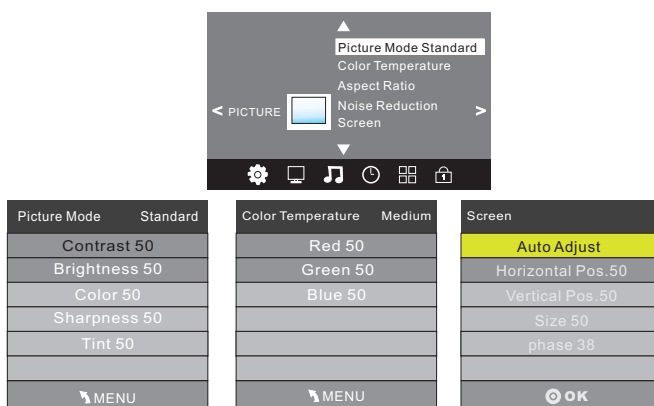
6). **Software Update (OAD):** This setting should be set to Off in Australia.

7). **Software Update (USB):**

WARNING: Do not attempt to use this option unless you have a valid software program for the TV stored on a compatible USB drive, and the drive is connected to the TV. Remove the antenna cable from the TV RF port, go to the channel Menu, select "Software Update (USB)" and press OK to run the update.

2. Picture menu

The second item of the menu is Picture menu. You can adjust picture effects here, such as contrast, brightness, etc. Press ▼▲ to move, press OK to adjust.



Menu Operation

1. Picture mode:

Press OK Key enter Picttrue mode Select Menu. Press ◀▶ adjust Picture mode. Under User mode, press ◀▶▲▼ can adjust contrast, brightness, color, sharpness. etc. The Tint option is available in NTSC system countries only.

2. Color temperature:

Press OK Key enter color temperature Select Menu. press ◀▶ adjust olor temperature. Under User mode press ◀▶▲▼ can adjust Red ,Green,Blue.

3. Aspect ratio:

Press OK Key enter Aspect Ratio Select Menu. And press ▲▼ adjust Aspect Ratio. The Aspect Ratio option allows you to select either Auto, or manually select 4:3, 16:9, Zoom1, Zoom2 or Just Scan screen ratios. For general use leave this setting in the Auto position.

4. Noise reduction:

Press OK Key enter Noise Reduction Select Menu. And press ▲▼ adjust Noise Reduction. The Noise Reduction option is for use in areas using ATV (analogue) transmissions.

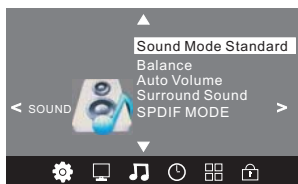
5. Screen:

Press OK Key enter Screen Menu. And press ◀▶▲▼adjust H.POS,V.POS,etc. The Screen option is only available once the Input Source is set to PC and a compatible signal is present on the VGA input socket. Once selected, you can adjust the horizontal and vertical screen position, size and phase or select an Auto Adjust mode.

3.Sound menu

The third item of the menu is the Sound menu.

You can adjust sound effects here such as treble, bass, balance etc. Press ▼▲ to move, press OK to adjust.



1.Sound mode:

Press OK Key enter Sound mode Select Menu. press ◀▶ adjust Sound mode. There are five Sound modes that can be selected: Standard, Music, Movie, Sports, and User. The User option allows you to adjust Bass and Treble sound effects from the TV speakers to suit your listening preferences. NB. These sound modes are not active on the audio outputs. under User mode press ◀▶▲▼ can adjust Treble,Bass.

2.Balance:

Press OK Key enter Balance adjust menu. press ◀▶adjust Balance.adjust range is 0-100.

3.Auto volume:

Press OK key to switch on or off. The Auto Volume option helps reduce excessive input signal variations that may lead to distorted sound. For most standard installations, this sub-menu should be set to the Off position.

4.Surround sound:

Press OK key to switch On or Off. The Surround Sound option generates an artificial widening of the sound stage from the TV. If this sound effect is not suitable in your installation, leave this sub-menu in the Off position.

Menu Operation

5. SPDIF Mode:

Press OK key to switch Auto or PCM. The SPDIF Mode option affects the format of the Coaxial digital audio output from the socket on the rear of the TV. Unless you need to force the output format to PCM, leave this setting in the Auto position.

4. Time menu

The fourth item of the menu is the time menu. You can adjust the clock, power on/off time, sleep timer etc. Press ▼▲ to move, press OK to adjust.



1. Clock:

The clock time is automatically set by reading the time data that is transmitted by local Digital TV stations.

2. On/Off time:

The Off and On timers allow you to program the TV to switch On and Off at specific times that you set. In order for this function to operate, the TV must be powered up (ie. mains power switch on the TV is On) and in Standby mode. The Off and On timers have 6 different setting options: Once, Every Day, Mon "C Fri, Mon "C Sat, Sat "C Sun, and Sunday. You can set the TV channel and volume settings for most options (except for the Once setting, where the TV's last channel and volume settings will be used)

3. Sleep timer:

Press OK Key enter Sleep Timer Select Menu. And press ▲▼ adjust Sleep Timer.

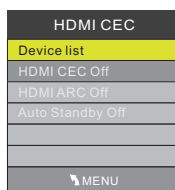
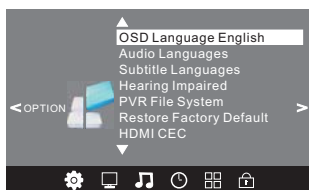
The Sleep Timer allows you to select from a range of pre-set times (between 10 minutes and 240 minutes long) that the TV will operate for before returning to the Standby state.

4. Time zone:

Press OK Key enter Time Zone Select Menu. And press ◀▶▲▼ adjust Time Zone. The Time Zone setting of the TV is initially set using data from local Digital TV stations. You can manually adjust the time zone in the TV if required (eg. for locations where DTV signals are not available).

5. Option menu

To enter the Option menu, press MENU button and then press ◀ or ▶ buttons to select the Option Menu. Once in Option Menu, press ▼ or ▲ buttons to select the settings you wish to adjust. Press **MENU** button to return to the Main Menu.



Menu Operation

Note:

1) The OSD Language option allows you to select the language used in the various TV menus from a wide selection.

At the initial setup stage of the TV, the default language is English, and it is recommended that this setting is not changed unless you are fluent in any new language chosen.

2) The Audio Languages and Subtitle Languages options relate to DTV reception only. Some TV channels transmit their audio and subtitles in more than one language, and if this is known in advance, you can select this alternative language. At the initial setup stage, the default language is English, and it is recommended that this setting is not changed unless you are fluent in any new language chosen.

3) HDMI CEC (Consumer Electronics Control) allows your TV to share control of some functions with various compatible equipment via an HDMI cable connection. The HDMI cable connecting your

equipment to this TV must support both ARC and CEC functionality.

For example, with HDMI CEC set to "On" in the TV's menu and also on an HDMI connected device that supports CEC (eg. a Blu-ray player), selecting the HDMI input on this TV sends a signal to the Blu-ray player and may switch it On from its Standby state (depending on the player's CEC capabilities). If the HDMI CEC and Auto Standby in the HDMI CEC menu are both set to "On" in the TV's Option menu, and the connected equipment supports the Standby function, then switching On the HDMI connected player may also switch On the TV from its Standby state. This activity may even set the TV to the HDMI input that the external device is connected to (again, these examples depend on the capabilities of your connected equipment). The HDMI CEC system supports a wide variety of commands, many of which may not be applicable to this TV or any connected HDMI equipment. Refer to the User Manual of your other equipment to check what areas of the CEC commands they may be able to work with. If after selecting CEC operation you find the TV or any connected equipment performing unusually (eg. switching itself back on after you're switched it back to the Standby mode), your connected equipment may not be compatible with this TV, and the HDMI CEC sub-menu should be set to the off position.

PVR File System

In the PVR File System sub-menu you will be asked to format your USB 2.0 flash drive or Hard Disc for PVR Operation. If you are not familiar with the various drive or partition options for storage devices, start this process using a blank (ie. unused storage device), or one which does not hold sensitive or required data.

Select Disk	C:
Check PVR File System Start	
USB Disk	
Format	
Time Shift Size	
Speed	
Free Record Limit 6 Hr.	

Select Disc

To view and select the USB drive or Hard Disc that you would like to record to, press the OK button to enter the Select Disk sub-menu and then press ◀ or ▶ buttons on your remote control to select the particular storage device type that is connected to the TV. Press the OK button to return to the PVR File System sub-menu.

Menu Operation

Check PVR File System

Press the OK Button to start checking the file system of your USB storage or Hard Disk and check the recording speed capability of the connected device. Once SUCCESS is shown after checking, you will then be able to begin recording or use the Time Shift function. If FAIL is shown after checking, you will need to format your USB drive or Hard Disc before being able to record or use the Time Shift feature. Use of the High Speed format option is recommended.

Format

When you format your USB flash drive or Hard Disc any saved data will be lost. This TV primarily supports USB 2.0 flashdrives and hard-drives, with its USB socket supporting up to 500mA current drain. USB 3.0 drives(operating in USB 2.0 compatibility mode) may also be usable, but their compatibility will need to be checked on a case-by-case basis.

File System Size	
PVR File System Type	FAT32
PVR File System Size	All
SD 13 Mins	
HD 3 Mins	
MENU	

PVR File System Type

There are two types of supported formats: FAT32 and Hi Speed Format. You can press◀or▶ buttons to choose the type of formatting. If FAT32 is selected, you will have to format the whole of your USB drive. If Hi Speed Format is selected, you will then be able to press◀or▶ buttons to select the size you wish to use (for example 1GB, 10GB, 20GB... or All). Once a particular size is booked for recording, you will be able to use the remaining space of your USB drive or Hard Disc for other data storage.

WARNING: Please note no matter which size is booked for recording, all the data in the allocated partition of the Hard Disc will be lost after formatting. During Hi-Speed formatting of some USB drives, you may need to select a smaller Time Shift size than the maximum capacity of the drive, as some storage capacity is used in the PVR set-up process.

Speed

This will show the supported speed of recording, and whether your storage device can support HD DTV recording. Speeds above 5,500kb/s are usually more successful when recording HD TV material.

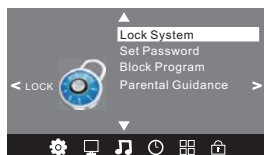
Record limit

This will show the approximate time you will be able to record on to your USB drive or Hard Disc.

Factory reset note:

If you wish to reset your TV, please select the Restore Factory Default option, this will clear all settings.

6.Lock menu



1. Lock system:

To enter the LOCK Menu, press MENU button and then press◀ or▶ buttons to select the LOCK Menu.

The default password is 6666,the super password is 9527.

2. Set password:

Please set a new password so it is easy to remember. Follow the on screen steps to set your newpassword.

3. Block program:

Press OK enter Block Menu, You can specify the program to lock.

Use the▲▼to select the program you want to lock, then press OK to lock and press OK again to unlock.

4. Parental guidance:

Press OK enter Parental Guidance Menu, You can Use the▲▼adjust lock. Once the Parental Guidance mode is turned on, you can set viewing restrictions during DTV TV reception only.

7. USB source

To enter the USB source menu, press the Input Source button on the Remote Control, and then select USB.This is where you will be able to view and play various limited low data-rate USB media files such as JPEG, MP3 and AVI formats.

Use the◀ or▶ buttons on the remote control to select the file playback type (eg. Photo, Music, Movie, Text), then press OK. You can preview a selected file by highlighting it using the cursor arrows and pressing OK. Press the▶ Play button on the Remote Control to show it in full-screen size.

Press the INFO button to bring up a controls tab at the bottom of the screen, allowing easier control of play, pause, stop and repeat modes. Press the EXIT button repeatedly to progressively return back to the USB menu.

8. PVR function

1). Prepare to record the program

Before the PVR function can be used, a suitable USB storage device (USB flash-drive or USB hard-drive) must be connected to the USB socket on the rear side panel of the TV. The USB storage device should only be connected or disconnected when the TV is switched off. The USB PVR function relies on the use of high quality USB drives, with higher speed models likely to provide improved performance.

From the Option Menu enter into the PVR File System and choose "check PVR File System". Click "OK", and wait until "checking" changes into "Success".

Note: please check the result marked "Speed". If it is "FULL HD support", that means the speed of your USB device is suitable for time shift and record functions. If not, please format the device, to make sure the USB device is capable of handling the recording functions. The default "Free Record Limit" is 6 hours, if the space on the disk is big enough. If the space is not big enough, the record time will be shorter, depending on the capacity of the device.

During the "check PVR File System" checking, please do not choose any other operation until it is finished.

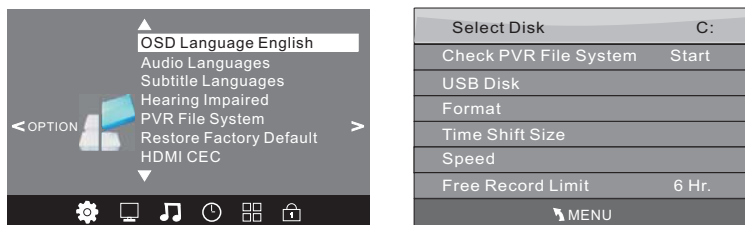
The recordings have to be done from within the TV PVR system. The recordings can only be played in the same TV, and generally not in any other kind of devices (computer, DVD, etc...) which are not compatible with the .TS file format.

In order to carry out any kind of recording, the TV will oblige you to format the connected USB device to store the recording. The High Speed format option is recommended for better HDTV recording results.

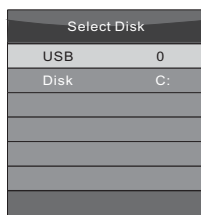
WARNING. WHEN YOU FORMAT THE EXTERNAL USB DEVICE YOU WILL LOSE ALL THE FILES

AND INFORMATION STORED ON THE DEVICE.

From the OPTION MENU, enter into the PVR File System as below:



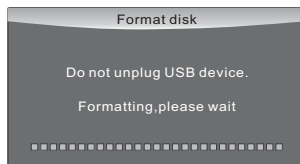
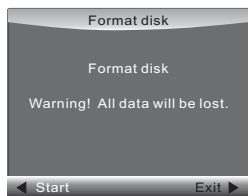
Select Disk: select which USB drive type to save the recorded file onto, then press OK to return to the PVR menu.



Menu Operation

Check PVR File System: checks if the PVR File System set up will work with your USB device or not.

Format: Refer to the details on formatting on [page 19](#) before using this option for the first time. Once you have selected the type of formatting of your USB storage device, your TV will show various progress screens (see below).



When the Format process has finished, you can then use the "Check PVR File System" option to show the speed ability of your USB storage device. Press EXIT to return to the TV mode.

Select Disk	C:
Check PVR File System	Checking
USB Disk	Pass
Format	Pass
Time Shift Size	All
Speed	Checking
Free Record Limit	6 Hr.
MENU	

Select Disk	C:
Check PVR File System	SUCCESS
USB Disk	Pass
Format	Pass
Time Shift Size	All
Speed	HD support 2048 KB/s
Free Record Limit	6 Hr.
MENU	

If you selected the "Hi Speed FS" format mode, you can then change the Time Shift memory size. Remember to set the Time Shift size to be smaller than the capacity of your USB storage device, or the Speed test may report an error.

Time Shift Size	
Time Shift Disk Size	512 MB
SB 14 Mins	
HD 4 Mins	

2). Recording a DTV program

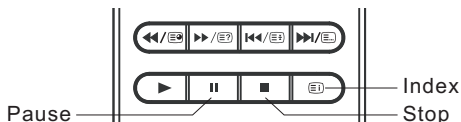
When viewing a DTV program, press the "●REC" button on the remote control and the record control tab will pop up and the PVR will commence recording. Click the "●REC" button again and the record control tab will disappear while the "REC" icon will remain on the top left of the screen. It will disappear when you click the "■stop" button on the remote control, and the PVR will finish recording.

3). Playing back the recording

In the USB drive, the recorded program will be saved in the folder "_MSTPVR" on the device.

To play back the .TS format files, use the DMP (Digital Media Player) function as shown on [page 24](#), and select Movie as the type of file to play back. Alternatively, press the Index button on the Remote Control to display the Recorded List, which shows the name of recorded DTV material on the attached USB drive.

The order of the recordings can be selected by repeatedly pressing the Index button to view in Program, Channel, or Time order.



1. Video may become pixelated if the video bit rate is too high for your USB drive, especially during recordings of high-definition material. If this occurs, try using a faster USB drive, or re-format it using the High Speed Format option. Note: This may make the drive un-readable in other USB devices.

2. The USB PVR function relies on the use of high quality USB 2.0 drives, and as such may not be compatible with some specific USB devices, for example, low-cost USB flash-drives with slower memory components, and some USB 3.0 flash-drives (operating in USB 2.0 mode) may not be compatible with this TV. Also, USB hard-drives need to be low power versions (eg. portable types), or must be used with an external power source to prevent overloading the USB socket on the TV.

9. Timeshift function

Prepare to record the program

This TV allows you to pause and record the currently watched digital TV program to a USB storage device, and to resume viewing at the point where it was paused.

NOTE:

Formatting a USB 2.0 storage device will be needed. Save the original data on your USB device before formatting. All the data stored in the USB device will be erased after formatting.

USB Drive Storage Format

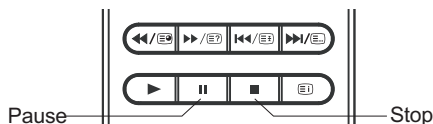
Follow the Format instructions on [page 19](#) of this Manual to format the USB device and allocate the amount of space for the Time Shift function.

NOTE:

The format process will take at least 2 minutes depending on the capacity of your USB device. Please do not turn off the power or remove the USB device during formatting. The High Speed format option is recommended for better HDTV recording results. During formatting, a speed test will be done on the USB device. If it fails, it means the USB device may not support the Time Shift function.

Record a paused DTV program to USB storage device

1. While in the DTV input source, check that your USB storage device is plugged into the USB port on the side of your TV.
2. Select a DTV channel, then press PAUSE to start the Time Shift function. The TV program will be paused on screen; the Time Shift OSD appears and recording commences. Press ►play to playback the time-paused material.
3. Press STOP to stop the Time Shift function and stop recording program.



Menu Operation

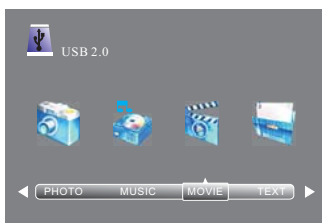
NOTE:

Please do not unplug the USB storage device when the Time Shift function is activated, as damage to the recorded file or the USB storage device may occur. Approximately 4GB of memory buffers about 30-40 minutes of DTV material.

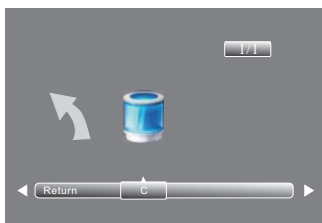
1. Video may become pixelated during recording when the Video bit rate capability of your USB device is too low. If this occurs, try using a higher speed USB drive or reformat the drive using the High Speed format option.
2. The USB Timeshift function relies on the use of high quality USB 2.0 drives, and as such may not be compatible with some specific USB devices.

10. Digital Media Player (DMP)

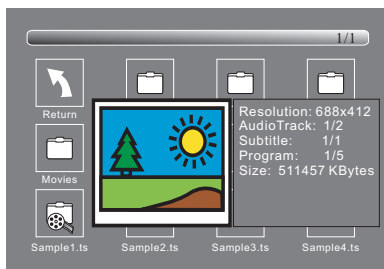
To play and view limited types of low data-rate USB media files (such as JPEG, MP3, or AVI formats), use the USB Source that is accessible from the Input button on the Remote Control. For playback of high data-rate media files the use of an external Media Player (not supplied) will be required.



Please make sure that the USB device is plugged in the slot. There are four media types that can be selected, such as Photo, Music, Movie, and Text. Select the type of media item by pressing ◀▶, press OK button to enter the disk selection menu.



Press the ◀▶ cursor buttons to select the correct disk and press OK to display the media files and folder list or press EXIT to return to the media type selection menu. Once you have selected the required media type and drive details, you can view the various files and folders on screen.



Menu Operation

Select the media file by pressing ◀▶ or ▼▲, then press OK and the preview frame will pop up if the file is playable. Press the play ▶ button to play the media file in full screen mode. When the media file (Photo, Music, Movie, or Text type) is playing, press the OK or Info button to display the control bar at the bottom of the screen.



In the control bar, press ◀▶ to select the function icon, then press the OK button to confirm the function.

Press ▼ or EXIT button to exit the control bar.

Troubleshooting

Before contacting the service technician, perform the following simple checks. If any problem persists ,unplug the TV and call for service:

PROBLEM	POSSIBLE SOLUTION
No sound and picture	<ul style="list-style-type: none">- Check whether the main plug has been connected to a wall outlet.- Check whether you have pressed the POWER button on the TV set.- Check the picture contrast and brightness setting.
Normal picture but no sound	<ul style="list-style-type: none">- Check the volume.- Sound muted? Press the MUTE button.- Try another channel, the problem may be with the broadcast.- Are the audio cables installed properly?
The remote control does not work	<ul style="list-style-type: none">- Check to see if there any object between the product and remote control causing obstruction.- Are batteries installed with correct polarity(+ to +, - to -)?- Correct remote operating mode set: TV, VCR etc.?- Install new batteries.
Power is suddenly turned off	<ul style="list-style-type: none">- Is the sleep timer set?- Check the power control settings. Power interrupted.-No broadcast on station tuned with auto activated.
Picture appears slowly after switching on	<ul style="list-style-type: none">- This is normal, the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.
No or poor color or poor picture	<ul style="list-style-type: none">- Adjust the color in menu option.- Keep a sufficient distance between the product and the VCR.- Try another channel, the problem may be with the broadcast.- Are the VIDEO cables installed properly?- Activate the any function to restore the brightness of the picture.
Horizontal/vertical bars or picture shaking	<ul style="list-style-type: none">- Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	<ul style="list-style-type: none">- Station or cable product experiencing problems. Tune to another station.- Station signal is weak, reorient antenna to receive weaker station.- Check for sources of possible interference.
Lines or streaks in pictures	<ul style="list-style-type: none">- Check the antenna(Change the direction of the antenna).
No output from one of the speakers	<ul style="list-style-type: none">- Adjust balance in menu option.

PROBLEM	POSSIBLE SOLUTION
The signal is out of range	<ul style="list-style-type: none">- Adjust resolution, horizontal frequency, or vertical frequency.- Check whether the signal cable is connected or loose.- Check the input source.
Vertical bar or stripe on back ground & Horizontal Noise & Incorrect position	<ul style="list-style-type: none">- Work the auto configure or adjust clock, phase, or H/V position.
Screen color is unstable or signal color	<ul style="list-style-type: none">- Check the signal cable.- Reinstall the PC video card.

Maintenance

Early malfunction can be prevented. Careful and regular cleaning can extend the amount of time you will have your new TV. Be sure to turn the power off and unplug the power cord before you begin any cleaning.

Cleaning the screen

1. Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then used it to wipe the screen.
2. Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

Cleaning the cabinet

To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth. Please be sure not to use a wet cloth.

Extended Absence



If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord and antenna to protect against possible damage from lightning or power surges.

Disposal of old electrical appliances



The European directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), requires that old household electrical appliances must not be disposed of in the normal unsorted municipal waste stream. Old appliances must be collected separately in order to optimize the impact on human health and the environment. The crossed out "wheeled bin" symbol on the product reminds you of your obligation, that when you dispose of the appliance, it must be separately collected. Consumers should contact their local authority or retailer for information concerning the correct disposal of their old appliance.