

Basic operations

➤ **Select input source**

Choose the current input signal of the main picture. You can press the TV AV COMP HDMI VGA button to choose the source you want or press [INPUT] button to display the signal inputs. Press [▲▼] button to select the source you wanted to enter, then press [▶/ENTER] button to confirm. You can also press the [INPUT] button continuously to choose the source you want.

➤ **Change picture mode**

It can be set as Standard, Cinema, User and Vivid. This mode achieves a certain image display effect by setting the brightness, contrast and color etc.

➤ **Change sound mode**

It can be set as Standard, Speech, User and Music. This mode achieves a special sound effect by setting equalizer.

➤ **Mute sound**

Press [MUTE] button to turn the sound off, press this button again to turn the sound back on. This function is used to switch off sound temporarily.

➤ **Set sleep timer**

It can set the TV to let it enter into the Standby state automatically, Press this button repeatedly to select the proper sleeping clock mode, and the clock tells you the remaining time before the TV enters Standby state.

➤ **Change view ratio**

Press the [ASPECT] button to select from five zoom modes: Wide, Normal, Zoom, Cinema , Dot-to-Dot .

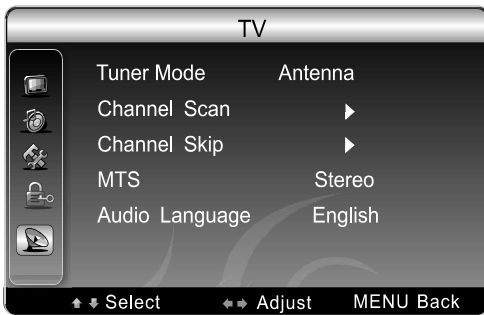
Note: The option of zoom mode is different in different sources

➤ **GUIDE**

GUIDE: Electronic programme Guide, you can see the programme information.

Changing the TV settings

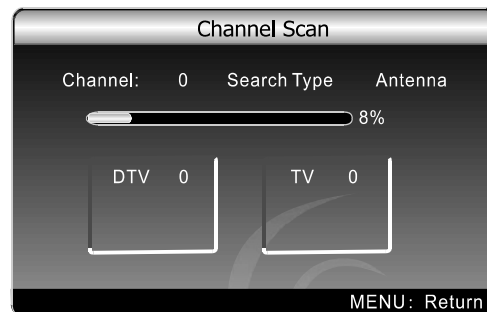
➤ Using the TV Menu



- 1 Press Menu button to display the main menu.
- 2 Press [▲/▼] button to select TV item.
- 3 Press [▶/ENTER] button to enter TV menu.
- 4 Press [▲/▼] button to select the option, press [▶/ENTER] button to enter or press [◀/Exit] button to exit.
- 5 When you are finished, press the Menu button to close the menu.

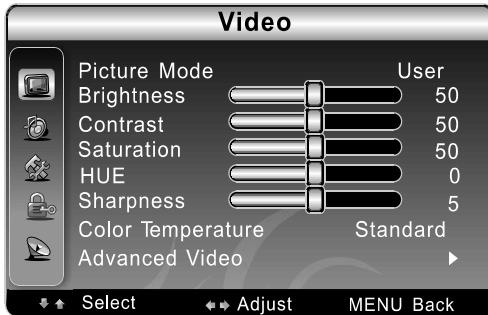
You can adjust:

- **Tuner Mode** – Select the TV signal source. You can select Antenna or Cable.
- **Channel Scan** – Scans for channels that have signals and stores the channels information in memory.
DTV: The scanned TV programmes in digital signals.
TV: The scanned programmes in analog signals.
- **Channel Skip** – Deletes a channel stored in memory.
When you press CH▲ or CH▼, your TV skips the channel you deleted. You can still tune to the channel using the number buttons on the remote control.
- **MTS** – Selects the sound mode. You can select Mono, Stereo, or SAP (Second Audio Program).
- **Audio Language** – Selects the audio language for a program.
SAP (Second Audio Program) – Depending on the particular program being broadcast, you can listen to a foreign-language translation.



Changing the TV settings

➤ Using the Video Menu



- 1 Press Menu button to display the main menu.
- 2 Press [▲▼] button to select Video item.
- 3 Press [▶/ENTER] button to enter Video menu.
- 4 Press [▲▼] button to select the option, press [▶/ENTER] button to enter or press [◀/Exit] button to exit.
- 5 When you are finished, press the Menu button to close the menu.

You can adjust:

- **Picture Mode** – Adjusts the Picture Mode. You can select Standard, Cinema, User or Vivid.
 - **Brightness** – You can increase or decrease the brightness of the picture. Increasing the brightness can add more light to dark areas of the picture, while decreasing the brightness can add more darkness to light areas of the picture.
 - **Contrast** – You can increase or decrease the contrast of the picture. Increase the contrast to adjust the white areas of the picture or decrease the contrast to adjust the black areas of the picture.
 - **Saturation** – Adjusts the intensity of the colors.
 - **Hue** – Adjusts the wave Length of the color.
 - **Sharpness** – You can increase the sharpness level for clearer images or decrease the sharpness level for smoother images.
 - **Color temperature** – Changes the color temperature. You can select the color temperature from three options: Cool, Standard or Warm.
 - **Advanced Video** – Accesses advanced video settings such as DNR, Adaptive Luma Control and Flesh Tone.
- ◇ **DNR**: It can optimize the picture signal from time and space; reduce the outside noise interference and return the pure initial signal. It has four ratings: Low, Standard, Strong and Off.
 - ◇ **Adaptive Luma Control**: According to the content of picture, it can adjust brightness automatically.
 - ◇ **Flesh Tone**: When this feature is "on" state, the TV could be the basis of image content, for color correction.



Changing the TV settings

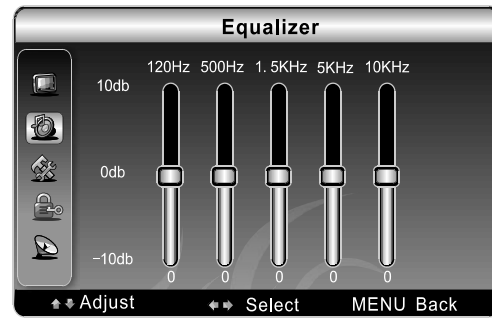
➤ Using the Audio Menu



- 1 Press Menu button to display the main menu.
- 2 Press [▲▼] button to select Audio item.
- 3 Press [▶/ENTER] button to enter Audio menu.
- 4 Press [▲▼] button to select the option, press [▶/ENTER] button to enter or press [◀/Exit] button to exit.
- 5 When you are finished, press the Menu button to close the menu.

You can adjust:

- Balance – Adjusts the volume of the left and right speakers.
- Surround Sound – Turns the surround sound effect on or off.
- Equalizer – Weaken or enlarge the sound of the main frequency points.
- SPDIF Type – Selects the SPDIF type. You can select PCM, Dolby Digital or Off.



PCM - PCM is an encoding, mainly used for analog signal, Dolby mainly used for digital signal.

Dolby - when the data stream carries Dolby signal, digital SPDIF outputs Dolby data stream.

When the data stream carries no Dolby signal, it transports PCM data stream.

Auto - when the data stream carries Dolby signal, digital SPDIF outputs Dolby data stream. When the data stream carries no Dolby signal, it transports PCM data stream.

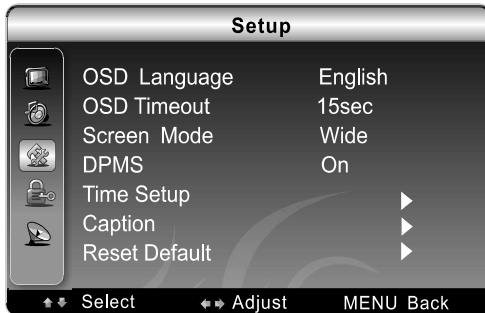
No matter the data stream carries Dolby stream or not, it outputs PCM data stream.

- Auto Volume Control – Adjust volume according to different audio signal.

Note: Via SPDIF Type, you can choose the digital audio out type. If Auto Volume Control is On, that means audio out control is activated.

Changing the TV settings

➤ Using the Setup Menu



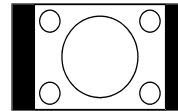
- 1 Press Menu button to display the main menu.
- 2 Press [▲▼] button to select Setup item.
- 3 Press [▶/ENTER] button to enter Setup menu.
- 4 Press [▲▼] button to select the option, press [▶/ENTER] button to enter or press [◀/Exit] button to exit.
- 5 When you are finished, press the Menu button to close the menu.

You can adjust:

- OSD Language – Use the right or left arrow button to choose the OSD Language among English, Spanish and French.
- Screen Mode – Use the arrow button to choose the screen aspect ration from Wide, Normal, Zoom, Cinema .

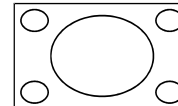
1 Normal

The original 4:3 aspect ratio (1.33:1 signal) is preserved, so black bars are added to the left and right of the image. Standard TV broadcasts are displayed with a 4:3 aspect ratio.



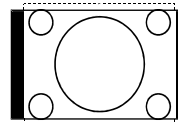
2 Wide

When watching a standard broadcast or full-frame movie in this mode, the display image is stretched proportionately to fill the TV screen. When watching a widescreen (1.78:1 signal) program or movie, the display image fills the TV screen.



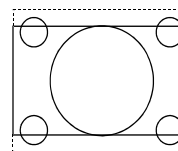
3 Zoom

Stretches the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:1.78 aspect ratio.



4 Cinema

Stretches the 4:3 aspect ratio image vertically and horizontally to fill the screen at 1:2.35 aspect ratio.

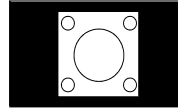


Changing the TV settings

➤ Using the Setup Menu

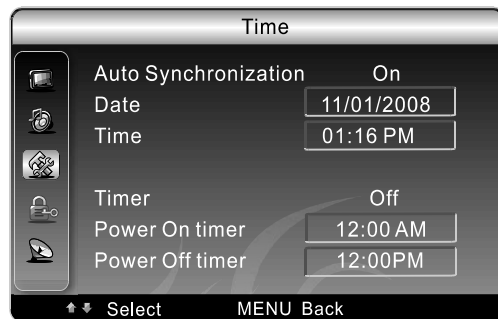
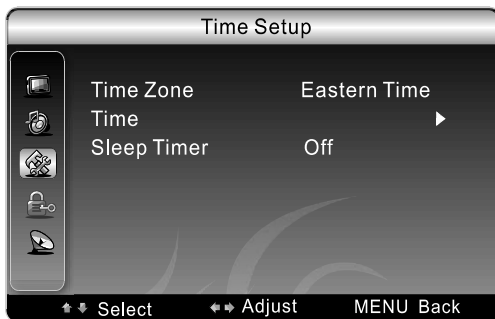
5 Dot to dot

Use the function to see the full image without any cutoff, when VGA signal is input.



■ DPMS – This is a good function for a computer monitor. When DPMS is on, the computer will control the screen on or off. For example, if the computer is in sleep mode, the screen will be switched off. If the computer is activated, the screen also is activated.

■ Time Setup – You can set up the exact time by yourself. You can also set up Sleeper Time and Auto Sleep Time.



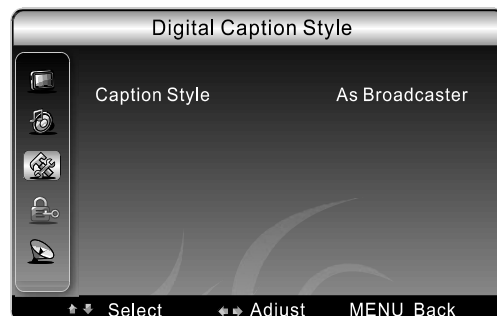
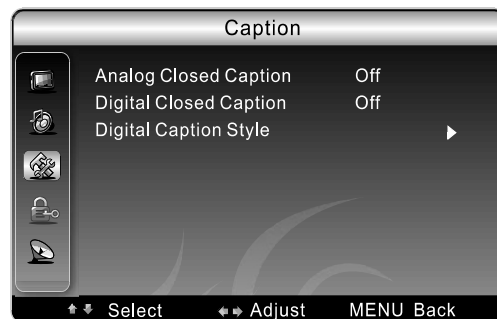
■ Caption: There are three items in it – Analog Closed Caption, Digital Closed Caption and Digital Caption Style. This is a function about caption, display caption by analog signal and display caption by digital signal.

Analog Closed Caption: CC1, CC2, CC3, CC4,
TEXT1, TEXT2, TEXT3, TEXT4.

Digital Closed Caption: Service1, Service2, Service3,
Service4, Service5, Service6.

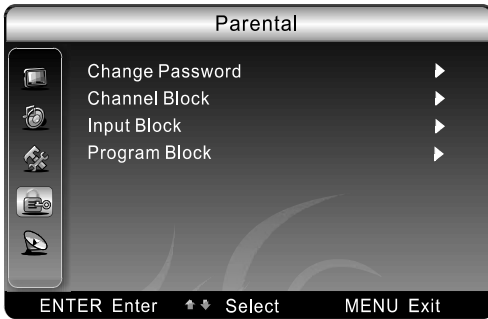
Digital Caption Style: There are two Caption Styles. One is the automatic function set as the broadcaster, while the other is the custom style where you can adjust the font size, color, opacity, background color etc., accordingly.

■ Reset Default – Every TV has its original setting before leaving the factory. So this function helps you restore these settings.



Changing the TV settings

➤ Using the Parental Menu



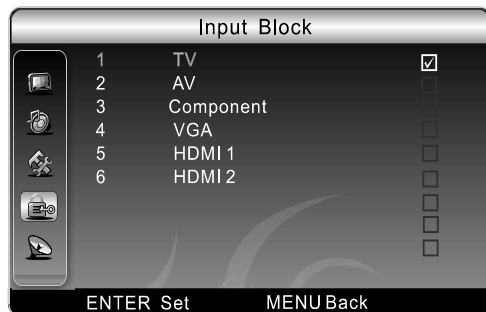
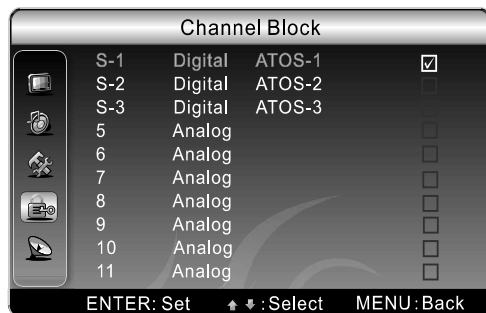
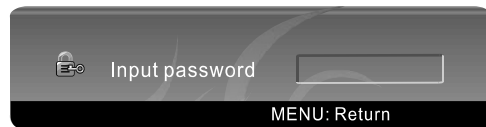
- 1 Press Menu button to display the main menu.
- 2 Press [▲▼] button to select Setup item.
- 3 Press [▶/ENTER] button to enter Setup menu.
- 4 Press [▲▼] button to select the option, press [▶/ENTER] button to enter or press [◀/Exit] button to exit.
- 5 When you are finished, press the Menu button to close the menu.

When you first use this function, the default password is [0000]. Once you input this password, you can: Press [▲▼] to highlight an option, then press [▶/▶] to adjust the option. You can adjust:

- Change Password – The first time you use this function, use the default password. If you want to change it, first enter the new password then enter the same password again.
- Channel Block – This function will let you block any channel you want.
- Input Block – You can block the input source with this function. For example, if you want to block AV input, just highlight [AV] and press [ENTER]. The AV input will not be seen in the screen.
- Clean All – This function will let you clean all the channels stored on this TV.

Note: If you choose this function, all the programs you preset will be lost.

- Program Block–
 - A. Rating Enable is on.
 - B. U. S. TV Ratings: You can choose TV ratings according to the illustration on the screen.
 - C. The settings for U. S. Movie Ratings, Canada (English) Ratings and Canada (French) Ratings follow Step B.
 If you want to block the unrated program, please turn on this function.



Changing the TV settings

➤ Using the Parental Menu

Following is the description of these ratings.

Age	Defined as
TV-Y	All children
TV-Y7	Directed to older children
TV-G	General audience
TV-PG	Parental Guidance suggested
TV-14	Parents Strongly cautioned
TV-MA	Mature Audience only

Contents	Defined as
FV	Fantasy Violence
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence

Rating	Defined as
G	General audience
PG	Parental Guidance suggested
PG-13	Parents strongly cautioned
R	Restricted
NC-17	No one 17 and under admitted
X	Adult audience only

About Canada (French)

Rating	Description
G	General
8 ans+	8+General; Not recommended for young children
13 ans+	Programming may not be suitable for children under the age of 13
16 ans+	Programming is not be suitable for children under the age of 16
18 ans+	Programming restricted to adults

About Canada (English)

Rating	Description
C	Children
C8+	Children eight years and older
G	General Programming, suitable for all audiences
PG	Parents Guidance
14+	Viewers 14 years and older
18+	Adult programming

NOTE: As you block rating, all rating higher than the ones you select are blocked as well. For example, if you choose to block the MPAA rating R, the higher ratings, NC-17 and X, are automatically blocked too.

Appendix

➤ Specification

Model Name		24K20
Dimension (W×H×D)(mm)	Without stand	564mm x 360mm x 44mm
	With stand	564mm x 407mm x 180mm
Weight(kg)	Without stand	4.5
	With stand	4.7
LCD Panel		
Minimum size (diagonal)		60
Screen resolution		1920×1080
Power consumption		35W
Audio power		1.8W+1.8W
Power supply		120V~60Hz
Receiving systems	RF	NTSC/ATSC
	AV	NTSC
Component Input		480I/60Hz、480P/60Hz、 720P/60Hz、1080I/60Hz 1080P/60Hz
VGA Input		VGA (640×480 60Hz) 、SVGA (800×600 60Hz) XVGA (1024×768 60Hz)
HDMI Input		RGB/60Hz (640×480、800×600、1024×768) YUV/60Hz (480I、480P、720P、1080I、1080P)

The remote control requires:

- Number of Batteries: 2
- Type: AAA
- Voltage: 1,5VCC

Appendix

➤ Troubleshooting

When there is something wrong with your TV, you can try turning off the TV and then restart it. You can also operate according to the following chart. If the problem still cannot be solved, please contact the professional technicians.

No sound or picture	<ol style="list-style-type: none"> 1. Check if the power line is in the outlet and if it has electricity. 2. Check if you have pressed Power button on the TV or Power button on the remote control. 3. Check the setting of picture brightness and contrast. 4. Check the volume.
The picture is normal but there is no sound	<ol style="list-style-type: none"> 1. Check the volume. 2. Check if Mute mode is set.
No picture and white or black picture	<ol style="list-style-type: none"> 1. Adjust Picture Setting. 2. Check Color System.
The sound and picture are interfered	<ol style="list-style-type: none"> 1. Try to find the appliance affecting TV set, and move it far away from the TV set. 2. Try to insert the power plug of the TV set into another outlet.
Unclear picture or picture with snow	<ol style="list-style-type: none"> 1. Check the direction, position and connection of your antenna. 2. Adjust the direction of your antenna or reset or fine tune the channel.
The remote control does not work	<ol style="list-style-type: none"> 1. Change the batteries in the remote control. 2. Clean the upper side of the remote control (radiating window) 3. Check the contacting points of the batteries. 4. Check if there is obstruction between the remote control and the monitor. 5. Check if the batteries are correctly installed.
H/V strip or the picture shaking	Check if there is an interfering source nearby, such as appliance or electric tools.
The cabinet of the TV makes "Click" sound	makes "Click" sound"Sometimes the room temperature change can cause the television cabinet to inflate or contra, which makes this sound. This does not mean the TV breaks down.

➤ Accessories

Remote control.....	1
User's Manual.....	1
Dry Cell Battery.....	2
Screws for fix Stand	3



This product contains electrical or electronic materials. The presence of these materials may, if not disposed of properly, have potential adverse effects on the environment and human health. Presence of this label on the product means it should not be disposed of as unsorted waste and must be collected separately. As a consumer, you are responsible for ensuring that this product is disposed of properly.



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