制图

结构审核：　　　　　　　　　　　电子审核：　　　　　　　　　　　DQA审核：

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LED TV
Operating Instruction

Model: BTF-32AN
BTF-43AN

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 televisions 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 transmition 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.
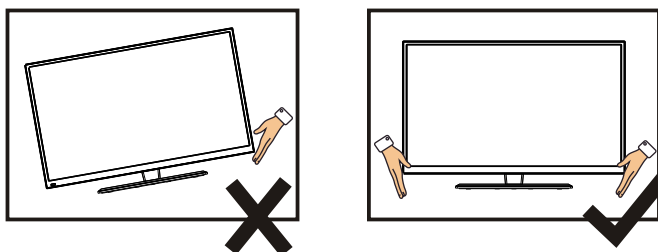
• Place the TV on a firm and flat surface,leaving a space of at lease 10cm around the set and 30cm from the top of the set to the wall or cabinet.Ensure the TV is positioned close to the wall to avoid it falling when pushed.
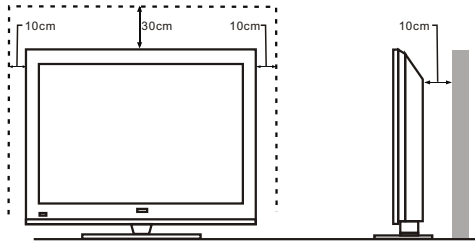
• When you turning the TV set,do not hold the top side of the TV set ,you should hold the bottom side .
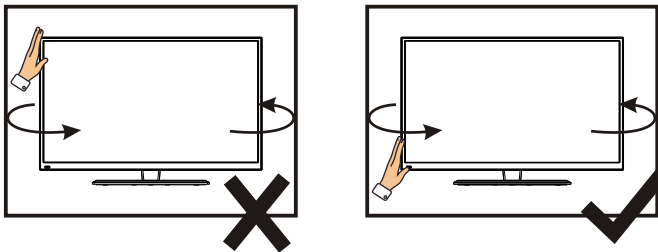
• When you lifting the TV set,do not use one hand to handle it,you should lift the TV set by two hands.

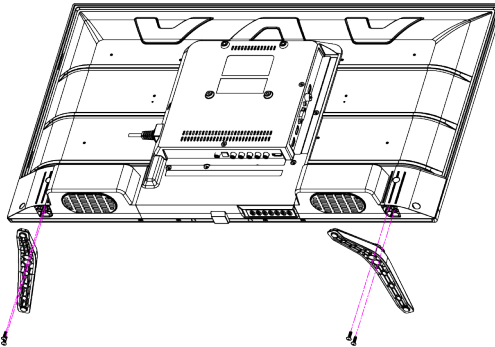# LED COLOR TV

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CONTENTS

LED COLOR TV

⑥BRÜHM.

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.
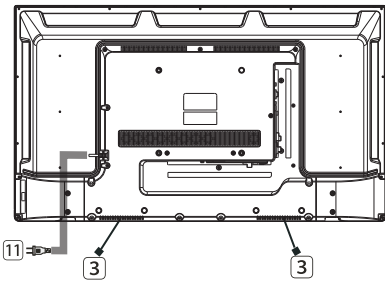
③ Insert the screws into the sockets and tighten them.

LED COLOR TV

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1.3 Keys and Interfaces

The design and specification takes actual products as the standard

or

or

(7keys)   (1key)   (5keys)
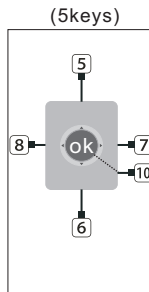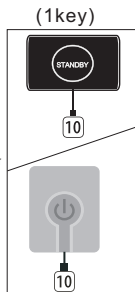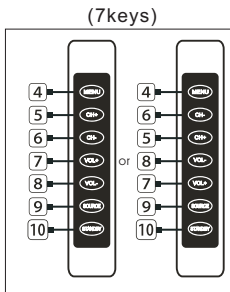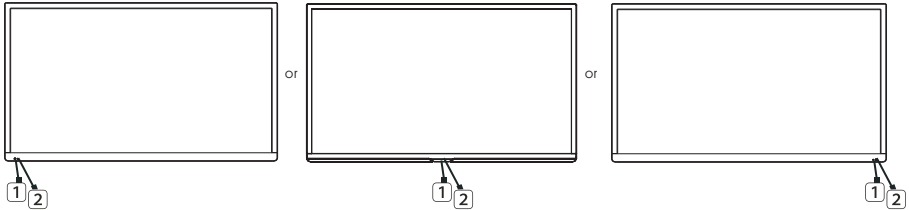
1. REMOTE SENSOR WINDOW
2. POWER INDICATOR
3. SPEAKER
4. MENU KEY
5. PROGRAM "+" KEY
6. PROGRAM "-" KEY
7. VOLUME "+" KEY
8. VOLUME "-" KEY
9. SOURCE KEY
10. STANDBY KEY
11. POWER PLUG INPUT

PC(VGA)	PC AUDIO	AV IN			USB2 USB1 5V⎓500mA	EARPHONE
		VIDEO	L	R		
		COAXIAL	HDMI1 (ARC)		HDMI2	RF IN

3

LED COLOR TV

⊛BRÜHM.

1.4 Remote Control
(Here is only the sketch, please in kind prevail)
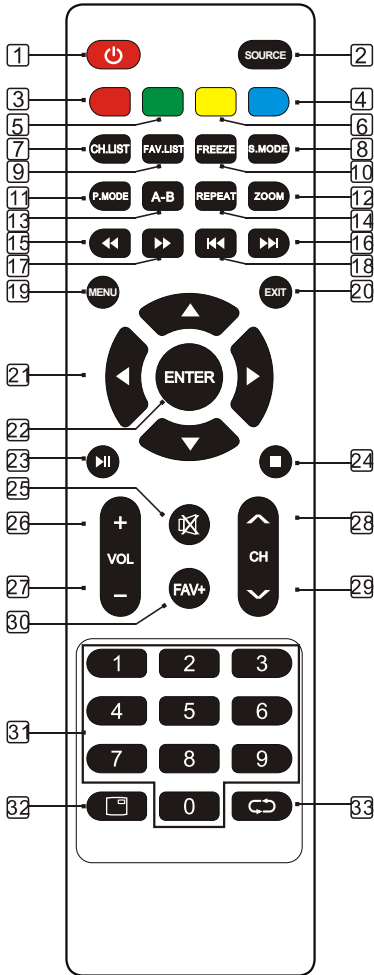
1. STANDBY : Standby turn on and off.
2. SOURCE: Select the signal source.
3. RED: Access the red item or page.
4. BLUE: Access the blue item or page.
5. GREEN: Access the green item or page.
6. YELLOW: Access the yellow item or page.
7. CH LIST: Channel list
8. S.MODE: Select the sound mode.
9. FAV.LIST: Favorite channel list
10. FREEZE: Freeze the picture.
11. P.MODE: Select the picture mode.
12. ZOOM: Zoom in or out the current picture.(Some pictures or videos may not be operated.)
13. A-B: Setup repeat play segment.
14. REPEAT: Allows you to repeat single random, shuffle and folder.
15. FB: Fast Backward
16. NEXT: Next
17. FF: Fast Forward
18. PREV.: 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. ▶ll : Press one time to pause,press again to playback.
24. ■ : Stop the playback and return to file list.
25. MUTE: Mute sound.
26. VOL+: Increase the volume.
27. VOL-: Decrease the volume.
28. CH∧:Select the channel forward.
29. CH∨:Select the channel backward.
30. FAV+: Add favorite.
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.

LED COLOR TV

⑤BRÜHM.

1.5 Installation of Batteries

(Here is only the sketch, please in kind prevail)
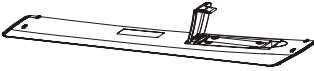
① Open the back lid of the remote control.

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.

2.3 Selection of Input Mode

This set has different signal source modes, you may continue to press the **Source** button to select a signal source.

LED COLOR TV

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When selecting the signal source, the screen will display the information.

TV mode

```
1

        PAL  BG
```
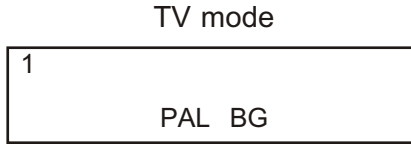
When there is no signal from the selected source, the warning message will be
Displayed as per illustration. Either change the channel in TV mode or press
Source button to change source.

```
      NO SIGNAL
```

2.4 Menu Option Adjustment

After you have installed the batteries into the remote control, you will
need to set some preferences on the LED TV, using the menu system.
- The buttons for menu option adjustment include: **Menu,▲ , ▼ , ◄ , ► Enter** buttons.

- Press the **Menu** button to open the OSD Menu, then press ◄ , ► button to select
the pages. the pages are displayed in the following sequence (circular display):

```
   ► CHANNEL → PICTURE → SOUND → TIME → OPTION ┐
```
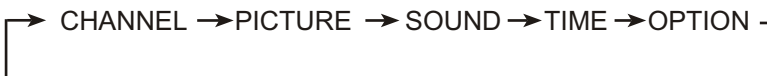
Note: "CHANNEL" is only for TV .

① Press the **Menu** button to display the menu system.
② Press ◄ , ► button to select the menu pages.
③ Press ▲ , ▼ button to select an item.
④ Press ◄ , ► button to select or adjust a setting.
⑤ If you do not make a selection within 10 seconds, the menu will close Automatically.
⑥ Press the **Menu** button to return or exit OSD menu.

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2.5 Menu Functions

(All the initial setting of menu, please consult the actual object.
User manual only detailedly describe how to operate the device)

2.5.1 CHANNEL Function

※ Adjustment of the CHANNEL

① Press the **Menu** button, and then press ◄ or ► button to the "**CHANNEL** " item.

② Press ▲ or ▼ button to highlight the "Auto Tuning","ATV Manual Tuning", "Programme Edit", then press **ENTER** button to change the setting.

③ Press the **Menu** button to return or exit.

※ In the "CHANNEL" menu,select " Auto Tuning " and then press **ENTER** button to auto search and store the channels.

※In the " CHANNEL" menu,select " ATV Manual Tuning " and then press **ENTER** Button to change the setting.
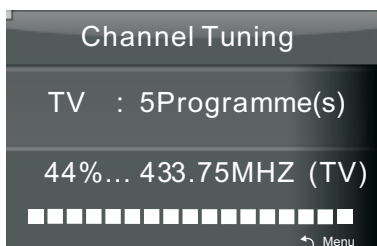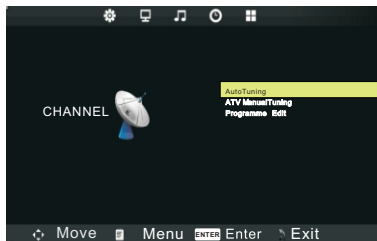
- **Current CH** Set the channel number
- **Color system** Select the color system PAL/SECAM/NTSC
- **Sound System** Select the sound system (DK/BG/M/N/I)
- **Fine-Turn** Adjust the frequency of the channel finely.
- **AFC** Automatic Fine tuning.
- **Search** Press ◄ to seach down from the current frequency, and press ► to search up.

Channel Tuning

TV　: 5Programme(s)

44%... 433.75MHZ (TV)

� Menu

ATV Manual Tuning

Current CH	1
Color System	PAL
Sound System	DK
Fine-Tune	49.75MHZ
AFC	Off
Search	

�] Menu

7

※ In the "CHANNEL" menu,select

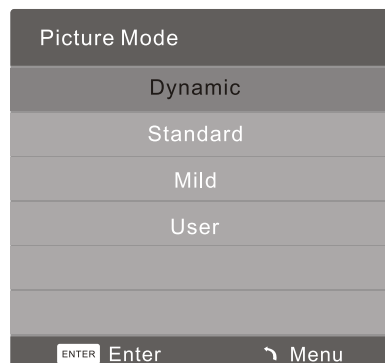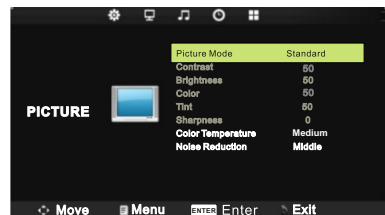"Program edit "and then press **ENTER**

button to change the setting.

- The four colored key is the shortcut key for programming the channel.
- First press ▲/▼ to highlight the channel you want to delete or rename or move or skip, then:
- Press the **Red** button to delete the channel.
- Press the **Green** button to enter the rename state, then press ◄/► to select the word you want to change, and ▲/▼ to select word.
- Press the **Yellow** button to set the channel to moving state. Then press ▲/▼ to move it to the position you want to put.
- Press the **Blue** button to skip the select channel. (Your TV set will skip the channel automatically when using CH+/- to view the channels.)
- **Fav** Add or Delete the channel to your faverate list.
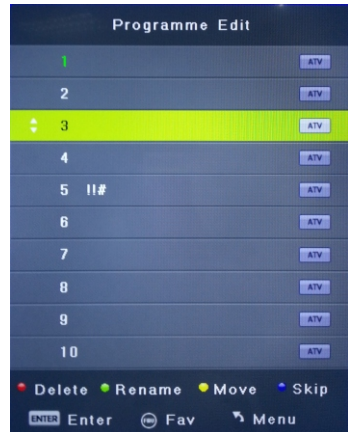
2.5.2 PICTURE Function

※ Adjustment of the PICTURE.

① Press the **Menu** button, and then press ◄ or ► button to the "**PICTURE** " item.

② Press ▲ or ▼ button to highlight the "Picture Mode" , "Color Temperature" , "Noise Reduction " item and then press **ENTER** button to enter Sub-menu.

③ In Sub-menu Press ◄ or ► button to adjust different setting.

④ Press the **Menu** button to return or exit.

※ In the "PICTURE" menu,select "Picture Mode" and then press **ENTER** Button to change the setting.

LED COLOR TV

✪BRÜHM

Color Temperature
In the "PICTURE" menu,select "Color Temperature"
and then press **ENTER** button to change   the setting:
"Cool","Medium","Warm".
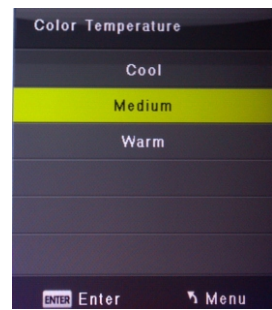
Noise Reduction
In the "PICTURE" menu,select "Noise Reduction"
and then press **ENTER** button to change   the setting:
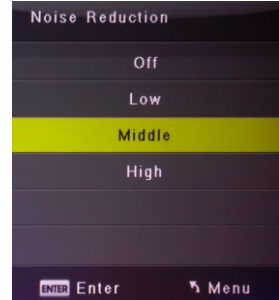"Off","Low","Middle","High".

2.5.3 SOUND Function

※ Adjustment of the SOUND

① Press the **Menu** button, and then press
◀ or ▶ button to the "**SOUND**" item.

② Press ▲ or▼ button to highlight the
"Sound Mode", "Balance" , "Surround "
"Auto Volume ",   then press **ENTER**
button to enter Sub-menu.

③ In Sub-menu Press ◀ or ▶ button to
adjust different setting.

④ Press the **Menu** button to return or exit.
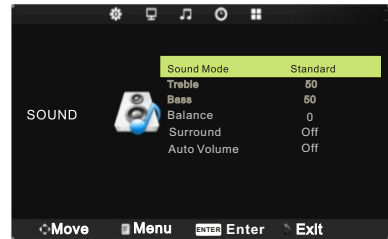
Sound Mode
In the "SOUND" menu,select " Sound Mode " and then press
▲ or ▼ button to change   the setting: "Standard","Movie",
"Music","Sports","User"

LED COLOR TV

◆BRÜHM.

2.5.4 TIME Function

※ Adjustment of the TIME

① Press the Menu button, and then press

◀ or ▶ button to the "**TIME**" item.

② Press ▲ or ▼ button to highlight the

"Sleep Timer ","Auto Sleep" or "OSD Timer"
item and then press **ENTER** button to
enter sub-menu.

③ In Sub-menu Press ▲ or ▼ button to
adjust different setting.

④ Press the Menu button to return or exit.

2.5.5 OPTION Function

※ Adjustment of the OPTION

① Press the **Menu** button, and then press

◀ or ▶ button to the "**OPTION**" item.

② Press ▲ or ▼ button to highlight the
"OSD Language","Aspect Ratio", "Blue Screen",
"Key Lock", "HDMI CEC", "Reset",
item and then press **ENTER** button to enter
Sub-menu.

③ In Sub-menu Press ◀ or ▶ button to Adjust
different setting.

④ Press the **Menu** button to return or exit.

OSD Language

In the "OPTION" menu,select " OSD Language"
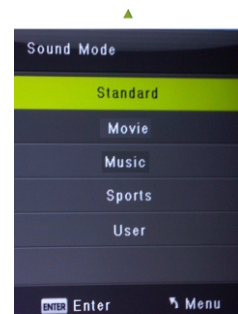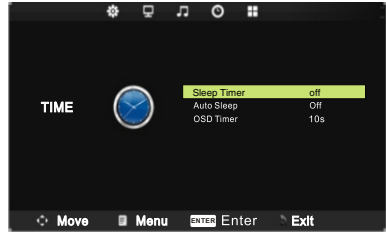and then press   **ENTER** button to change
the setting.

Aspect Ratio

In the "OPTION" menu,select "Aspect Ratio"
and then press **ENTER** button to change the setting.

LED COLOR TV

⟁BRÜHM

2.6 SCREEN MENU

Note:the Screen Menu is available in PC mode.Those items are set to adjust the pc screen.

Press ▲/▼ to highlight one of the following options,then press ENTER or ► to select it
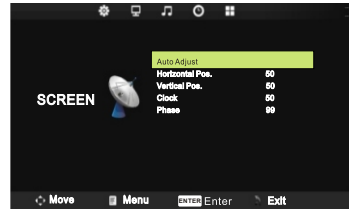
Auto Adjust Automatically adjust Clock,Phase, H-Position, and V-Position settings.

Horizontal Pos. Shift the screen up or down.

Vertical Pos. Shift the screen left or right.

Clock Adjust the internal sampling clock rate.

Phase Adjust the internal signal phase.

2.7 Multimedia
2.7.1 MEDIA Function

A. Support multimedia file:

Multimedia data	Format
Image	JPEG; BMP; PNG
Music	MP3
Video	MPEG-1(.DAT/.MPG)
	MPEG-2(.MPG/.VOB)
	MPEG-4(.AVI/.MP4)
	Digital movies
TXT	.txt

B. USB don't connect PC.
C. Compatible USB devices: The format is FAT or FAT32.
D. We cannot guarantee compatibility (operation and/or bus power) with all USB mass storage devices and assumes no responsibility for any loss of data that may occur when connected to this unit.

Please update formats for all file types (audio, photo, video)

LED COLOR TV

2.7.2 USB Function

※ Adjustment of the USB

①Press the SOURCE button, and then press ▲ or ▼ button to highlight the "MEDIA" item and then press ENTER button.

②Press ◀ or ▶ button to highlight the "PHOTO","MUSIC","MOVIE","TEXT" item and then press ENTER button.
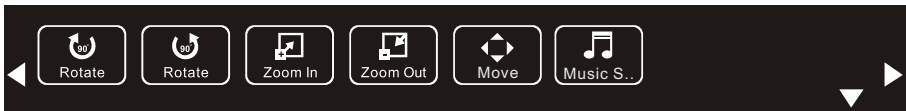
③Press the SOURCE button to return or exit.
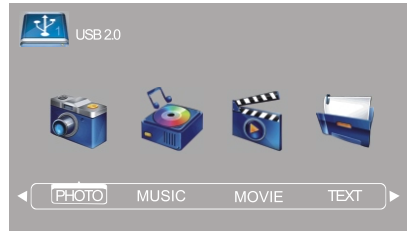
2.7.3 PHOTO

A.Press ◀ or ▶ to select folder or file, press **ENTER** button to enter next folder ,press **RECALL** to return previous folder.

B.Press ◀ or ▶ to select the **PHOTO** that you want,press **ENTER** button to select playlist than press ▶❙ button to play.

C.Press **Display** button to the media item.

D. Press ◀ or ▶ button to highlight the media and than press **ENTER** button.

| Play | Prev | Next | Stop | Repeat.All | Music off | Playlist | Info |
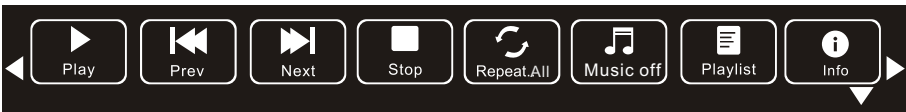
Play/pause Previous, Next, Stop, Repeat ALL, Music Off, Playlist, Info. .

| Rotate | Rotate | Zoom In | Zoom Out | Move | Music S.. |

Rotate,Rotate, Zoom In, Zoom Out, Move View, Music Source.

2.7.4 MUSIC

A.Press ◀ or ▶ to select folder or ile, press **ENTER** button to enter next folder, press **RECALL** to return previous folder.

B.Press ◀ or ▶ to select the **MUSIC** that you want,press **ENTER** button to select playlist than press ▶❙ button to play.

C.Press **Display** button to the media item.

D.Press ◀ or ▶ button to highlight the media and than press **ENTER** button

LED COLOR TV

BRÜHM

Play/pause Fast Backward, Fast Forward,Previous,Next, Stop,Repeat ALL,MUTE.
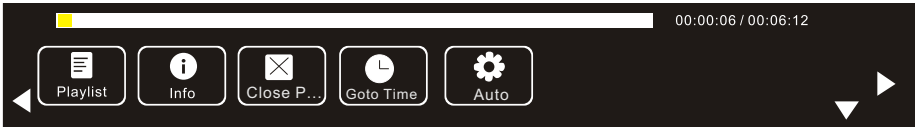
Playlist, Info,Close Panel,GotoTime,Auto.

2.7.5 MOVIE

A.Press ◀ or ▶ to select folder or ile, press **ENTER** button to enter next folder , press **RECALL** to return previous folder.

B.Press ◀ or ▶to select the **MOVIE** that you want,press **ENTER** button to select playlist than press ▶I button to play.

C.Press Display button to the media item.

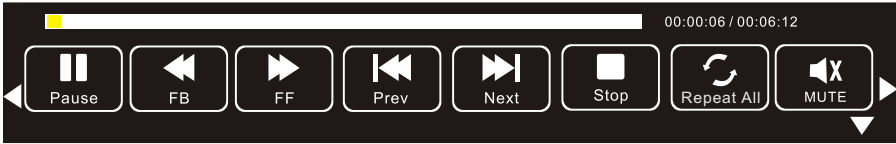D.Press ◀ or ▶ button to highlight the media and than press **ENTER** button

Play/pause,Fast Backward, Fast Forward,Previous, Next, Stop, Repeat ALL,Set A/B

Playlist,Info , Slow Fw, Step Fw, Goto Time, Zoom In, Zoom Out,Aspect Ratio

Auto,Move View.

LED COLOR TV

2.7.6 TEXT

A.Press◀ or ▶to select folder or ile, press **ENTER** button to enter next folder, press **RECALL** to return previous folder.

B.Press◀ or ▶to select the **TEXT** that you want,press **ENTER** button to select playlist than press ▶❘ button to play.

C.Press **Display** button to the media item.

D.Press◀ or ▶button to highlight the media and than press **ENTER** button

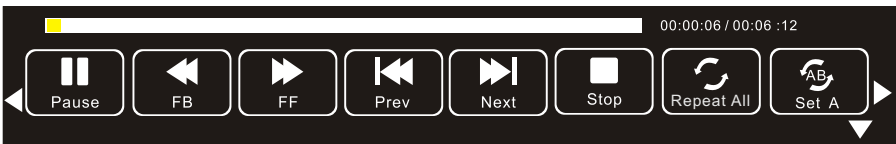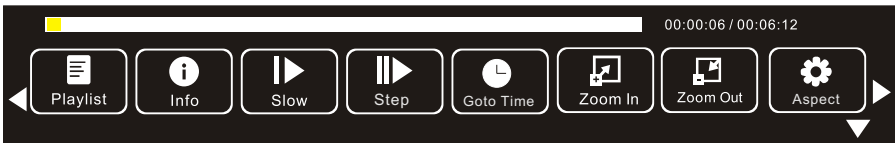| ⏪ Previous...	⏩ Next Page	⏮ Prev	⏭ Next	⏹ Stop	🎵 Music off	🗐 Playlist	ⓘ Info
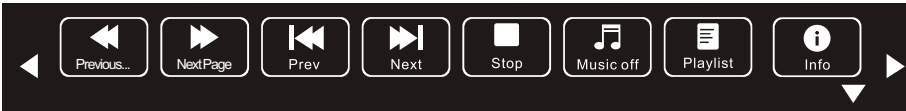
Previous Page, Next Page, Previous, Next, Stop, Music Off, Playlist, Info

🎵 Music S..	⚙ Auto

Music Source,Auto.

LED COLOR TV

BRÜHM

3.Technical Specification

Product Model	BTF-32AN	
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	
Audio Output Power (Internal)	8Wx2	
Input Terminal	Antenna Input	x 1
	USB Input	x 2
	HDMI Input	x 2
	VGA Input	x 1
	PC AUDIO Input	x 1
	Audio Input (L/R)	x 1
	Video Input	x 1
	YPbPr Input	NO
	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℃~40℃	
Working Humidity	20% ~ 80% Non-condensing	

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

LED COLOR TV

4. 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. 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.

LED COLOR TV

5. 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.

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.