JVC

ENGLISH

WIDE LCD PANEL TV
INSTRUCTIONS

Contents

PREPARATION

FUNCTIONS

REFERENCE

LT - 32EX18
LT - 42EX18

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

GGT0220-001A-H

Thank you for buying this JVC LCD panel television.
To make sure you understand how to use your new TV, please read this manual thoroughly before you begin.

- **Follow this manual regarding setup!**
  - Connect only to a 110-240 V, 50/60Hz AC outlet.
- **Make enough room for inserting and removing the power plug!**
- **Place the TV as close to the outlet as possible!**
  - The main power supply for this TV is controlled by inserting or removing the power plug.
- **Never cut or damage the power cord!**
  - If the AC plug is not the right shape, or the power cord is not long enough, use an appropriate plug adapter or extension cable. (Consult your retailer.)
- **Unplug the power cord when going out!**
  - The power buttons on the remote control and the TV unit cannot completely turn off the TV. (Make appropriate arrangements for bedridden people.)
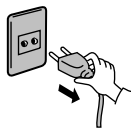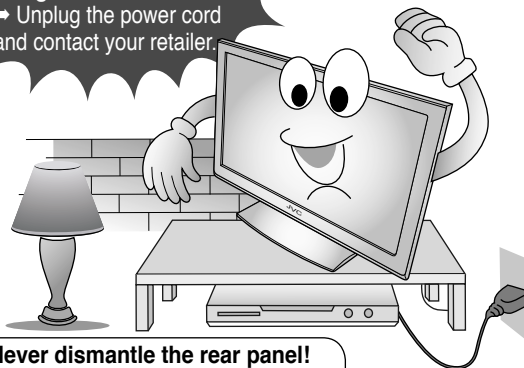
- **Do not allow the TV to fall!**
  - Do not rest your elbows on, or allow children to hang from the TV.
  - There is a risk that the TV will fall and cause injuries .

If the TV is damaged or behaving strangely, stop using it at once!
➡ Unplug the power cord and contact your retailer.

- **Never dismantle the rear panel!**
  - It may cause an electric shock.
- **Never obstruct the ventilation holes !**
  - It may cause overheating or a fire.
- **Handle LCD panel with care!**
  - Use a soft, dry cloth when cleaning.

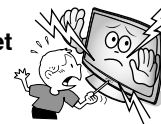- **Never place anything on the TV!**
  - Placing liquid, naked flames, cloths, paper, etc. on the TV may cause a fire.
- **Never expose to rain or moisture!**
  - To prevent fire or electric shock, never allow liquids to enter the unit.
- **Never insert objects into the cabinet openings !**
  - It may cause a fatal electric shock.
  - Take care when children are near.

- **Hold the TV so as not to scratch the screen!**
  - Do not touch the screen when carrying the TV.
- **Do not carry the TV on your own!**
  - In order to prevent accidents, ensure that the TV is carried by two or more people.
- **When attaching the TV to the wall, use the optional JVC wall mounting unit!**
  - Consult a qualified technician.
  - See the included manual on mounting procedures.
  - JVC assumes no responsibility for damage due to improper mounting.
- **Never listen to headphones at high volume!**
 - It may damage your hearing.

Never try repair the TV yourself!
➡ If the problem cannot be solved in "Troubleshooting" (P.16), unplug the power cord and contact your retailer.

・ For more details on installation, usage and safety ➡ Consult your retailer.

Remote control buttons and functions

- Insert the batteries
  Use two "AAA/R03" dry cell batteries. Insert the batteries from the ⊖ end, making sure the ⊖ and ⊕ polarities are correct.

"AAA/R03" Batteries
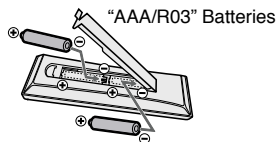
WARNING:
Batteries shall not be exposed to excessive heat such as direct sunshine, fire or the like.

Turn the volume off/on
Change channel/page

RETURN PLUS function
Return to the frequently viewed channel.

Choose the channel you want to programme

RETURN +

Press and hold ➡ Return Plus Programmed!

To cancel

RETURN +

Press and hold ➡ Return Plus Canceled!

RETURN function
If you have not set or have canceled the RETURN PLUS channel, this will return to the previously viewed channel.

Select TV or Video input
Channel information

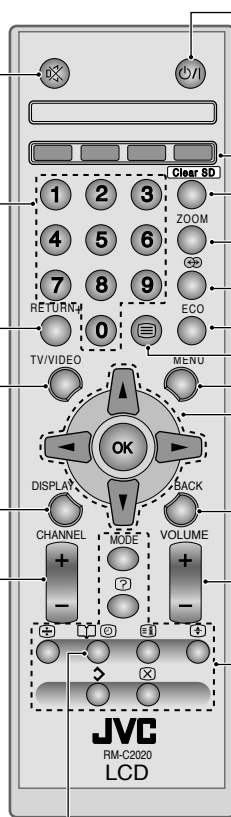## Channel selection
Select the desired channel number.
For Hyper Scan

CHANNEL

Press and hold

PR changes without changing the picture. Once you stop pressing CHANNEL+ or CHANNEL - button, picture will change to the desired PR.
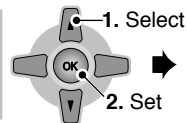
Turn the TV on from standby
Colour button
Turn on "Clear SD"

Change the aspect ratio (P. 10)

Zoom
Auto   Panoramic
Regular
Panoramic
14:9 Zoom
16:9 Zoom
Full

V-Scroll

1. Select

2. Set

⬍ 16:9 Zoom

Move the picture with ▲ or ▼ while this bar is displayed.

Turn on "Cinema Surround"
Turn on "Eco Mode"
To Teletext (P. 14)
Display on-screen menu
Operate the menu
To previous screen
Adjust the volume, Turn off muting
View the Teletext (P. 14)

JVC
RM-C2020
LCD

Favorite channel setting. (P. 13)
1. Register the favorite channel

Press and hold ➡ 📖 Set 1-4 ? ➡ Press number button (1-4 only)

Programmed! will be displayed.

2. Recall the favorite channel

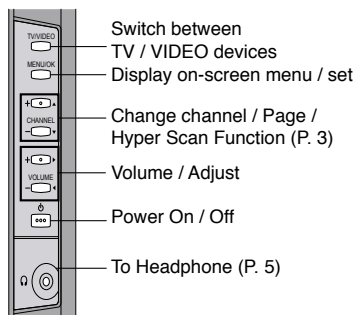Press ➡ 📖 Favorite 1-4 ? ➡ Press number button (1-4 only)

- If the favorite channel has not been registed then "No Memory" will be displayed.

3

Set up and connections

Power lamp
ON : Lit (Blue)
OFF : Unlit
   Power lamp lights
   while the TV is on.
   • "Power Lamp" (P. 13)
Remote control sensor

Switch between
TV / VIDEO devices
Display on-screen menu / set

Change channel / Page /
Hyper Scan Function (P. 3)

Volume / Adjust

Power On / Off

To Headphone (P. 5)

Care when setting

■ **Power requirements**
· Connect the power cord only to a 110-240V, 50/60Hz AC outlet.
■ **When attaching the TV to the wall, use the optional JVC wall mounting unit**
· Consult a qualified technician.
· JVC assumes no responsibility for damage due to improper mounting.
· 200mm x 200mm mount which conforms to VESA standards.
■ **Installation requirements**
· To avoid overheating, ensure the unit has ample room.

200mm

150mm 50mm   150mm   50mm
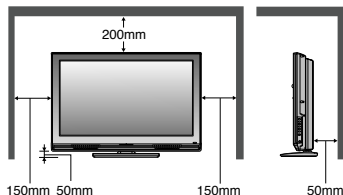
Connect an aerial and VCR / DVD Player

AERIAL

VIDEO-2
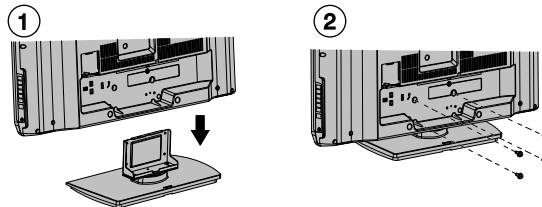
OR

VCR (DVD Player)
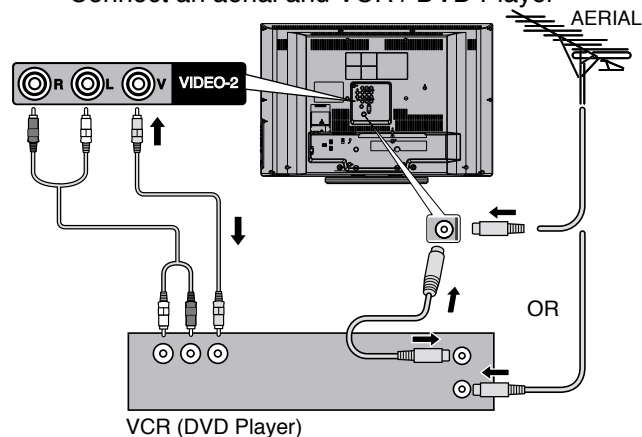
· After all the connections have been made, insert the plug into an AC outlet.

Stand Assembly
- Insert the stand into the panel at the position where the screw holes are, and fasten the screws.
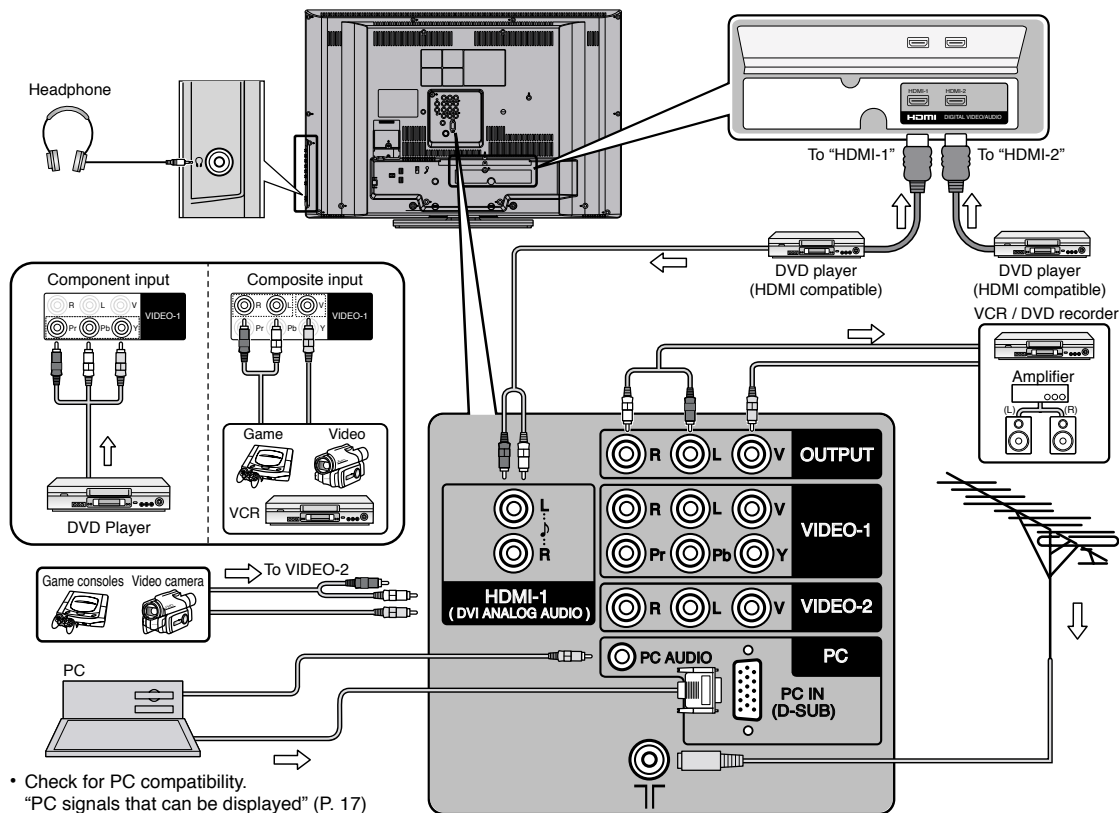
① ②

- If you have any problem with assembly, please contact a retailer or a dealership.
Note: 4 screws included.

Set up and connections (continued)

You can connect many different devices to the rear panel of the TV.
Please read the user manuals of each device before setup.
(Connecting cables are not supplied with this TV.)

Headphone

To "HDMI-1"   To "HDMI-2"

DVD player
(HDMI compatible)

DVD player
(HDMI compatible)

VCR / DVD recorder

Component input

Composite input

R L V VIDEO-1
Pr Pb Y

R L V VIDEO-1
Pr Pb Y

Game   Video

VCR

DVD Player

Game consoles Video camera   To VIDEO-2

PC

· Check for PC compatibility.
"PC signals that can be displayed" (P. 17)

Amplifier
(L)   (R)

OUTPUT   R   L   V

VIDEO-1   R   L   V
              Pr Pb Y

VIDEO-2   R   L   V

HDMI-1
(DVI ANALOG AUDIO)   L / R

PC AUDIO

PC

**PC IN
(D-SUB)**

VIDEO-1 Watching videos

Output	Input
	· Composite signal / Component signal (P. 19)
	· Sound L / R

· Use Component signal
"Video - 1 Setting" (P. 15)

VIDEO-2 Watching videos

Output	Input
	· Composite signal
	· Sound L / R

HDMI-1 Connecting
HDMI-2 HDMI devices

Output	Input
	· HDMI signal (P. 19)

· "HDMI Setting" (P. 15)
· HDMI-2 input does not support analogue audio.
· Connect a "DVI" device to "HDMI-1" (P. 17)

OUT

- Video and sound signal of a TV channel you are viewing outputs from this terminal.

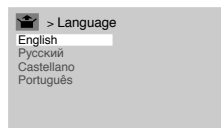| Output |
|--------|
| · Composite Signal |
| · Sound L/R |

5

Initial Settings

1. Turn on the TV

JVC

JVC logo appears

· The power on the unit can also be used.

2. Select a language

🖳 > Language
English
Русский
Castellano
Português

3. Select Country Area

1. Select
2. Set

🖳 > Country Area
Area-1
Area-2
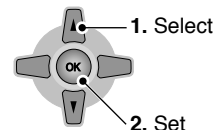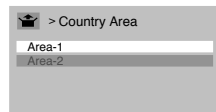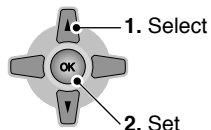
1. Select
2. Set

· To select the new Country Area after Initial Setting has completed.

MENU ➡ 1 (While the cursor is pointing to Picture menu and hold for 3 seconds.)
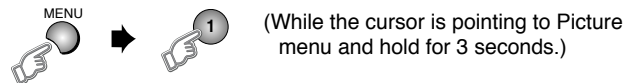
If you select Country Area to "Area-1"

4. Select the teletext language group.

🖳 > Teletext Language
Group - 1
Group - 2
Group - 3
Group - 4
Group - 5
Group - 6

Select
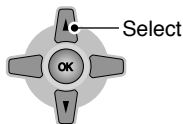
· See "Language group for teletext" (P. 17)

5. Automatically register channels (Auto Program)

OK ➡

🖳 > Auto Program
CH 09
12% [▬▬▬▬▬▬▬▬]
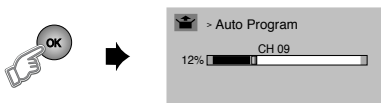
6. Check what was registered.

🖳 > Edit

PR	🔒 ID	CH/CC
01		CH 02
02	– – –	CH 03
03	– – –	CH 07
04	– – –	CH 76
05	– – –	CH 12
06	– – –	CH 09
07	– – –	CH 05
08	– – –	CH 02
09	– – –	CH 15
10	– – –	CH 28

OK

· If you want to edit channel, see "Registering / Editing channels" (P. 7)

If you select Country Area to "Area-2"

4. Select Air or Cable.

🖳 > Auto Program
Air
Cable

1. Select
2. Set
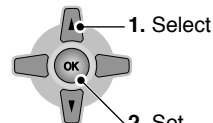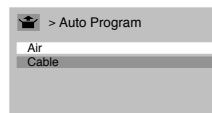
5. Searching for the channels (Auto Program)

🖳 > Auto Program
CH 09
12% [▬▬▬▬▬▬▬▬]
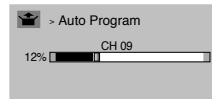
6. Check what was registered.

🖳 > Channel Summary

CH/CC	🔒 ID	Skip
CH 02		
CH 03	– – –	
CH 04	– – –	
CH 05	– – –	
CH 06	– – –	
CH 07	– – –	
CH 08	– – –	
CH 09	– – –	
CH 10	– – –	
CH 11	– – –	

OK

· If you want to set undesired channels to be skiped, see "Channel Summary" (P. 7)

Registering / Editing channels

This function is available when select Country Area to "Area-1" only.
You can edit the channel list or register new channel manually.
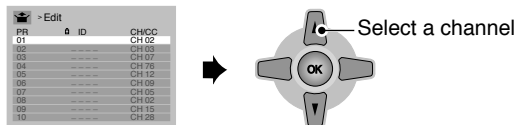
Select a channel

Move	Move a channel position

1. Start
2. Move   Finish

ID	Edit a channel name

(Red)

1. Select the character
2. Move to the next column
3. Set

Insert/Delete	Insert / Delete a channel

(Green)

1. Select a CH/CC
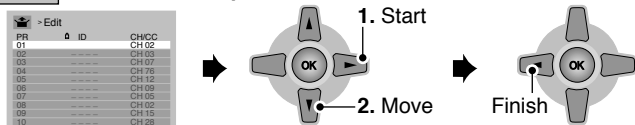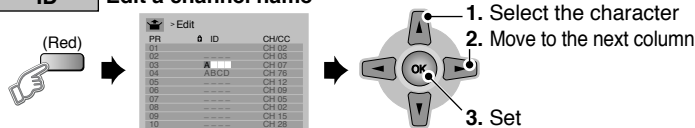2. Enter a number 0-9 button then, receives the broadcast signal.

· Delete a channel by press (Yellow) button.
· "CH/CC List" (P. 18)
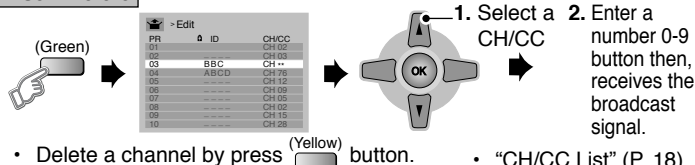
Manual	Register a new channel

(Blue)

1. Beginning channel search

(Red) or (Green)
From high frequencies   From low frequencies

2. Set

· Channel fine tunning ➡ (Yellow) / (Blue)
· If the picture or sound is unnatural ➡ 📺 for select a system.
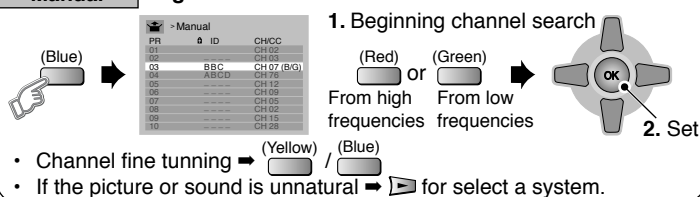
Channel Summary

This function is available when select Country Area to "Area-2" only.
You can edit the channel list.
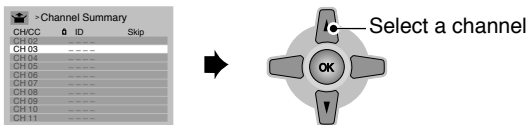
Select a channel

Skip	Skip the channel.

(Red)
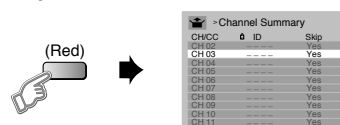
Cancel	Cancel the skip channel.

(Green)
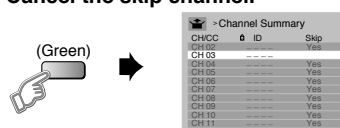
ID Edit	Edit a channel name.

(Yellow)

1. Select the character
2. Move to the next column
3. Set
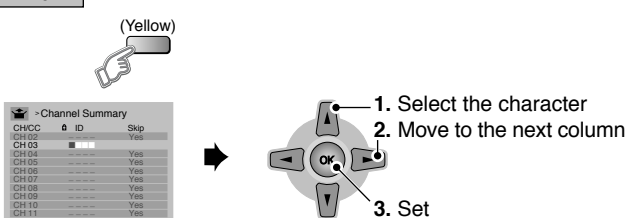
· Channels are to be skipped cannot be selected by the CHANNEL -/+ button.
· The skip can be set to all channels of Air (CH02 - CH69) and Cable (CC01 - CC125)

Operating the menus

You can select the Country Area between Area-1 and Area-2. See in item 3 of "Initial setting" (P. 6)
See the menus location in the below table.

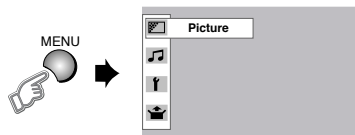| Set Country Area to "Area-1"			Set Country Area to "Area-2"		
Top Menu	**2nd Menu**	**Page**	**Top Menu**	**2nd Menu**	**Page**
Picture	Picture Mode	9	**Picture**	Picture Mode	9
	Back Light	9		Back Light	9
	Picture	9		Picture	9
	Bright	9		Bright	9
	Detail	9		Detail	9
	Color	9		Color	9
	Tint	9		Tint	9
	White Balance	9		White Balance	9
	Features	10		Features	10
Sound	Stereo / I•II	11	**Sound**	-	-
	-	-		MTS	11
	Bass	11		Bass	11
	Treble	11		Treble	11
	Balance	11		Balance	11
	Cinema Surround	11		Cinema Surround	11
Features	On Timer	12	**Features**	On Timer	12
	Sleep Timer	12		Sleep Timer	12
	Channel Guard	12		Channel Guard	12
	Blue Back	13		Blue Back	13
	Child Lock	13		Child Lock	13
	Auto Shutoff	13		Auto Shutoff	13
	Favorite Setting	13		Favorite Setting	13
	Power Lamp	13		Power Lamp	13
	Eco Mode	13		Eco Mode	13
Set Up	Auto Program	6	**Set Up**	Auto Program	6
	Edit / Manual	7		-	-
	-	-		Channel Summary	7
	Language	6		Language	6
	Video-1 Setting	15		Video-1 Setting	15
	AI Volume	11		AI Volume	11
	Appearance	13		Appearance	13
	Teletext Language	7		-	-
	HDMI Setting	15		HDMI Setting	15
	PC Setting	15		PC Setting	15
	-	-		Closed Caption	14

8

Picture setting

1. Display "Picture" menu

MENU

	Picture

1. Select

2. Enter

2. Select item and setting or adjust

Picture	
Picture Mode	< Bright >
Back Light	
Picture	
Bright	
Detail	
Color	
Tint	
White Balance	Cool
Features	>

1. Select
2. Adjust

3. Finish
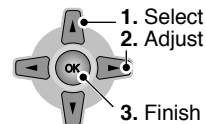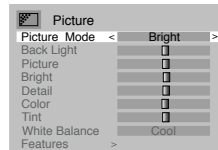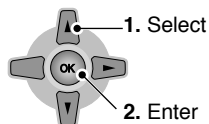
• To enter an items menu

1. Select

2. Enter
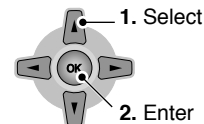
Picture Mode	You can select a preset picture setting according to your favor. Bright : Hightens contrast and sharpness. Standard : Standardize picture adjustment. Soft : Softens contrast and sharpness.
Back Light	You can change the backlight brightness. Darker ◆▶ Brighter
Picture	You can change the contrast of the picture. Lower ◆▶ Higher
Bright	You can change the brightness of the picture. Darker ◆▶ Brighter
Detail	You can change the sharpness of the picture. Softer ◆▶ Sharper
Color	You can change the color of the picture. Lighter ◆▶ Deeper
Tint	You can change tint only in NTSC. Reddish ◆▶ Greenish
White Balance	You can change the white balance of the picture to better match the type of video being view. Cool : Bluish white color. Warm : Reddish white color. Mid : Normal white color.
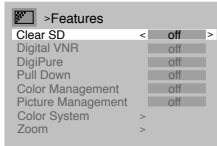
Finer Picture adjustment

```
📺 >Features
Clear SD              <   off   >
Digital VNR               off
DigiPure                  off
Pull Down                 off
Color Management          off
Picture Management        off
Color System          >
Zoom                  >
```

Features

| Clear SD | : | For clearly picture (Off / Mode-1 / Mode-2)
When Clear SD set to Mode-1 or Mode-2, then Digital VNR and DigiPure and Picture Management cannot operate. |

Clear SD : For clearly picture (Off / Mode-1 / Mode-2)
When Clear SD set to Mode-1 or Mode-2, then Digital VNR and DigiPure and Picture Management cannot operate.

Digital VNR : Reduce the amount of noise in original picture. (Off / On)

DigiPure : For natural - looking outlines (Off / On)

Pull Down : For smooth cinema film (Auto / Off / On)

Color Management : For natural - looking pictures (Off / On)

Picture Management : Fix bright / dark pictures. (Off / On)

Color System : When there is no color, change the color system.
(Area-1 : PAL / SECAM / NTSC 3.58 / NTSC 4.43 / Auto, Area-2 : PAL-M / PAL-N / NTSC / Auto)

Zoom : Change the aspect ratio.

```
📺 >>Zoom
Auto              <   Panoramic   >
Regular
Panoramic
14:9 Zoom
16:9 Zoom
Full
```
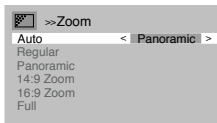
Panoramic	Regular/Slim	14:9 Zoom
16 : 9	4 : 3	14 : 9

- When 720p or 1080i or 1080p signal is received, "Full" and "Slim" can be selected.
- In PC mode, "Regular" and "Full" can be selected.

Sound setting

1. Display "Sound" menu.

2. Select item and setting or adjust.
   • Set Country Area to "Area-1"   • Set Country Area to "Area-2"

MENU

1. Select
2. Enter

Sound	
Stereo / I•II	< O ⊙ I II Mono >
Bass	
Treble	
Balance	
Cinema Surround	Off

Sound			
MTS	Stereo	SAP	Mono
	On Air1		
Bass			
Treble			
Balance			
Cinema Surround	Off		

1. Select
2. Adjust
3. Finish

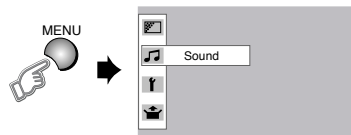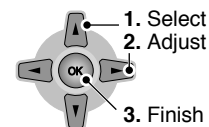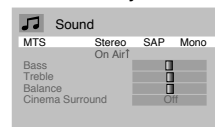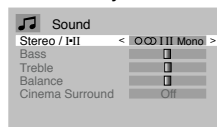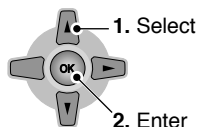| Stereo / I•II	Select the stereo, mono or bilingual language (O : Mono / ⊙ : Stereo / I : SUB1 / II : SUB2 / Mono)
MTS	Select the stereo and SAP broadcasted programs. (Stereo : Stereo sound / SAP : Second Audio Programs / Mono: mono sound)
Bass	Low tones (Weaker ↔ Stronger)
Treble	High tones (Weaker ↔ Stronger)
Balance	Speaker balance (Left Stronger ↔ Right Stronger)
Cinema Surround	Ambient sound → High ↔ Low ↔ Mono ↔ Off

• Prevent the sudden change of sound.

AI Volume Prevent sudden increase or decrease of sound when changing channels.	1. Display "Set Up" menu. MENU **1.** Select "Set Up" **2.** Enter	2. Select "AI Volume" Set Up Auto Program > Channel Summary > Language > Video-1 Setting Video AI Volume < On > Appearance Size-1 HDMI Setting > PC Setting > Closed Caption > **1.** Select "AI Volume" **2.** Adjust to On/Off This on screen is shown for Area-2 of Country Area. For Area-1, see in "Operating the menus" (P. 8)

Useful functions

1. Display "Features" menu.

MENU

🖼	
🎵	
🎚 Features	
🎭	

1. Select

OK

2. Enter

2. Select item and setting or adjust.

🎚 Features	
On Timer	>
Sleep Timer	>
Channel Guard	
Blue Back	Off
Child Lock	Off
Auto Shutoff	Off
Favorite Setting	>
Power Lamp	Off
Eco Mode	Off
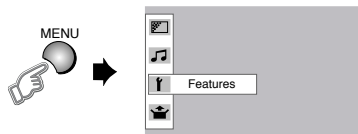
1. Select
2. Adjust
OK
3. Finish

• To enter an items menu
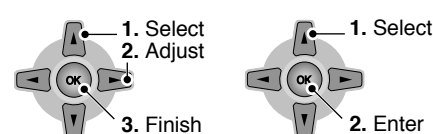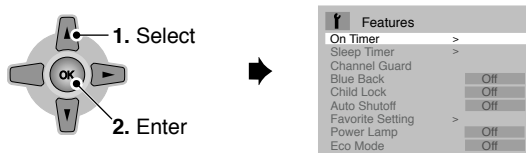
1. Select
OK
2. Enter

On Timer

TV to turn on automatically from standby mode at a set channel and time.

1. Select PR channel that you want to watch.

🎚 > On Timer	
PR	< 02 >
On Timer	00 : 00

1. Select PR channel
OK
2. Set

Note : Press ▭ (Blue) for reset time setting.

2. Set the On Timer to your desired period at time.

1. Select "On Timer"
OK

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⓪ — **2.** Select item

OK
3. Set

Sleep Timer

TV to turn off automatically to standby mode after a set time.

🎚 > Sleep Timer	
Off	0 120
	< ▭ >

1. Select a time in minutes
OK
2. Set
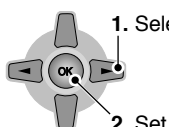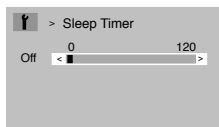
Note : When the remaining elapse is one minute, "Good Night!" appears on the screen.

Channel Guard

Stop children from watching specific channels.

1. Select "Channel Guard"

🎚 > Set ID No.	
🔒	0 0 0 0

1. Select a number
OK
2. To the next column
3. Enter
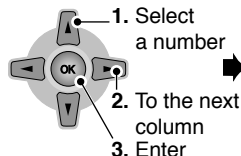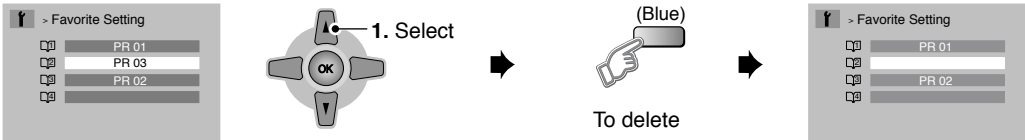
2. Select a channel and lock it (🔒 : locked)

🎚 >Channel Guard		
CH/CC	🔒 ID	Skip
CH 02	🔒 ABCD	
CH 03	– – – –	Yes
CH 04	– – – –	Yes
CH 05	– – – –	Yes
CH 06	– – – –	Yes
CH 07	– – – –	Yes
CH 08	– – – –	Yes
CH 09	– – – –	Yes
CH 10	– – – –	Yes
CH 11	– – – –	Yes

1. Select a channel
OK

Lock / Release
(Blue)
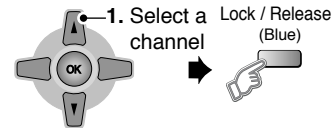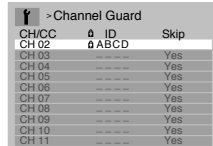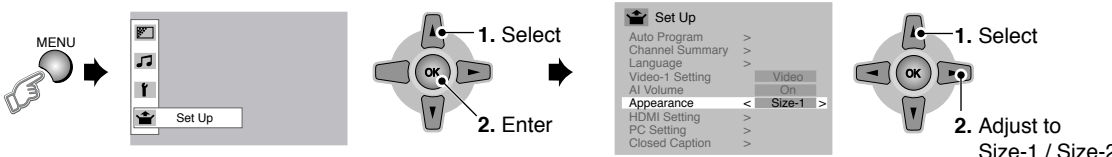
• This on screen is show for Area-2 of Country Area. For Area-1, see in "Operating the menus" (P. 8)
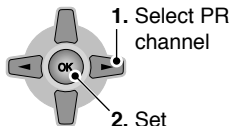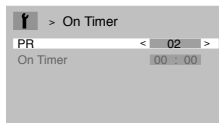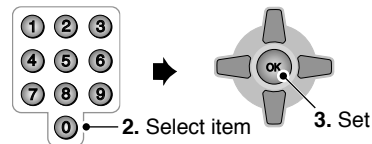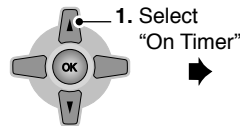• View a locked channel by use the numerical buttons to enter the channel number. When 🔒 appears, press "DISPLAY" button and enter your "ID No."

Useful functions (continued)

Blue Back	Display a blue screen and mute the sound when the signal is weak or absent. (On / Off)
Child Lock	Disables the side control buttons of the TV. (On / Off)
Auto Shutoff	Set the power to turn off if no signal is received and no operation is performed for about 15 minute. (On / Off)
Favorite Setting	Delete the favorite channel that you registered.
Power Lamp	Power lamp lights while the TV is on. (On / Off) (P. 4)
Eco Mode	Adjust contrast of light and dark according to the brightness of your room. (Off / Eco-1 / Eco-2)

・Change the on screen menu size.

Appearance Change the on-screen menu size.	1. Display "Set Up" menu.	2. Select "Appearance" This on screen is shown for Area-2 of Country Area. For Area-1, see in "Operating the menus" (P. 8)

Viewing Teletext

This function is available when select Country Area to "Area-1" only.
You can watch the Teletext broadcast channel with Text Functions.

1. TV mode <--> TEXT mode

2. Select a teletext page by press number button (0-9)

• Move up or down a page by CHANNEL +/−

	Bookmark your favorite page.
List Mode	MODE → (Red) (Green) (Yellow) (Blue) to bookmark → Press number button for enter the number of page → Save • Recall your favorite page by press the color button.
Hold	Hold the current page. • Cancel by press this button again.
Reveal	Display hidden information. • Example : answer to a quiz, etc.
Size	Double the size of the displayed text.
Index	Returns to page "100" or a previously designated page.
Cancel	Leave the current page open, while you switch to watch TV. • Useful when running a page search.
Sub-page	Display the number of Sub-page. • Cancel by press this button again.

Viewing Closed Caption

This function is available when select Country Area to "Area-2" only.

Select the input Source.

1. Select "Set Up"

MENU

Set Up

1. Select
2. Enter

2. Select "Closed Caption"

Set Up
Auto Program >
Channel Summary >
Language >
Video-1 Setting   Video
AI Volume   On
Appearance   Size-1
HDMI Setting >
PC Setting >
Closed Caption >
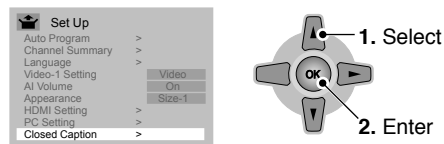
1. Select
2. Enter

3. Select the desired caption or text channel.

> Closed Caption
Closed Caption   Off
Caption   <   CC1   >
Text   T1

1. Select item
2. Setting
3. set
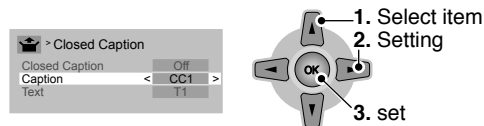
Closed Caption : Select to view close caption or text information. (Off / CC / Text)
Caption : Select the desired caption (CC1 / CC2 / CC3 / CC4)
Text : Select the desired text channel. (T1 / T2 / T3 / T4)

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Watching Video or DVDs

Select the input Source.

TV/VIDEO

AV Select
0 01
1 Video - 1
2 Video - 2
3 HDMI 1
4 HDMI 2
5 PC

1. Select

2. Set
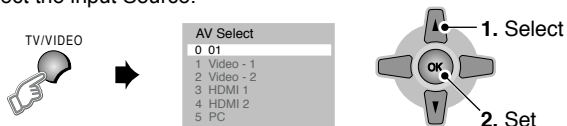
Note: TV/VIDEO button select the video source by move down or use button 0-5 for selection.

・Operate the connected device and play video.

1. Select "Set Up"

MENU

Set Up

1. Select

2. Enter

2. Select item

Set Up	
Auto Program	>
Channel Summary	>
Language	>
Video-1 Setting	Video
AI Volume	On
Appearance	Size-1
HDMI Setting	>
PC Setting	>
Closed Caption	>

1. Select item
2. Setting or Adjust
3. set
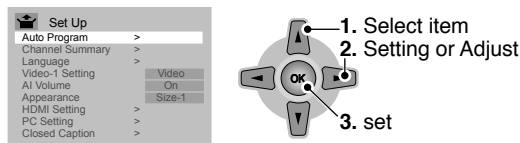
This on screen is show for Area-2 of Country Area. For Area-1, see in "Operating the menus" (P. 8)

Video - 1 Setting   Switch between video and component signal (Video / Component)

HDMI Setting   Setting for HDMI input

> HDMI Setting	
HDMI-1	
Size	< 1 >
Audio	Analogue
HDMI-2	
Size	1
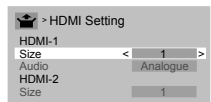
Size : Normally set to "Auto." If wrong screen size appears in 480p (525p), change to "1" or "2"
Audio: Normally set to "Auto." If no sound, change to "Analogue" or "Digital."

• "Audio" is not available for HDMI - 2

PC Setting   Setting for PC input

> PC Setting	
PC Position	>
Phase	
Pixel	

1. Select PC Position
2. Enter
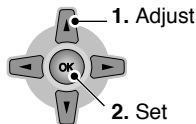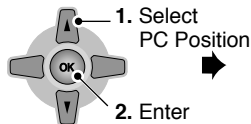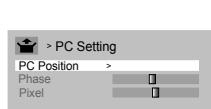
1. Adjust
2. Set

PC Position : Adjust screen position.
Phase : Sets the focus of screen.
Pixel : Adjusts the horizontal feature of screen.

Troubleshooting

If a problem occurs when you are using the TV, check the below troubleshooting guide before calling for repair.

Severe noise or snow	Page
Check the aerial cable and TV connections .	P. 4
Check the direction of the aerial.	P. 4
Check the aerial or its cable damaged or not.	--
Patterns, stripes or noise	
Interference caused by devices such as an amplifier, personal computer, or a hair drier, Move it away from TV.	--
Ghosting (Doubling of images)	
Interference occurs caused by signal reflection from mountains or building. Try to adjust the aerial's direction or use another antenna.	--
Cannot turn it on	
Ensure the power cord is connected to the AC outlet correctly.	--
Cannot operate the remote control.	
The batteries may be exhausted. Replace with new batteries.	--
Ensure that you are operation the remote control at less than 7 meters from the front of your TV.	
Remote control stops working	
Unplug TV, several minutes later plug it in again.	--
Side control buttons do not work	
Switch "Child Lock" to "Off".	P. 13
Aspect ratio changed unintentionally	
Press "ZOOM" button to return to your settings.	P. 10
PC screen alignment is off	
Adjust the "PC Position" in "PC Setting" of Set Up menu.	P. 15
Blue screen appears on the screen	
Switch "Blue Back" to "Off".	P. 13
Strange picture when using an external device	
If the top of the image is distorted, check the video signal quality itself.	--
If movement appears unnatural when receiving a signal from a DVD player, etc. with 625p (progressive-scanning), change the output setting of the external device to 625i (interlace-scanning)	--

Poor picture quality	Page
Unnatural color >> Adjust "Color" and "Back Light"	P. 9
Check "Color System". If "Auto" is selected select the specific color system manually.	P. 10
Noise >> Set to the following functions.	
Picture Mode : Standard	P. 9
DigiPure : On	P. 10
Dull picture >> Set to the following functions.	
Picture Mode : Bright	P. 9
DigiPure : On	P. 10
Poor sound	
Adjust the "Bass" and "Treble".	P. 11
If receiving a poor signal in "Stereo/I•II" switch to "Mono".	P. 11
Adjust the channel reception using "Manual".	P. 7
For HDMI signal, wrong screen size in 480p (525p).	
Switch "Size" in "HDMI setting" to "1" or "2".	P. 15
For HDMI signal, green and distorted screen	
Wait a little for the signal to stabilize when switching the signal format for an "HDMI" device.	--
For HDMI signal, No picture / No sound	
Use the cable marked with HDMI logo.	--
Check if the device is compliant with HDMI.	P. 15
Switch "Audio" in "HDMI Setting" to "Digital" or "Auto" for HDMI devices, or "Analogue" or "Auto" for DVI devices.	
Some functions do not work.	
It is not a malfunction. Some functions (dark background) in the menu do not work depending on the situation.	--
Black or white dots appear on the screen.	
LCD panels use fine dots ("pixels") to display images. While more than 99.99% of these pixels function properly, a very small number of pixels may not light, or may light all the time. It is not a malfunction.	--
No picture, No sound	
Some input do not output from OUT terminal.	--

Technical information

Language group for teletext

Group	Languages
Group-1	Turkish, Hungarian, English, German, French, Italian, Spanish, Portuguese, Greek, Swedish, Finnish
Group-2	Polish, Serbian, Croatian, Slovenian, Czech, Slovak, Rumanian, Hungarian, German, French, Italian, Swedish, Finnish
Group-3	Russian, Bulgarian, Lettish, Lithuanian, Estonian, Ukrainian, Serbian, Croatian, Slovenian, Czech, Slovak, English, German
Group-4	Arabic, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish
Group-5	Farsi, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish
Group-6	Lettish, Lithuanian, Estonian, Ukrainian, Czech, Slovak, English, German

- If the characters are unreadable. ➡ Select different teletext language group. (P. 6)

Sound and Color system in your country or region

Area	Country or Region	System	System
Asia, Middle East	Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen, Indonesia, Malaysia, Singapore, Thailand, India, etc.	B/G	PAL
	China, Vietnam, etc.	D/K	
	Hong Kong, etc.	I	
	Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.	B/G	SECAM
	Philippines, Taiwan, Myanmar, etc.	M	NTSC
Europe	Russia, etc.	D/K	SECAM
	Czech Republic, Poland, etc.		PAL
	Germany, Holland, Belgium, etc.	B/G	
	UK, etc.	I	
Oceania	Australia, New Zealand, etc.	B/G	PAL
Africa	Republic of South Africa, etc.	I	PAL
	Nigeria, etc.	B/G	
	Egypt, Morocco, etc.		SECAM
South America	Argentina, Paraguay, Uruguay		PAL-N
	Brazil		PAL-M
	Chile, Peru, Bolivia, Colombia, Venezuela, Ecuador, etc.		NTSC

PC Signals that can be displayed

- If the signal doesn't appear, check that the vertical frequency on the PC is set to "60Hz".

Resolution	640 x 480(VGA) / 1024 x 768(XGA)
Vertical frequency (Hz)	60.0

What is "Clear SD"

LCD picture is unstable due to a large number of signal noise. Such noise appears extensively especially when an LCD displays SD signals. Clear SD mode resolves disadvantage for better picture quality.

No use "Clear SD"   Use "Clear SD"

Connect "DVI" devices

Connect a "DVI" device to "HDMI-1" using "DVI-HDMI" conversion cable. Connect analogue sound output of the DVI device to L and R terminals in IN HDMI-1.
- Set "Audio" in "HDMI Setting" to "Analogue" or "Auto" (P. 15)
- HDMI-2 input does not support analogue sound (IN HDMI-1).
- HDMI-2 input does not support DVI devices.

CH / CC List

This information is used for Area-1 setting only.
To use the Insert function (P. 7), find the "CH/CC" number corresponding to the TV's channel number from this table.
US: The US channel numbers are the channel numbers used in the United States, Philippines, etc.
CCIR: The CCIR channel numbers are the channel numbers used in the Middle East, Southeast Asia, etc.
OIRT: The OIRT channel numbers are the channel numbers used in Eastern Europe, Russia, Vietnam, etc.
AUSTRALIA: The AUSTRALIA channel numbers are the channel numbers used in Australia, etc.

CH	Channel			
	US	CCIR	OIRT	AUSTRALIA
CH 02	US-02	E2	R1	AU-0
CH 03	US-03	E3		AU-1
CH 04	US-04	E4	R2	AU-2
CH 05	US-05	E5	R6	AU-6
CH 06	US-06	E6	R7	AU-7
CH 07	US-07	E7	R8	AU-8
CH 08	US-08	E8	R9	AU-9
CH 09	US-09	E9		
CH 10	US-10	E10	R10	AU-10
CH 11	US-11	E11	R11	AU-11
CH 12	US-12	E12	R12	
CH 13	US-13			
CH 14	US-14, W+29			
CH 15	US-15, W+30			
CH 16	US-16, W+31			
CH 17	US-17, W+32			
CH 18	US-18, W+33			
CH 19	US-19, W+34			
CH 20	US-20, W+35			
CH 21	US-21, W+36	E21		
CH 22	US-22, W+37	E22		
CH 23	US-23, W+38	E23		
CH 24	US-24, W+39	E24		
CH 25	US-25, W+40	E25		
CH 26	US-26, W+41	E26		
CH 27	US-27, W+42	E27		
CH 28	US-28, W+43	E28		
CH 29	US-29, W+44	E29		
CH 30	US-30, W+45	E30		
CH 31	US-31, W+46	E31		
CH 32	US-32, W+47	E32		
CH 33	US-33, W+48	E33		
CH 34	US-34, W+49	E34		
CH 35	US-35, W+50	E35		
CH 36	US-36, W+51	E36		
CH 37	US-37, W+52	E37		
CH 38	US-38, W+53	E38		
CH 39	US-39, W+54	E39		
CH 40	US-40, W+55	E40		
CH 41	US-41, W+56	E41		
CH 42	US-42, W+57	E42		
CH 43	US-43, W+58	E43		
CH 44	US-44, W+59	E44		
CH 45	US-45, W+60	E45		
CH 46	US-46, W+61	E46		
CH 47	US-47, W+62	E47		
CH 48	US-48, W+63	E48		
CH 49	US-49, W+64	E49		
CH 50	US-50, W+65	E50		
CH 51	US-51, W+66	E51		
CH 52	US-52, W+67	E52		
CH 53	US-53, W+68	E53		
CH 54	US-54, W+69	E54		
CH 55	US-55, W+70	E55		
CH 56	US-56, W+71	E56		
CH 57	US-57, W+72	E57		
CH 58	US-58, W+73	E58		
CH 59	US-59, W+74	E59		
CH 60	US-60, W+75	E60		
CH 61	US-61, W+76	E61		
CH 62	US-62, W+77	E62		
CH 63	US-63, W+78	E63		
CH 64	US-64, W+79	E64		
CH 65	US-65, W+80	E65		
CH 66	US-66, W+81	E66		
CH 67	US-67, W+82	E67		
CH 68	US-68, W+83	E68		
CH 69	US-69, W+84	E69		

CC	Channel			
	US	CCIR	OIRT	AUSTRALIA
CC 01		S-1		AU-5
CC 02		S-2		
CC 03		S-3		
CC 04		S-4		
CC 05		S-5		
CC 06		S-6		AU-5A
CC 07		S-7		
CC 08		S-8		
CC 09		S-9		
CC 10		S-10		
CC 11		S-11		
CC 12		S-12		
CC 13		S-13		
CC 14	A	S-14		
CC 15	B	S-15		
CC 16	C	S-16		
CC 17	D	S-17		
CC 18	E	S-18		
CC 19	F	S-19		
CC 20	G	S-20		
CC 21	H	S-21		
CC 22	I	S-22		
CC 23	J	S-23		
CC 24	K	S-24		
CC 25	L	S-25		
CC 26	M	S-26		
CC 27	N	S-27		
CC 28	O	S-28		
CC 29	P	S-29		
CC 30	Q	S-30		
CC 31	R	S-31		
CC 32	S	S-32		
CC 33	T	S-33		
CC 34	U	S-34		
CC 35	V	S-35		
CC 36	W	S-36		
CC 37	W+1	S-37		
CC 38	W+2	S-38		
CC 39	W+3	S-39		
CC 40	W+4	S-40		
CC 41	W+5	S-41		
CC 42	W+6			
CC 43	W+7			
CC 44	W+8			
CC 45	W+9			
CC 46	W+10			
CC 47	W+11			
CC 48	W+12			
CC 49	W+13			
CC 50	W+14			
CC 51	W+15			
CC 52	W+16			
CC 53	W+17			
CC 54	W+18			
CC 55	W+19			
CC 56	W+20			
CC 57	W+21			
CC 58	W+22			
CC 59	W+23			
CC 60	W+24			
CC 61	W+25			
CC 62	W+26			
CC 63	W+27			
CC 64	W+28			
CC 75		X		
CC 76		Y	R3	
CC 77		Z	R4	AU-3
CC 78		Z+1	R5	
CC 79		Z+2		AU-4
CC 95	A-5			
CC 96	A-4			
CC 97	A-3			
CC 98	A-2			
CC 99	A-1			

Specification

Main unit

Model	LT-32EX18	LT-42EX18
Broadcasting systems	For Area-1 setting : B / G / I / D / K / M For Area-2 setting : M / N	
Color systems	For Area-1 setting : PAL / SECAM / NTSC 3.58 / NTSC 4.43 MHz For Area-2 setting : NTSC / PAL-M / PAL-N	
Channels and frequencies	Area-1 VHF low channel (VL) =46.25 to 140.25 MHz VHF high channel (VH) = 147.25 to 423.25 MHz UHF channel (U) = 431.25 to 863.25 MHz	
	Area-2 VHF low channel (VL) =55.25 to 127.25 MHz VHF high channel (VH) = 133.25 to 361.25 MHz UHF channel (U) = 367.25 to 801.25 MHz	
	Receives cable channels in mid band (X to Z+2, S1 to S10), super band (S11 to S20) and hyper band (S21 to S41).	
Sound-multiplex systems	NICAM (I / B / G / D / K), A2 (B / G / D / K) MTS (Multi-channel Television Sound)	
Teletext systems	FLOF (Fastext), WST (Standard system)	
Power requirements	AC 110 V - 240 V, 50/60Hz	
Audio output (Rated power output)	6 W + 6 W	10 W + 10 W
Speakers	(16 cm x 4 cm) x 2	(16 cm x 4 cm) x 2
Power consumption [standby]	129 W [1.3 W]	203 W [1.2 W]
Screen size (visible area size measured diagonally)	80 cm	105 cm
Dimensions (W x H x D: mm) [without stand]	791 x 571.7 x 230.5 [791 x 520.5 x 103.9]	1014 x 698 x 296 [1014 x 646.5 x 108.7]
Weights [without stand]	12.6 kg [11.9 kg]	22 kg [20 kg]
Accessories	Remote control unit : RM-C2020 x 1 AAA/R03 dry cell battery x 2 Matching box x 1 Screw x 4	

Terminals / Connectors

Terminal name		Terminal type	Signal type (IN)	Signal type (OUT)
Input terminals	VIDEO-1	RCA connectors x 6	Composite video, Analogue component 576i (625i) / 480i (525i), Progressive : 576p (625p) / 480p (525p), HD : 1080i (1125i), 720p (750p) / 1080p (1125p) Audio L / R	
	VIDEO-2	RCA connectors x 3	Composite video, Audio L / R	
	HDMI-1	HDMI connector x 1	HDMI 576i (625i) / 480i (525i) / 576p (625p) / 480p (525p), 720p (750p) / 1080p (1125p) / 1080i (1125i)	
	HDMI-2	HDMI connector x 1		
	IN HDMI-1	RCA connectors x 2	Audio L / R	
	PC INPUT	D-SUB (15 pins) x 1	Analogue PC signal	
	PC AUDIO	PC-IN (3.5 pinjack) x 1	Audio	
Output terminals	MONITOR OUT	RCA connectors x 3		Composite video, Audio L / R
	Headphone	Stereo mini-jack x 1 (3.5 mm in diameter)		Headphone output

• We may change the design and specifications without notice.

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