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# LED TV


## Operating Instruction

Model: BTF-32SN



Please read these instructions before operating your set and retain them for future reference.

## PRECAUTION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. This apparatus with CLASS II construction
6. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
7. No naked flame source, such as lighted candles, should be placed on the apparatus.
8. 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.
9. The batteries of remote controller shall not be exposed to excessive heat such as sunshine, fire or the like.
10. The plug or appliance coupler is used as the disconnect device, it shall remain readily operable.
11. To prevent the spread of fire, keep candles or other open flames away from this product. 
12. Clean only with dry cloth.
13. Do not install this apparatus in windtight places such as the wall-unit. Do not block any ventilation openings.
14. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
15. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
16. Only use attachments/accessories specified by the manufacturer.
17. Use only with the 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.
18. Unplug this apparatus during lightning storms or when unused for long periods of time.
19. 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.
20. The each USB terminal should be loaded with 0.5 A under normal operation;
21. Minimum distances around the apparatus for sufficient ventilation;
22. The use of apparatus in tropical and/or moderate climates.
23. Put the TV in the environment of moderate temperature, not to lay aside the Air Conditioner outlet or stove to avoid damage.
24. Use both hands when carrying TV, make TV suffer stable outside force.

Note: If the manual is inconsistent with the product, please refer to the actual product.

### **WARNING**

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. 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 set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the Television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

### **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 is not overhanging the edge of the supporting furniture.
- Not placing 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.

 **CAUTION**

Danger of explosion if battery is incorrectly replaced.  
Replace only with the same or equivalent type.  
Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.  
Used batteries should not be thrown into the garbage can, please leave them at an appropriate depot.

 **CAUTION**

Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

 **CAUTION**

These servicing instructions are for use by qualified service personnel only.  
To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

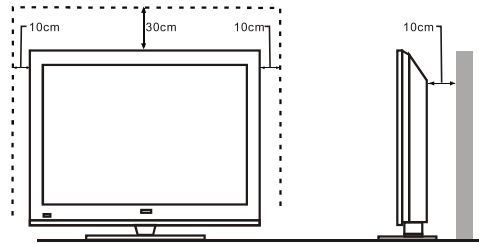
**Attention:**

Motionless picture might cause permanent destruction to the display.

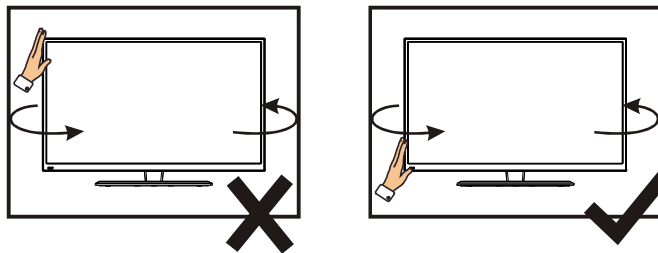
- Be sure not to display motionless picture on the LED TV for more than 2 hours, because it would cause picture remnants to appear, which is called "screen burns". To avoid such picture remnants, please decrease the "contrast" and "brightness" of the display when displaying motionless picture.
- While watching TV program in 4:3 size mode for a long time, there would be traces on the edge of the screen's left, right and center parts because of different transmission of the light on the screen. Similar impact on the screen will occur when playing DVD or connecting games control. Products destroyed by these reasons can't be guaranteed for maintenance.
- It might cause picture remnants to display electronic games and motionless picture of PC more than a period of time. To avoid such effect, please decrease the "contrast" and "brightness" when displaying motionless picture.



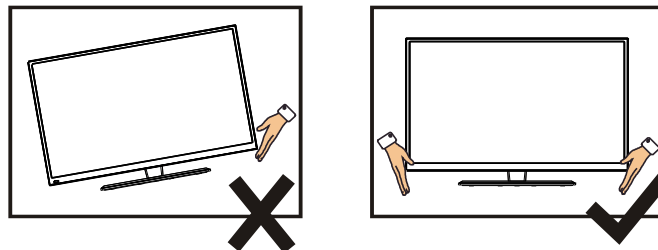
- Place the TV on a firm and flat surface, leaving a space of at least 10cm around the set and 30cm from the top of the set to the wall or cabinet. Ensure the TV is positioned close to the wall to avoid it falling when pushed.



- When you turning the TV set, do not hold the top side of the TV set, you should hold the bottom side.



- When you lifting the TV set, do not use one hand to handle it, you should lift the TV set by two hands.



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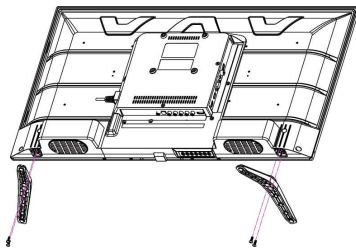
## 1.Connection and Preparation of TV

### 1.1 Accessories

- \* User Manual
- \* Remote Control
- \* Battery(UM-4/R03P/AAA)
- \* Wall Mount Kit (Pre-assembled)(Optional)

### 1.2 Installation of Stand

(For the physical structure, please refer to the real object)



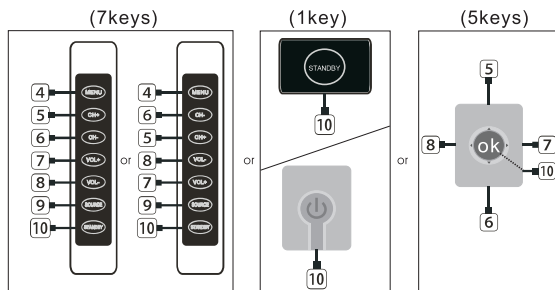
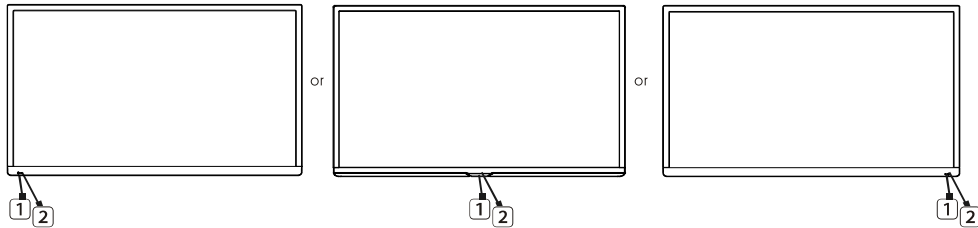
- ① Place the TV with the front panel facing downwards on the soft cloth or soft pads on a desk.
- ② Insert the stand into the bottom socket of the TV.
- ③ Insert the screws into the sockets and tighten them.

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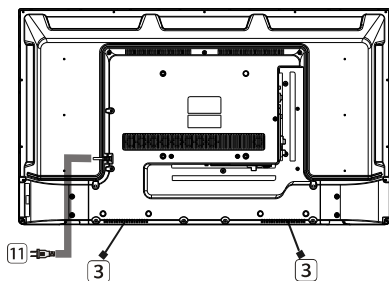


## 1.3 Keys and Interfaces

The design and specification takes actual products as the standard



- 1. Remote sensor window
- 2. Power indicator
- 3. Speaker
- 4. Menu key
- 5. Program “+” key
- 6. Program “-” key
- 7. Volume “+” key
- 8. Volume “-” key
- 9. Source key
- 10. Standby key
- 11. Power plug input



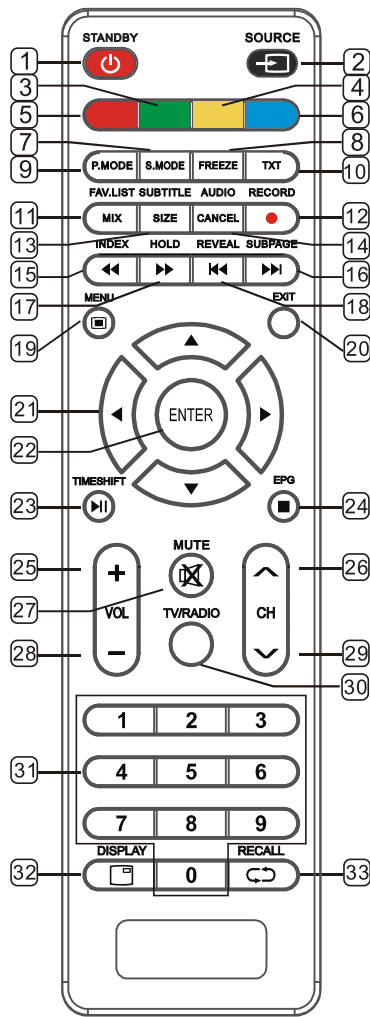


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## 1.4 Remote Control

(Here is only the sketch, please in kind prevail)



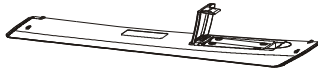
1. STANDBBY( ) : Standby turn on and off.
2. SOURCE: Select the signal source.
3. GREEN: Access the green item or page.
4. YELLOW: Access the yellow item or page.
5. RED: Access the red item or page.
6. BLUE: Access the blue item or page.
7. S.MODE: Select the sound mode.
8. FREEZE : Freeze the picture.
9. P.MODE: Select the picture Mode.
10. TXT: Enter or exit teletext.
11. FAV.LIST: Favorite channel list.  
Or MIX (under TXT): setting transparency.
12. RECORD: DTV mode record data USB disk.
13. SUBTITLE: DTV mode select subtitle mode.  
Or SIZE (under TXT): setting sizes of the character.
14. AUDIO: Select TV audio mode.  
Or CANCEL (under TXT): cancel the TXT on screen.
15. INDEX: Display the index page.  
MEDIA mode: ◀◀ Fast Backward
16. SUBPAGE: Enter the sub page mode.  
MEDIA mode: ▶▶ Next
17. HOLD: Hold the current page.  
MEDIA mode: ▶▶ Fast Forward
18. REVEAL: Reveal the hidden information.  
MEDIA Mode: ◀◀ Previous.
19. MENU : Enter or exit menu.
20. EXIT : Exit menu or operation.
21. ▲,▼,◀,▶ key: The menu item selection.
22. ENTER: Confirm or enter.
23. TIMESHIFT: DTV mode time shift.  
MEDIA mode: ▶▶ Press one time to pause, press again to playback.
24. EPG: Enter or exit EPG(Electronic Program .Guide)  
MEDIA mode: ■ Stop the playback and return to file list.
25. VOL+: Increase the volume.
26. CH▲: Select the channel forward.
27. MUTE: Mute sound.
28. VOL-: Decrease the volume.
29. CH▼ : Select the channel backward.
30. TV/RADIO: Select the TV or Radio mode.
31. 0~9 : Continue to press the keys to select a channel.
32. DISPLAY : Display the information of current video and audio.
33. RECALL: Return to previous channel.

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## 1.5 Installation of Batteries

(Here is only the sketch, please in kind prevail)



- ① Open the back lid of the remote control.
- ② Install two 7#(AAA)1.5V batteries.  
Ensure the correct polarity of the batteries.
- ③ Cover the back lid.  
Please take out of the batteries from the remote control for long time of no use.

If the remote control doesn't work properly, please carry out the following checks.

- Check the TV is turned on.
- Check the polarity of the batteries are correct.
- Check the batteries are not drained.
- Check the power supply is normal or the power cord is correctly connected.
- Check there are no special fluorescent light or neon light around.



## 2. Basic Operation

### 2.1 Power ON/OFF(optional)

- Connect the power cord to the **AC input**. Insert the power cord into the appropriate socket.
- Press the **Power switch** to switch on the TV, then press **Power** button to turn on the unit.
- Press the **Power switch** again to switch off the TV.

Note: After switch off the TV, please don't immediately re-open the power switch ,should be delayed one minute more to re-open the power switch.

### 2.2 Setting of Standby Mode

- Press (  ) button to turn on the unit.
- Press (  ) button again to return the display to standby mode. The power indicator turns red.
- Be sure not to set your TV in standby mode for a long period of time.

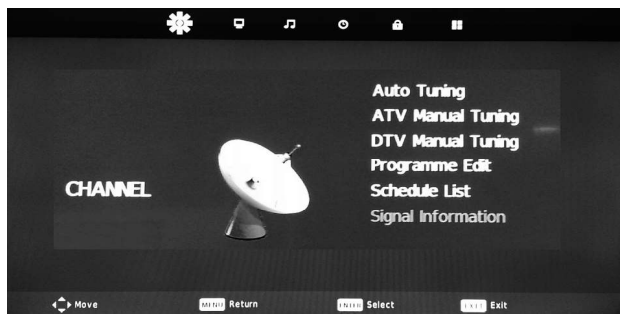
## 3、 INPUT SOURCE

- ✧ Press SOURCE to show input source list.
- ✧ Press ▲/▼ to select and ENTER to confirm.
- ✧ The menu will be automatically hidden in a few seconds, or press EXIT to clear on-screen menu.

## 4、 Menu Function Description

### 4.1 CHANNEL MENU

- ✧ The channel menu is available only in DTV mode.



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## 4.1.1 AUTO TUNING

- ✧ Auto Tuning can find out all effective channel automatically.
- ✧ Press ▲/▼ to select Auto Tuning, then press ENTER to start auto searching.
- ✧ If you want to stop searching, press EXIT, and press ◀ to confirm or ▶ to cancel.



## 4.1.2 ATV MANUAL TUNING

- ✧ Manul Tuning can search up or down, and will pause when find a channel.
- ✧ Press ◀ to search down from the current frequency, and press ▶ to search up.



## 4.1.3 PROGRAMME EDIT



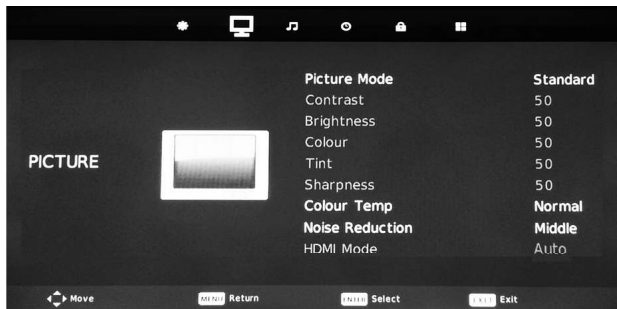
There are four shortcut keys for programming the channel.

First press ▼/▲ to highlight the channel , then:

- ✧ **Delete:** Delete the channel.
- ✧ **Rename:** Enter rename state, then press ◀ /▶ to select the word you want to change, and press ▼/▲ to select a character. (Only for ATV mode)
- ✧ **Move:** Set the channel to moving state then press ▼/▲ to move it to the position you want.
- ✧ **Skip:** Skip the selected channel. (Your TV set will skip the channel automatically when using CH+/-.)
- ✧ **ENTER:** Press to confirm.
- ✧ **Menu:** Press to return to previous menu.

## 4.2 PICTURE MENU

- ✧ Press MENU to display the main menu, and press ◀/▶ to select the Picture Menu. Highlight the item and press ▼/▲ to select corresponding sub-menu.
- ✧ **Picture Mode** : Dynamic/Standard/Mild/Personal
- ✧ **Color Temp**: Select the color temperature that you feel comfortable.
- ✧ **Noise Reduction**:You can clear up input signal by set the item.



## 4.3 SOUND MENU

- ✧ Press MENU to display the main menu, and press ◀/▶ to select the Sound Menu.
- ✧ **Sound Mode**: Standard/Music/Movie/Sports/Personal
- ✧ **Balance**: Adjust the level of sound coming from the left and right speakers.
- ✧ **Auto Volume Level**: When set on, quick volume change will be smoothed.
- ✧ **SPDIF MODE**:Press to select Off/PCM/Auto
- ✧ **AD Switch**:Press to select audio. (Only for DTV mode)



## 4.4 TIME MENU

✧ Press MENU to display the main menu, and press ◀/▶ to select the Time Menu.

✧ **Clock:** Sets the system time.

✧ **Time Zone:**select time zone

✧ **Sleep Time:** Select the time in minutes.

that you want the TV to shut off automatically after you set the time. Cancel by setting it to Off.

✧ **Auto Standby:** Press to select.

✧ **Osd Timer:** Set display time of OSD.



## 4.5 LOCK MENU

✧ Press MENU to display the main menu , and press ◀/▶ to select the Lock Menu.

✧ **System Lock:** System lock switch. (pass word"0000")

✧ **Set Password :** Set the system password lock.

✧ **Channel Lock:** Press Green button to lock or unlock the channel.

✧ **Parental Guidance:** Select the number of age which is suitable for your children.

✧ **Key Lock:**To select Off or On.

✧ **Hotel Mode:**To select Off or On.



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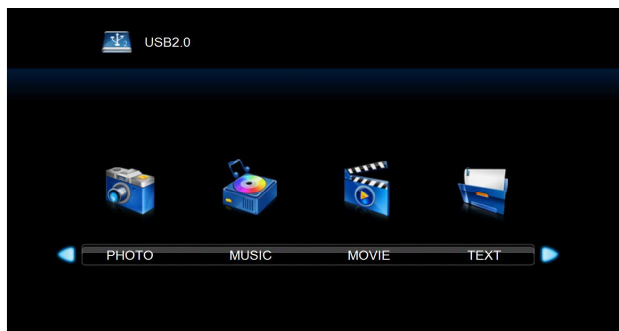
## 4.6 SETUP MENU

- ✧ Press MENU to display the main menu , and press ◀/▶ to select the SETUP Menu.
- ✧ **Language:** Set the OSD display language.
- ✧ **TT Language:** Press ▼/▲/◀/▶ button to select TT language.
- ✧ **Audio Languages/Subtitle Language:** Press to select the items. (Only for DTV mode)
- ✧ **Hearing Impaired:** Press to set the Hearing Impaired to "On" or "Off". (Only for DTV mode)
- ✧ **PVR File System:** Set the recording file system. (Only for DTV mode)
- ✧ **First Time Installation:** Press "▶" or "ENTER" to enter relevant options including OSD Language and Country.
- ✧ **Reset:** Recall the default setting.
- ✧ **Software Update(USB):** To upgrade the software.
- ✧ **Environment:** Press to set the energy star to "Home Mode" or "Shop Mode".



## 5、 MEDIA

The color of the icon means whether your TV has detected a USB memory or not. Blue: Yes; Gray: No;



Press ◀/▶ to select Photo/Music/Movie/Text icon and ENTER to enter the USB memory.  
For details,

## 5.1 PHOTO



Select a picture file and press ENTER to view, and it will display all the pictures in the folder automatically. Press ENTER to display the following menu.

**PLAY/PAUSE** Press “PLAY/PAUSE” button to play/pause the slideshow.

**NEXT/PREV.** Press “NEXT/PREV.” button to skip to view the photo which are selected the photo.

**STOP** Press “STOP” button to stop and return.

**REPEATALL** Press ENTER to select the repeat mode: Repeat 1/ALL/None.

**MUSIC** Press to play or stop the background music.

**PLAYLIST** Press to view the list of pictures.

**INFO.** Press to display the information of the current picture (Resolution/Size/Date/Time)

**ROTATE** Rotate counterclockwise.

**ZOOM IN** Zoom the picture in.

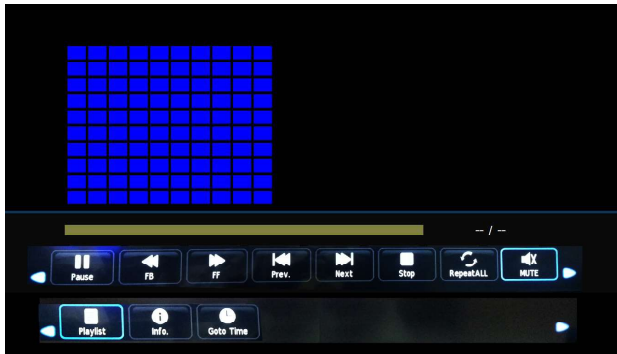
**ZOOM OUT** Zoom the picture out.

**MOVE VIEW** Zoom out the picture first.Highlight the icon and press ENTER, then press

▼/▲&◀/▶to move the picture.



## 5.2 MUSIC



Press ENTER to display the menu.

**PLAY/PAUSE** Press to play or pause.

**FB** Press to play slower.

**FF** Press to play faster.

**PREV** Press to play the previous song.

**NEXT** Press to play the next song.

**STOP** Press to stop and return to folder interface.

**REPEAT ALL** Press to select the repeat mode: Repeat 1/ALL/None.

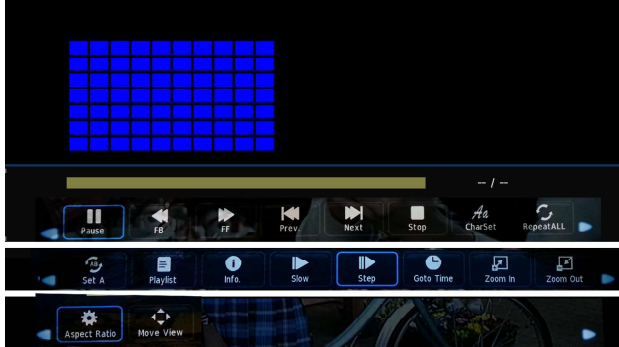
**MUTE** Press to mute.

**PLAYLIST** select "playlist" to display play list.

**INFO. Select** "info" to display the music information.

**GOTO TIME** select "goto time" to setup play time.

## 5.3 MOVIE



Press ENTER to display the menu.

**PLAY/PAUSE** Press to play or pause.

**FB** Press to play slower.

**FF** Press to play faster.

**PREV.** Press to play previous movie.

**NEXT** Press to play next movie.

**STOP** Press to stop and back to folder interface.

**CHARSET** Press to set the charset

**REPEAT ALL** Press to select the repeat mode: Repeat 1/ALL/ NONE.

**SET A** Select AB mode.

**PLAYLIST** Press to view the list of pictures.

**INFO.** Press to display the information of the current movie

**SLOW FORWARD** slow forward

**STEP FORWARD** step forward

**GOTO TIME** select "goto time" to setup play time.

**ZOOM IN** Zoom the movie in.

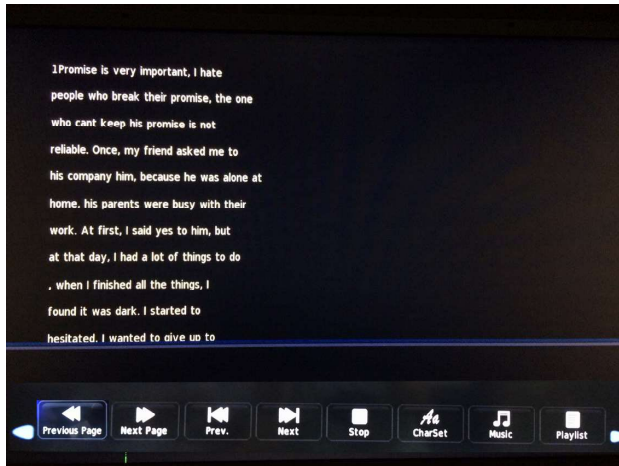
**ZOOM OUT** Zoom the movie out.

**ASPECT RADIO** Auto/4:3/ 16:9 /Zoom1/Zoom2

**MOVE VIEW** Zoom in the picture first.Highlight the icon and press ENTER, then press

▼/▲& ◀/▶ to move the movie.

## 5.4 TEXT



**PREV PAGE** Press to the previous page

**NEXT PAGE** Press to the next page.

**PREV.** Press to play previous text.

**NEXT** Press to play next text.

**STOP** Press to stop and back to folder interface.

**CHARSET** Press to set the charset

**MUSIC** Press to play or stop the background music.

**PLAYLIST** Press to view the list of texts.

# LED COLOR TV



## 6. Technical Specification

Product Model	BTF-32SN	
Screen Size	32" diagonal	
Aspect Ratio	16:9	
Power Supply	AC 100-240V~,50/60Hz	
Power Consumption	60W	
TV System	PAL B/G/D/K I, SECAM B/G D/K DVB-T/T2/C/S/S2(s/s2 option) (There is no DVB-C signal in some Countries or Areas.)	
Audio Output Power (Internal)	8Wx2	
Input Terminal	Antenna Input	x 2 (S2 option)
	USB Input	x 2
	HDMI Input	x 3
	VGA Input	x 1
	PC AUDIO Input	x 1
	Audio Input (L/R)	x 1
	Video Input	x 1
	YPbPr Input	x 1
	RJ45 Input	NO
	CI card In	NO
	SCART In/Output	NO
	DC In (12V)	NO
Output Terminal	Earphone	x 1
	Audio Line Out(L/R)	NO
	Video Output	NO
	Optical	NO
	Coaxial out	x 1
Working Temperature	0°C~40°C	
Working Humidity	20% ~ 80% Non-condensing	

*Note: the specification shown above may change without notice for quality improvement.*

## 7. Supported Signal Modes

### A.VGA Mode

Resolution	Horizontal Frequency (Khz)	Vertical Frequency (Hz)	Memo
640 x 480	31.50	60.00	
800 x 600	35.16	56.25	
	37.90	60.00	
1024 x 768	48.40	60.00	
1366x 768	47.85	60.00	
1920x 1080	67.50	60.00	Full HD panel only

*Note: You' re suggested to use the VGA connecting cord of not more than 5 meters to ensure the appropriate picture quality.*

### B.YPbPr Mode

Resolution	Horizontal Frequency (Khz)	Vertical Frequency (Hz)
480i	15.734	59.94
480p(720x480)	31.468	59.94
576i	15.625	50.00
576p(720x576)	31.25	50.00
720p(1280x720)	37.50	50.00
	45.00	60.00
1080i	28.13	50.00
	33.75	60.00
1080P(1920x1080)	67.50	60.00
	56.25	50.00

### C.HDMI Mode

Resolution	Horizontal Frequency (Khz)	Vertical Frequency (Hz)
480p	31.468	59.94
576p	31.25	50.00
720P	45.00	60.00
1080i	33.75	60.00
1080P(1920x1080)	67.50	60.00

*-When the signal received by the Display exceeds the allowed range, a warning message will appear on the screen.*

*-You can confirm the input signal format onscreen.*

## 8. Simple Troubleshooting

If the display fails or the performance changes dramatically, check the display in accordance with the following instructions. Remember to check the peripherals to pinpoint the source of the failure.

Symptom	Solution
Power cannot be turned on. (Power indicator does not light.)	-Check that both ends of the power cable are plugged into the socket appropriately and the wall socket is operational
No Input Signal message appears.	-Check that the signal line is connected properly. -Check that the power of the relevant peripherals is turned on. -Check that the Input option that has been selected matches with the input signal.
The remote control does not function properly.	-Check the batteries are not drained. (Use new batteries.) -Check that the remote control is within the operating range. -Check that the remote control is pointed to the remote control window on the display. -Check that there are no obstacles between the remote control and the remote control window.
Flashing spots or stripes appear on the screen.	-Check that there are no emission (Car, HV cable or Neon lamp) or other possible interference sources.
Image colour or quality deteriorates.	-Check that all the video settings are adjusted appropriately, such as brightness, contrast, colour etc. -For more information about video settings, refer to OSD Functions in Chapter 2.
Screen position and size are incorrect.	-Check that the screen position and size is adjusted appropriately.
Image or colour is incorrect.	-Check that the signal line is connected properly. -When connecting to a PC, you can change the resolution of the PC to acquire the correct image. The discrepancy of the PC output signal may affect the display of the image.
Display warning message.	-Check that the input signal line is properly fixed. -Select the correct input signal. -For more information, refer to Supported Signal Modes in Chapter 4.

IF PROBLEMS PRESIST, CONTACT AN APPROVED BRUHM SERVICE TECHNICIAN. ALWAYS USE A CERTIFIED TECHNICIAN/ELECTRICIAN.



### **Environment Friendly Disposal**



*You can help protect the environment!  
Please remember to respect the local regulations:  
hand in the non-working electrical equipments to  
an appropriate waste disposal center.*

BRUHM products are intended for household use only

BRUHM has policy of continuous improvement in product quality and design. The company, therefore reserves the right to change the specification of its model at any time.