ATTACHMENT E.

- USER'S MANUAL-2 -

How to Select TUNER MODE

You can choose the RF-input between off-air and cable.

MENU

Press Menu button.
Menu items appear on the screen.

1 Press up or down button to move to "channel".
Press ↵ or ▶ buttons to select "channel".

2 Press up or down button to move to Tuner Mode.
Press ↵ or ▶ buttons to select Tuner Mode.

3 Press up or down button to move to Air / Cable
and press ↵ button to select item you want.

EXIT

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

How to Store Channels Automatically

- Your TV can memorize and store all of the available analog/digital broadcast signals for both "off-air" (antenna) and cable channels.
- Before your television can begin memorizing the available channels, make sure to specify the type of the signal source (antenna or cable) connected to your TV.
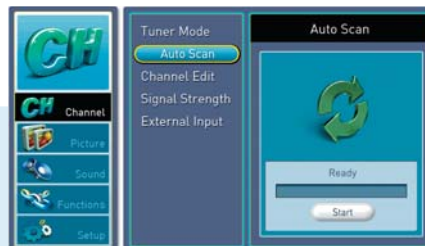
MENU

Press Menu button.
Menu items appear on the screen.

1 Press Up or Down button to move to "channel".
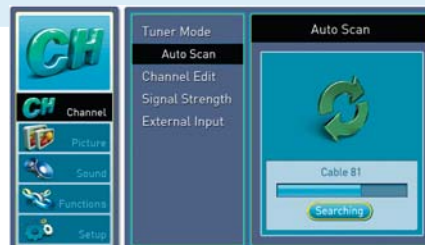Press ↵ or ▶ button to select "channel".

2 Press Up or Down button to move to "AUTO SCAN".
Press ↵ or ▶ button to select "AUTO SCAN".

3 Press ↵ button and Auto Scan is Activated

CHANNEL

TIP

- In the middle of AUTO SCAN, if you press ↵ button or Menu Button, AUTO SCAN is interrupted.
  Then the original channel is returned.
- If you have changed the connection of an antenna or cable, perform AUTO SCAN again.

How to Add/Erase Channels Manually

Users can add or erase the desired channels.

1 Press the number buttons
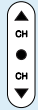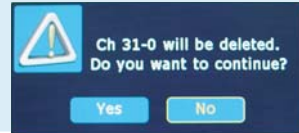on remote control to view the channels that will be
added.

2 ADD/ERASE   To Add Channel ,
Add the channel by pressing the ADD/ERASE button.

Channel Added

3 CH ● CH   To Delete Channel,
Press channel buttons or the number buttons
on remote control to erase the channel.

Ch 31-0 will be deleted.
Do you want to continue?
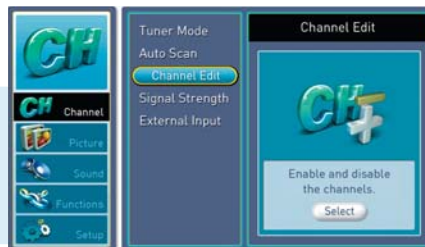Yes   No

4 ADD/ERASE   Press the ADD/ERASE button to erase the channel
Press Left and Right buttons to set 「YES/NO」.

How to Set Channel Edit and Favorite Channels

Users can store frequently watched channels to quickly access a preferred channel.

MENU

Press Menu button.
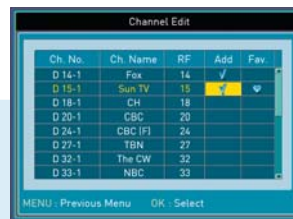**Menu items appear on the screen.**

1

Press Up or Down button to move to "channel".
Press ↵ button or ▶ to select "channel".

2

Press Up or Down button to move to "channel edit".
Press ↵ button or ▶ to select "channel edit".

3

Press ↵ button to "select".

You can channel and Favorite-channels by pressing
add/erase, Up/Down, left/right and ↵ buttons.

EXIT

Press MENU or exit button after the setting is done, and you
can save the channels you select.

How to Directly Add and Erase Favorite Channels : Press BOOK-MARK ● **button.**

How to Directly See Favorite Channels : Press FAVORITE ○ **button.**

TIP

The Favorite function is available only with remote control.

CHANNEL

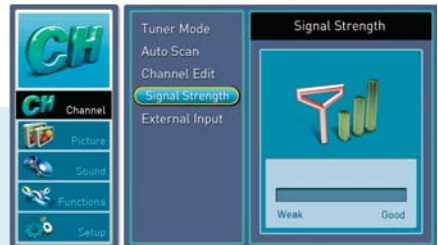# How to See Signal Strength
The function is only for DTV channel.

MENU

Press menu button.
menu items appear on the screen.

1

Press Up or Down button to move to "channel" .
Press ↵ or ▶ button to select "channel".

2

Press Up or Down button to move to "signal strength".
Press ↵ or ▶ button to select "signal strength"
then the signal strength of anntena appears
on the screen.

EXIT

Press MENU button after the setting is done and menu
goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

How to Set The Input Mode

MENU

Press Menu button.
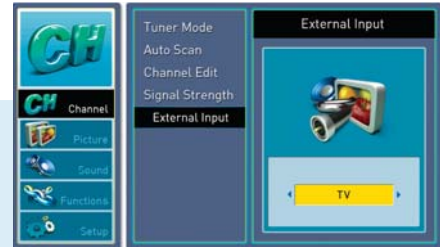**Menu items appear on the screen.**

1

Press Up or Down button to move to "channel".
Press ↵ or ▶ button to select "channel".

2

Press Up or Down button to move to "external input".
Press ↵ or ▶ button to select "external input".

3

Press left or right button to set input mode
Whenever press left/right button to set input mode
Changes in following order.
⇨TV(Air/Cable) ⇨AV1(Video1) ⇨AV2(Video2)
⇨AV3(S-Video) ⇨AV4(Component1)
⇨AV5(Component2) ⇨AV6(PC) ⇨AV7(HDMI1) ⇨AV8(HDMI2)

EXIT

Press Menu button after the setting is done and menu goes to the previous Menu.
If the Exit button is prested, the menu will disappear.

SOURCE

You can set the input mode quickly using the remote control press the ⬤ button

Whenever press this button, the input mode changes if following order

⇨TV(Air/Cable) ⇨AV1(Video1) ⇨ AV2(Video2) ⇨AV3(S-Video) ⇨AV4(Component1)
⇨AV5(Component2) ⇨AV6(PC) ⇨AV7(HDMI1) ⇨AV8(HDMI2)

CHANNEL

How to Select the Picture Mode

Users can automatically adjust the picture mode according to the input mode.
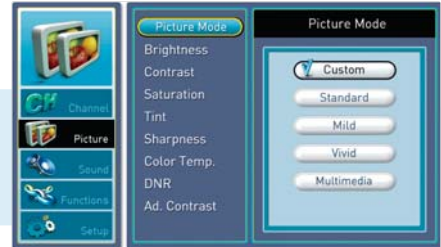
MENU

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to picture.
Press ↵ or ▶ button to select picture.

2

Press Up or Down button to move to picture mode
Press ↵ or ▶ button to select

3

Whenever you press Up or Down button, the mode changes in following order.
Custom ⇨ Standard ⇨ Mild ⇨ Vivid ⇨ Multimedia

EXIT

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

CUSTOM : When the user wants to directly set the values ➡ See the next page

STANDARD : Most video contents are appropriate to this mode

MILD : Soft display

VIVID: Clear and Vivid display

MULTIMEDIA : For multimedia screen like movies

How to Directly Select Picture Mode : PICTURE ⏮ Press Pricture button.

- Whenever press this button, the mode changes in following order. ⇨ CUSTOM ⇨ STANDARD ⇨ MILD ⇨ VIVID ⇨ MULTIMEDIA.

TIP

- If the adjustment of Contrast, Brightness, Sharpness, Saturation and Tint is changed, it's changed to the Custom mode automatically.

How to Set the Desired Picture

Users can manually adjust their desired picture.

MENU
Press Menu button.
Menu items appear on the screen.

1 Press Up or Down button to move to picture.
Press ↵ or ▶ button to select picture.

2 Press Up or Down button to move to picture mode.
Press ↵ button or ▶ to select picture mode.

3 Press Up or Down buttom to move to custom and
Press ↵ button to make a selection.

4 Press Up or Down buttom to move to "Brightness".
Press ↵ or ▶ button to select "Brightness".

5 Press Left or Right button to adjust.

EXIT
Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

BRIGHTNESS : Adjust the brightness of the entire picture.

CONTRAST : Adjust the brightness and darkness of object and background.

SATURATION : Adjust colors into deeper or lighter colors.

TINT : Adjust colors naturally.

SHARPNESS : Adjust clarity of outline of objects.

COLOR TEMP : Whenever You Press left or right button, the mode changes in
following order NORMAL ⇄ WARM ⇄ COOL

DNR : Reduce the Digital Noise in the DTV mode.

AD.CONTRAST : Adaptive contrast

TIP TINT is not applied to PC mode

PICTURE

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How to Select the Aspect Ratio

Users can manually adjust size of the screen.

16 : 9

General broadcast picture is adjusted to 16:9.

4 : 3

4:3 general picture size

ZOOM 1

Picture enlarged to 16:9 format, letter box format.

ZOOM 2

Picture which enlarges 16:9 vertically

PANORAMA

Picture size for panorama video

REAL

Real size in HDMI, Component

ASPECT

How to Directly Select Picture Mode : ◯ **Press Aspect button.**

TIP

You can use ASPECT key as follows.
- Digital TV input : 16 : 9 ⇄ 4 : 3 ⇄ Zoom 1 ⇄ Zoom 2
- Analog TV input (in Video, TV mode) : 16 : 9 ⇄ 4 : 3 ⇄ Zoom 1 ⇄ Zoom 2 ⇄ Panorama
- PC mode : 16 : 9 ⇄ 4 : 3
- HDMI,COMPONENT Input : 16 : 9 ⇄ 4 : 3 ⇄ Zoom 1 ⇄ Zoom 2 ⇄ Real

what is Real Mode?

- This Mode allows to show original display without over scanning when 1080i/p signal used in component/HDMI Input Mode.

- According to inputted video sognal. Some noise can be displayed Mode on side of screen but this noise is originally from inputted video signal.

How to Watch PIP/Double Window

Press PIP **button to set up PIP**

PIP ⇨ POP is selected whenever you press

<PIP>

<Double Window>

Press SOURCE **button to select input source of sub screen.**

Select input source of sub screen by pressing ▲ ▼ button and press OK button.

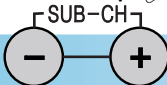**Press** SIZE **button to adjust sub screen.**

 Sub screen's size will change whenever you press.

Press SWAP **button to swap main and sub screen.**

Main and sub screen will be swapped whenever you press.

Press POSITION **button to change the position of sub screen.**

⇨ It moves left top ⇨ right top ⇨ right bottom ⇨ left bottom ⇨

⌐SUB-CH⌐

Press − + **buttons to select the channel of sub screen.**

Only in case sub screen's input is TV.

TIP

Main and sub screen can't be used for same input sources.

PICTURE

Supported PIP Table

PIP : O → Supported, X → Not Supported

Main \ Sub	TV	VIDEO 1	VIDEO 2	S-VIDEO	Component 1	Component 2	PC	HMDI 1	HDMI 2
TV	X	O	O	O	O	O	O	O	O
VIDEO 1	O	X	O	O	O	O	O	O	O
VIDEO 2	O	O	X	X	O	O	O	O	O
S-Video	O	O	X	X	O	O	O	O	O
Component 1	O	O	O	O	X	O	O	O	O
Component 2	O	O	O	O	O	X	O	O	O
PC	O	O	O	O	O	O	X	O	O
HDMI 1	O	O	O	O	O	O	O	X	X
HDMI 2	O	O	O	O	O	O	O	X	X

PICTURE

How to Select the Audio Mode

Users can adjust sound mode automatically as they want.

MENU

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to sound .
Press ↵ or ▶ button to select sound .

2

Press Up or Down button to move to sound mode
Press ↵ or ▶ button to select sound mode.

3

Mode is selected.
Whenever you press Up or Down button,
the mode changes in following order.
⇨CUSTOM ⇨STANDARD ⇨MOVIES
⇨MUSIC ⇨ SPEECH

EXIT

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

CUSTOM : When the user wants to set the value. ➧See the next page

STANDARD : General sound mode. This fits most audio contents.

MOVIES : For enjoying vivid sound.

SPEECH : For enjoying clear sound.

MUSIC : For enjoying original sound.

How to Directly Select Sound Mode : **SOUND** **Press SOUND button.**

Users can select ⇨Custom ⇨Standard ⇨Movies ⇨Music ⇨Speech

SOUND

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How to Adjust the Desired Audio Mode

Users can adjust sound mode manually as they want.

MENU ⊗

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to sound.
Press ↵ or ▶ button to move to sound.

2

Press Up or Down button to move to sound mode
Press ↵ or ▶ to select.

3

Press Up or Down button to move to custom.
and press ↵ button to make a selection.

4

Press Up or Down to select items.
(Table, Bass and blance)

5

Press ↵ or ▶ button to select items.
Move between the items listed using UP or Down button.
Adjust the level of the item selected using
Left or Right button.

EXIT ↑

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

TREBLE: Adjusts the range size of high sound.

BASS: Adjusts the range size of low sound.

BALANCE : Adjusts the balance of left and right speakers.

How to Use the Automatic Volume Control

With this Automatic Volume Level Control, everything you watch will always maintain the volume level that you decide. Basically it is set to "ON"

MENU

**Press Menu button.
Menu items appear on the screen.**

1

**Press Up or Down button to move to sound .
Press ↵ or ▶ button to select sound .**

2

**Press Up or Down button to move to AVL.
Press ↵ or ▶ button to select AVL.**

3

**Press ◀ or ▶ button to set to on/off.
Press ↵ button to set to on/off.**

EXIT

**Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.**

SOUND

TIP If the SRS TruSurround XT function is activated, the AVL is disabled.

How to Listen to SRS TruSurround XT (Surround)

Users can enjoy spectacular 3D sound.

MENU

Press Menu button.
Menu items appear on the screen.

1 **Press Up or Down button to move to sound.**
Press ↵ or ▶ button to select sound.

2 **Press Up or Down button to move to Surround.**
Press ↵ or ▶ button to select Surround.

3 **Press Left and Right buttons to set to**
「ON/OFF」.

EXIT **Press MENU button after the setting is done and menu goes to the previous menu.**
If the EXIT button is pressed, the menu will disappear.

How to Directly Select Surround : Press the SRS ◀◀ button.
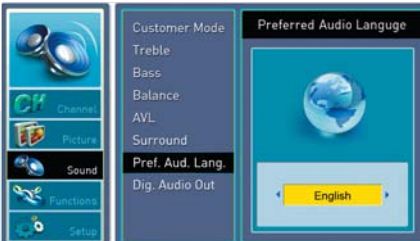
- User can select TruSurround XT ON ⇨ TruSurround XT OFF
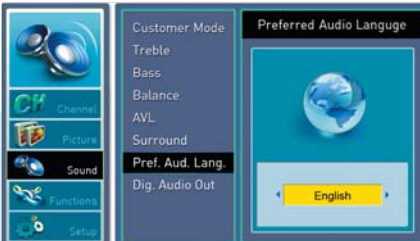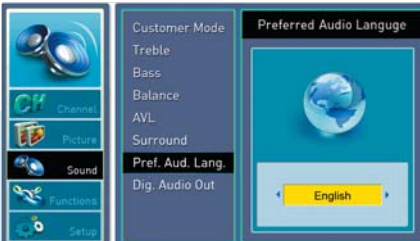
SRS TruSurround XT **is a trademark of SRS Labs, Inc.**
TruSurround XT technology is incorporated under
license from SRS Labs, Inc.

SOUND

How to Set Audio Language

While watching a digital program, you can listen to foreign language if the program is supported with foreign language.

MENU

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to sound .
Press ↵ or ▶ button to select sound .

2

Press Up or Down button to move to 「Pref.Aud.Lang」.
Press ↵ or ▶ button to select 「Pref.Aud.Lang」.

3

Whenever you press Left or Right button,
the mode shifts in following order.
⇨ ENGLISH ⇨ SPANISH ⇨ FRANCE

EXIT

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

SOUND

How to Directly Select Audio Language : Press the SAP button.

- **Whenever you press this button, the mode shifts ⇨ MONO ⇨ STEREO ⇨ SAP in order when receiving analog signals.**
  You can select one of the languages listed you prefer when receiving digital signals.

How to Set the Digital Audio Output

The digital audio output terminal allows you to enjoy digital sound.

MENU

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to sound .
Press ↵ or ▶ button to select sound.

2

Press Up or Down button to move to "Dig.Audio Out"
Press ↵ or buttons to select "Dig.Audio Out"

3

Whenever you press Left or Right button, the mode
shifts in following order.
⇔ Dolby ⇔ PCM

EXIT

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

Manufactured under license from Dolby Laboratories.
"Dolby Digital" and the double-D symbol are trademarks of Dolby Laboratories.

How to Set Auto Lock

This function is used to prevent from using the control buttons on the front top of the TV or from connecting external devices to the TV. You make sure to set a PIN number to use this function.

MENU

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to function .
Press ↵ or ▶ button to select function .

2

Press Up or Down buttons to move to "AUTO LOCK".
Press ↵ or ▶ button to select "AUTO LOCK".

3

Then the Enter PIN number window appears.
The default is 4 digits (0-0-0-0).

4

- To set Blocking :
Press Up or Down button to move to "SET BLOCKING".
Press ↵ or ▶ button to select "SET BLOCKING"

5

Press Up or Down button to move to 「ON/OFF」.
Press ↵ button to make a selection.

6

- To set Channel blocking :
Press Up or Down button to move to
"CHANNEL BLOCKING".
Press ↵ button to select " BLOCK CHANNEL".

7

Then the AUX BLOCK items appear.
Press Up or Down button to move to the
 item you want.
Press ↵ button to set to 「LOCK/UNLOCK」.
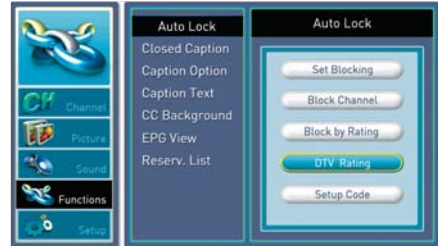If the item is set to ON, such item is disabled.

FUNCTION

Continued from previous page..... **(Set the Lock External Signal function.)**

8

- To update DTV rating :
Press Up or Down button to move to "DTV Rating".
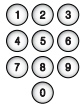**Press ⏎ button to select "DTV Rating".**

9

- To set setup code :
Press Up or Down button to select "SETUP CODE".
Press ⏎ button to select "SETUP CODE"
Then the Enter PIN number window appears.

10

Enter a 4- digit PIN number.
When the Confirm PIN number window appears,
enter the PIN number again.

EXIT

Press MENU button after the setting is done
and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

TIP

If you forgot your PIN number, Enter a 4-digit number (0-7-1-1)twice in the pin number window.

How To Set Block By Rating

This(V-Chip) is used to block program viewing based on the ratings sent by the broadcasting station.
The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked.

V-Chip rating and categories
Rating guidelines are provided by broadcasting stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

Ratings for Movies previously shown in theaters :

Movie Ratings :   - Blocking Off   (Permits all programs)
                  - G   (General audience)
                  - PG   (Parental guidance suggested)
                  - PG-13   (Parents strongly cautioned)
                  - R   (Restricted)
                  - NC-17   (No one 17 and under admitted)
                  - X   (Adult only)
                  - NR   (Not Rated)
If you set PG-13 : G and PG movies will be available , PG-13, R, NC-17 and X will be blocked.

Ratings for Television programs including made-for-TV movies :

- TV-G   (General audience)
- TV-PG   (Parental guidance suggested)
- TV-14   (Parents strongly cautioned)
- TV-MA   (Mature audience only)
- TV-Y   (All children)
- TV-Y7   (Children 7 years older)

TV Rating Children : - Age   (applies to TV-Y, TV-Y7)
                     - Fantasy Violence   (applies to TV-Y7)

TV Rating General : - Age   (applies to TV-G, TV-PG, TV-14, TV-MA)
                    - Dialogue-sexual dialogue   (applies to TV-PG, TV-14)
                    - U Language-adult language (applies to TV-PG, TV-14, TV-MA)
                    - Sex-sexual situations   (applies to TV-PG, TV-14, TV-MA)
                    - Violence   (applies to TV-PG, TV-14, TV-MA)
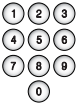
Continued on next page ......

FUNCTION

MENU

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to Auto Lock.
Press ↵ or ▶ button to select Auto Lock.
The message "Enter PIN" will appear.

2

Enter your 4-digit PIN number.

3

Press Up or Down button to move to
"BLOCK BY RATING" and press ↵ buttons
to make a selection.
The new screen will appear.

4

Press Up/Down and left/right buttons to
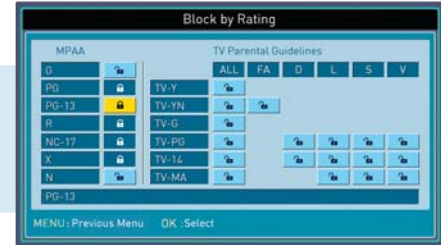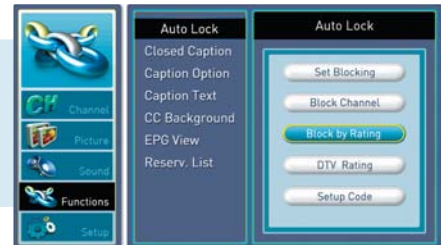select the items (MPAA and TV Parental midelines)

5

Press up/down and left/right buttons
to select the item.
Press ↵ button to make a selection.

MENU

Press MENU button after the setting is done and
menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

How to View Closed Captions

Choices in the closed caption menu are : CC Mode, Priority (Analog caption or Digital caption), and Option.

1. CC MODE :

Always On : Captioning information is always shown, when available.

Off : No captioning information is displayed.

On When Muted : Captioning information is shown, when mute.

2. PRIORITY :

You can choose whether the TV uses digital or analog captions for digital TV programs that have both or either.

- ANALOG (CAPTION) : You can select a closed caption mode, which is the mode, or source, used for displaying captioning information for analog channels or digital channels, if available.

• **CAPTION :**

The form for the words that scroll across the bottom of the TV screen : usually the audio portion of the program provided for the hearing impaired.

CC 1　　　 : For video related information that can be displayed. Script can be in any language.

CC 2/3/4 : Other modes used for video related information.

• **TEXT :**

The term for the words that appear in a large black frame and almost cover the entire screen :
Usually message provided by the broad caster.

T 1　　　 : Blanks out a large portion of the picture on the television screen, and display program guide or any other information currently being transmitted.

T 2/3/4　 : other modes that display information and blank out a large portion of the picture of the TV screen.

- DIGITAL (CAPTION) : You can select a closed caption, service mode(1-6) for digital channels.
The service modes support MPEG-2 based transport sources Service 1 and Service2 are the primary and secondary languages, respectively.
Service3 and service4.5.6 are additional caption sources that may be available.

3. OPTION :
Customized closed captioning for the digital caption by choosing the settings for the following options :

1) Caption Text

> **CAPTION SIZE : Set the size of the words - AUTO -> SMALL -> STANDARD -> LARGE**
>
> **CAPTION STYLE : Set the style of the words - AUTO -> STYLE1 -> STYLE2 -> STYLE3 -> STYLE4 -> STYLE5**
> **-> STYLE6 ->STYLE7.**
>
> **TEXT COLOR : Choose a color for the text - AUTO -> BLACK -> WHITE -> RED -> GREEN -> BLUE -> YELLOW**
> **-> MARGENTA -> CYAN**
>
> **TEXT OPACIFY : Specify the opacity for the text - AUTO -> SOLID -> TRANSPARENT -> TRANSLUCENT**
> **-> FLASHING**
>
> **EDGE STYLE : Select Edge style for the text - AUTO -> NONE -> RASIED -> DEPRESSED -> UNIFORM**
> **-> L-DROPSHADOW -> R-DROPSHADOW**
>
> **EDGE COLOR : Select Edge color for the text - AUTO -> BLACK -> WHITE -> RED -> GREEN -> BLUE -> YELLOW**
> **-> MARGENTA -> CYAN**
>
> **ITALIC : Convert the text in to italic - AUTO -> ON -> OFF**
>
> **UNDERLINE : Add the underline to the text - AUTO -> ON -> OFF**

2) cc Background

> **COLOR : Set the color of the cc Background AUTO -> BLACK -> WHITE -> RED -> GREEN -> BLUE -> YELLOW**
> **-> MARGENTA -> CYAN**
>
> **OPACIFY : Specify the opacity for the - AUTO -> SOLID -> TRANSPARENT -> TRANSLUCENT -> FLASHING**

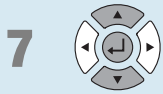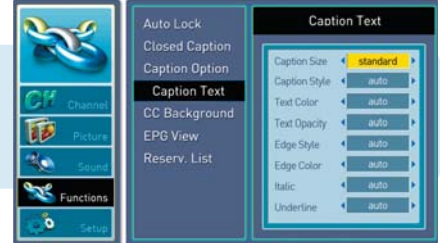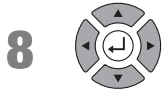|		
MENU ⊗	**Press Menu button.** **Menu items appear on the screen.**	
1	**Press Up or Down button to move to function** **and press ⏎ or ▶ to select function.**	
2	**Press Up and Down buttons to move to** **"CLOSED CAPTION" and press ⏎ or ▶ button** **to make a selection.**	
3	**Display MODE is highlighted.** **Press Left and Right buttons to select** **Off" or "Always On" or "On When Muted".** **Sub menu items are activated.**	
4	**Press Up or Down button to move the item.** **Press Left or Right button to select the item.**	

FUNCTION
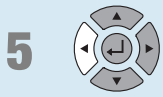
5

- To select caption option
Press Up or Down button to move to caption option.
Press ↵ or ▶ button to select caption option.
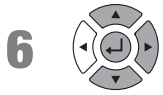
6

Press left/right buttons to select Auto/Option and
press ↵ to select make a selection.
If caption option selected options, CC Background and
caption Text are highlighted When selectiong the
CC Background and caption text, press ↵ button.

7

Press Up or Down button to move between the items
(cc Background and Caption text)
Press left/right ↵ buttons to select the item

8

Then you can choose the CC Background
and caption text by pressing up/down
and left/Right buttons.

EXIT

Press MENU button after the setting is done and
menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

FUNCTION

How to Set the EPG View

- This service is only for DTV model.

MENU

Press Menu button.
Menu items appear on the screen.

1
Press Up or Down button to move to function.
Press ↵ or ▶ button to select function.

2
Press Up or Down button to move to EPG View.
Press ↵ or ▶ button to select EPG View.

3
Press ↵ or ▶ button to see the EPG.
Then you can get information on the broadcasting time and program.

4
Press Up or Down button to select the program for reservation.
Press ↵ to reserve the selected program.
If reserved, clock mark will appear on the program.

EXIT
Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

FUNCTION

How to Directly Move to EPG : Press the DTV-GUIDE **button.**

TIP   Five programs can be reserved.

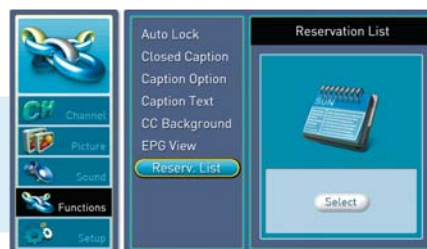# How to View Reservation List

MENU
Ⓧ

Press Menu button.
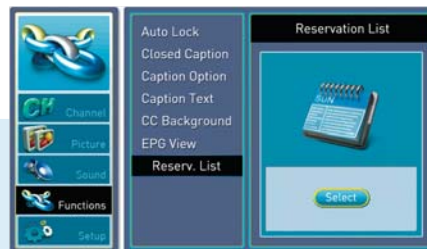Menu items appear on the screen.

1

Press Up or Down button to move to function.
Press ⏎ or ▶ button to select function.

2

Press Up or Down button to move to Reserv. List .
Press ⏎ or ▶ button to select Reserv. List .

3

Press ⏎ or ▶ to activate Reservation List.
If you reserved programs, Reservation List will appear.
If not, No program schedule will appear.

4

To cancel reserved programs, move to Reservation List and
press ⏎ to cancel.
The clock symbol will disappear.

MENU
Ⓧ

Press MENU button. If the message "Do you want to save ?"
appears, select Yes.
After saving, Reservation List will disappear.

How to Set Date / Time

MENU ⊗	**Press Menu button.** **Menu item appear on the screen.**		
1	**Press Up or Down button to move to setup .** **Press ↵ or ▶ button to select setup.**		
2	**Press Up or Down button to move to "DATE/TIME" .** **Press ↵ or ▶ button to select "DATE/TIME".**		
3	**Press or button to select "Observe or Do not observe",** **DayLight Saving Time.** **Press ↵ button to select function**		
4	**Press left/right buttons to timezone.** **Whenever you press the buttons, timezone** **is changed in following order.** **Pacific ⇨ Mountain ⇨ Central ⇨ Eastern** **⇨ Alaska ⇨ Hawaii ⇨ Atlantic** **Press ↵ button to select "SETTING".**		
5	**Press Up or Down button to move to manual manually.** **Press ↵ button to set the current "DATE/TIME"** **Press Up/Down and Left/Right buttons to set** **year, month, day, Hour, Minute and AM/PM**		
6	**After setting,** **Press ↵ or ▶ button to exit**		
7	**"AUTO" is only for DTV mode.** **If you select "AUTO",** **Press ↵ or ▶ button to select function**		
MENU ⊗	**Press MENU button after the setting is done and** **menu goes to the previous menu.** **If the EXIT button is pressed, the menu will disappear.**		

How to Set Power on Time

- Yes can automatocally turn on or off the TV at a present time, To do this, you must set the time it you wish to use the automatic on or off timers
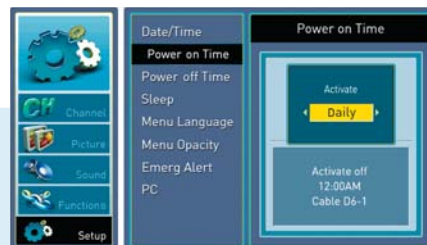
MENU

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to setup.
Press ↵ or ▶ button to select setup.

2

Press Up/Down button to select power on time
Press ↵ or ▶ button to select power on time.

3

Press ↵ button to activate power on time
whenever you press left and right button,
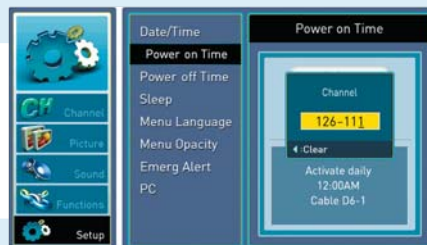**the mode shifts in following order**
OFF ⇄ ONCE ⇄ DAILY

If you select once or daliy in the "ACTIVATE"
You can set time and channel

4
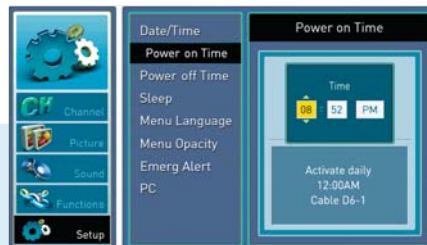
Press up/down button to select Time.
Press ↵ button to set Time.
Press Left or Right button to move between Hour,
minute and AM/PM and press up or down buttons
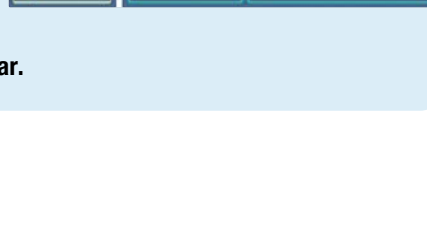**to set Hour, minute and AM/PM**

5

Press Up/Down buttons to select channel.
Press ↵ button to set channel.
Press numeric key to set channel number.
Press ↵ button to set.

EXIT

Press MENU button after the setting is done and
menu goes to the previous menu.
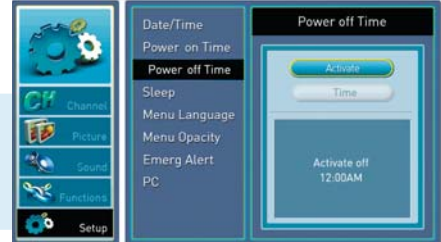**If the EXIT button is pressed, the menu will disappear.**

SETUP

How to Set Power Off Time

MENU
(×)

Press Menu button.
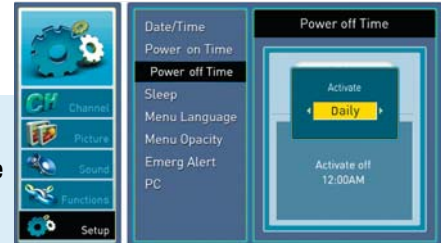Menu items appear on the screen.

1

Press Up or Down button to move to setup
Press ↵ or ▶ button to select setup.

2

Press Up/Down button to move to power off time
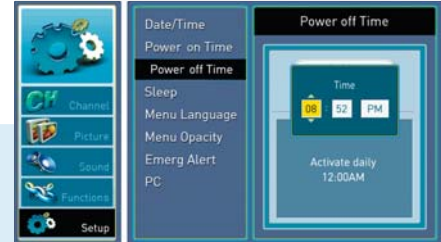Press ↵ or ▶ button to select power off time.

3

Press ↵ button to activate power off time.
Whenever you press left and right button, the mode
shift in following order.
OFF ⇨ ONCE ⇨ DAILY

If you select once or daily in the "ACTIVATE"
You can set time.

4

Press Up/Down buttons to select time.
Press ↵ button to set time.
Press Left or Right button to move between
hour, minute and AM/PM
Press Up or Down buttons to set
hour, minute and AM/PM.
Press ↵ button to set.

EXIT
(↑)

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

How to Set Sleep Time
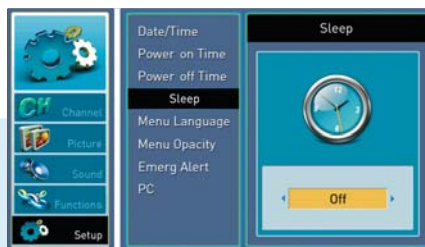
MENU ✕

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to setup
Press ↵ **or** ▶ **button to select setup.**

2

Press Up or Down button to move to sleep time.
Press ↵ **or** ▶ **button to set sleep time.**

3

Press up or down button to set sleep time
Whenever you press up or down button the mode
shifts in following order.
OFF ⇨ **15** ⇨ **30** ⇨ **45** ⇨ **60** ⇨ **90** ⇨ **120**
⇨ **180** ⇨ **240 MINUTES**

4

Press ↵ **button to set.**

MENU ✕

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

How to Directly Set the sleep timer : Press the ⭕ SLEEP **button.**

- Whenever press this button, the mode shifts off ⇨ **15** ⇨ **30** ⇨ **45** ⇨ **60** ⇨ **90** ⇨ **120**
⇨ **180** ⇨ **240 minutes**

How to Choose Menu Language

Users can select their language preference in order to display main menus and sub menus, etc.

MENU ✕

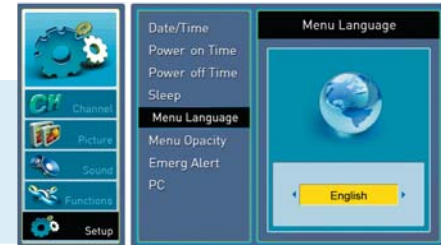Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to setup.
Press ↵ or ▶ button to select setup.

2

Press up/down button to move to menu language.
Press ↵ or ▶ button to select menu language.

3

Press ◀ or ▶ button to set language
Whenever you press Left or Right button,
the mode shifts in following order.
⇔ ENGLISH ⇔ SPANISH ⇔ FRENCH

MENU ✕

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

SETUP

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How to Set Menu Opacity

Users can select their language preference in order to display main menus and sub menus, etc.

MENU

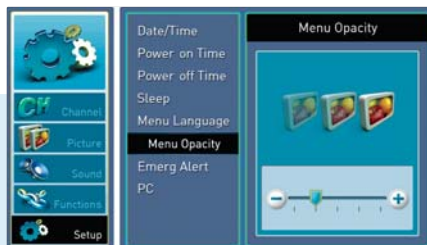Press Menu button.
Menu items appear on the screen.

1 Press Up or Down button to move to setup.
Press ↵ or ▶ button to select setup.

2 Press Up or Down button to move to move to menu opacify.
Press ↵ or ▶ button to select menu opacity.

3 Press left or right to set menu opacity you want.

MENU

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

SETUP

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How to Set Emergency Alert

MENU

Press Menu button.
Menu items appear on the screen.

1

Press Up or Down button to move to setup .
Press ↵ or ▶ button to select setup

2

Press Up or Down button to move to Energ Alert.
Press ↵ or ▶ button to select Energ Alert.

3

Press Up or Down button to move to Low/medium.
Press left or right button to select present/discard.

MENU

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

How to Set the Geometry in PC Mode
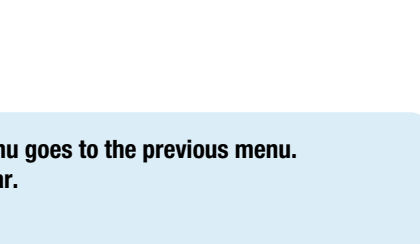
This function is only available in PC mode.
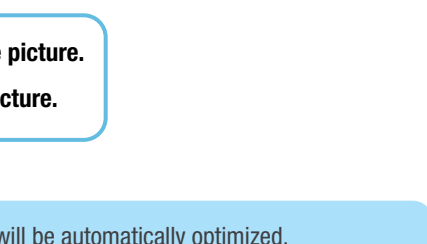
MENU

Press Menu button.
Menu item appear on the screen.

1

Press Up or Down button to move to setup.
Press ↵ or ▶ button to select setup.

2

Press Up or Down buttons to move to "PC".
Press ↵ or ▶ button to select "PC".

3

Press Up and Down buttons to move to "Auto Adjustment".
Press ↵ or ▶ button to adjust H/V-position auto.

4

Press Up and Down buttons to move to "TRACKING".
After pressing OK button, you can select Phase, Clock with Up or Down button and change the value with Left or Right button.

5

Press Up or Down button to move to position.
Press ↵ or ▶ button to select position.

6

Press Up and Down buttons to adjust V-position .
Press ◀ or ▶ button to adjust H-position.
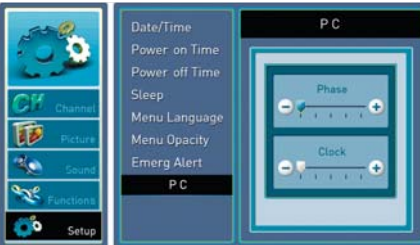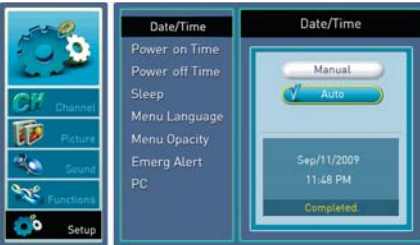**After setting press ↵ button to exit**

MENU

Press MENU button after the setting is done and menu goes to the previous menu.
If the EXIT button is pressed, the menu will disappear.

**H. POSITION : To adjust the horizontal position of the picture.**

V. POSITION : To adjust the vertical position of the picture.

TIP If the display input signal (resolution) has been changed, the picture will be automatically optimized.

SETUP

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Picture On Function Guide

Picture on function allowing users to set the customized display image on initial TV power on screen.

1)   **Open your image editor software to open your desire image file.**

2)   **Using your software tool, resize the image pixel to 960 x 550.**

3)   **Set your image color to hi-color (16bit).**

4)   **Select 'Save As' on menu and change the image file to "logo.bmp" then save it.**

5)   **Create new file folder name "DDM40" on your USB drive. Copy your "logo.bmp" file to DDM40 directory. Then connect your USB driver to TV by using mini USB cable on LED in Red (Standby mode).**

6)   **Turn on your TV using the Power ON from the remote controller. Then the file is loaded automatically.**

7)   **When you see "SPLH: OK" screen, Turn OFF TV using OFF button on the remote controller.**

8)   **Disconnect the Mini USB cable from the TV and Power ON the TV.**

9)   **Initial power on screen is set and now you can view your selected image.**

SETUP

TIP

- Requirements : File Format - Bit Map(*.BMP) / Image pixel size - 960X540 / BIT- 16bit Free image editor software's can be downloading at the www.download.com
Recommended USB Drive - SanDisk Cruzer, Micro USB Flash Drive 256Mb, Hana Micro

How to Use an External Device Using the Remote Control

When setting other manufacturer's product using the remote control, some of the buttons on the remote control may not operate or different functions may be activated, or some of other manufacturer's products may not work. Some of DVD/VCR combos are allowed only either in DVD mode or VCR mode.
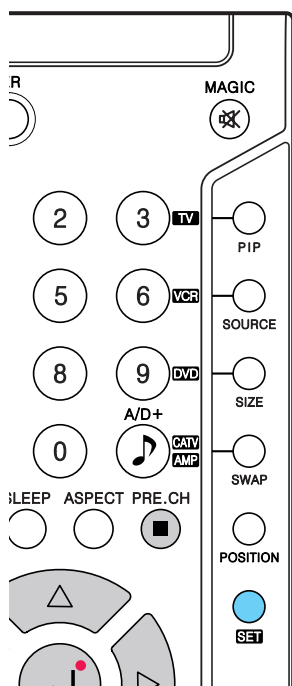
1. Turn on the external device you want to set.

2. Whenever you press [SET] button on the remote control, the mode shifts ⟳ TV ⟳ VCR ⟳ DVD ⟳ SAT(Satellite Receiver) ⟳ in order.

   Or Press the [SET] button and the prefered device(TV/VCR/DVD/SAT) at once.

3. If the external device has been chosen, press the [MAGIC] button and [←] button at the same time for two seconds.

4. Enter an appropriate 3-digit number of the manufacturer from the DVD Setting Number Table. (If the product brand you want to set has multiple setting numbers, attempt to enter the setting numbers repeatedly until the product is turned off.)

5. When the product has turned off, press the [MAGIC] button again.

   (The appropriate button associated with the product will flash 3 times to show the product operates properly.)

6. Check that the Power button works normally and then check that other function buttons work normally.
   ➡ If the Power button works normally but other function buttons do not, repeat the above steps from the beginning.
   ➡ Depending on product brands or setting numbers, the power button may work normally but other function buttons do not work.

VCR Setting Number Table

MAKER	Setting Number	MAKER	Setting Number
AIWA	001, 002, 014, 044, 052, 064, 066	NORDMENDE	014, 024, 039, 054, 055, 067, 073, 074,
AKAI	007, 014, 021, 031, 047, 053, 066		076
DAEWOO	007, 017, 044, 048, 066	PANASONIC	035, 045, 046
DAYTRON	048	PHILCO	012, 025
EMERSON	017, 025	PHILIPS	033, 068
FERGUSON	002, 014, 021, 032, 048, 054, 055, 073	PIONEER	015, 024
FISHER	007, 012, 018, 019, 029	PORTLAND	007, 048
FUNAI	002	SALORA	018, 016, 029, 031
GRUNDIG	004, 041, 045, 054, 064, 068	SAMSUNG	011, 047
HITACHI	002, 014, 015, 029, 036, 047, 068, 070	SANYO	018, 019, 020, 024, 029
JVC	005, 014, 024, 042, 067	SHARP	001, 020, 023
KENWOOD	012, 014	SONY	006, 008, 009, 010, 022, 027, 030, 031,
LG	001, 002, 003, 048		034, 037
MANGAVOX	068	SYMPHONIC	002, 025
MARANTZ	012, 023, 033, 044, 051	TASHIKO	001, 002, 020, 047
MATSUI	001, 002, 028, 040, 043, 044, 047, 051		
	058, 064, 066, 070	TATUNG	002, 014, 016, 020, 021, 044, 064, 066
MEMOREX	001, 002, 018, 019, 020, 029	TEAC	001, 002, 014, 048, 052
MITSUBISHI	016, 024, 026, 038	TOSHIBA	014, 016, 017, 067, 068
MULTITECH	002, 007, 025, 029, 056	UNITECH	047
NEC	001, 012, 013, 014, 024, 029	VICTOR	005, 024

DVD Setting Number Table

MAKER	Setting Number	MAKER	Setting Number
APEX DIGITAL	022	ORION	026
DAEWOO	001, 029, 032	PANASONIC	042, 055
DAEWOO INTERNATIONAL	028	PHILIPS	002, 056
DENON	015, 042	PIONEER	051
ELTA	001, 025, 046, 047	PROSCAN	003
FERGUSON	018	RCA	003, 018
GE	034	SAMSUNG	009, 042
GOODMANS	018, 025, 045, 047, 049, 050	SANYO	021, 026, 047
GRUNDIG	018, 021, 026, 029, 031, 047	SCHNEIDER	018, 029, 045, 046, 047
HANSEATIC	039	SEG	020, 031
JVC	002, 011, 057	SHARP	013, 026
LG	010, 039, 054	SONY	004, 009, 053
MAGNAVOX	002, 049	THOMSON	003, 007
MATSUI	018, 026	TOSHIBA	002
MITSUBISHI	031	YAMADA	050
MUSTEK	037	YAMAHA	042
NAD	039	ZENITH	002, 010, 039
ONKYO	002, 012	MARANTZ	006

Satellite Receiver Setting Number Table

MAKER	Setting Number	MAKER	Setting Number
HANSEATIC	090	PHILIPS	020, 024, 025, 064 ,084, 087, 092, 101,
HITACHI	064		102, 109, 117 ,123, 126 ,147
HOUSTON	025, 066, 088, 102	PREMIERE	140
KATHREIN	004, 020, 039, 049, 057, 063, 067, 073,	PROSAT	034, 096
	092, 102, 111, 126, 147	QUADRAL	034, 054, 077, 087, 096, 102, 109
HUMAX	032, 137	SAMSUNG	033, 062
LG	042	SEG	006 ,040 ,054, 062, 076, 077, 082, 090,
LUXOR	046, 071, 140		116
MATSUI	020, 045, 084, 109	SMART	011
NEXTWAVE	114	SONY	064, 108
PACE	026, 027, 043, 064, 069, 112, 119, 122,	TECHNISAT	031, 065, 071, 076, 083
	146	TELESTAR	071
PANASAT	094, 141	TOSHIBA	015, 064
PANASONIC	064	UNIDEN	022, 120, 130

Glossary 1

Component video Component video is sent through three cables: two color shade (chrominance) signals and one brightness (luminance) signal. Component video achieves greater color accuracy than composite video or S-VIDEO by splitting chrominance into two separate portions.

Composite video Composite video is sent through a single cable. Composite video combines the color shade (chrominance) and brightness (luminance) information into one video signal.

S-VIDEO S-VIDEO requires a single cable, which carries the brightness (luminance) and color (chrominance) signals of the picture separately. S-VIDEO provides better resolution than composite video, which carries the signals together.

480i Provides 480 lines of resolution. Displays images using interlaced scanning, which first transmits all the odd lines on the TV screen and then the even lines.

480p Provides 480 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.

720p Provides 720 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.

1080p Provides 1080 lines of resolution. Displays images using progressive scanning, which transmits each line from top to bottom.

1080i Provides 1080 lines of resolution. Displays images using interlaced scanning, which first transmits all the odd lines on the TV screen and then the even lines. 1080i is one of the formats used by HDTV (High Definition TV).

Digital television (DTV) A new technology for transmitting and receiving broadcast television signals. DTV provides higher resolution and improved sound quality over analog television.

HDTV(High Definition TV) HDTV is a new kind of digital TV, creating a high quality picture, high definition. The HDTV provides a theater-like screen with an aspect ratio of 16:9. Supports 720p or higher.

SDTV(Standard Definition TV) SDTV is a new kind of standard definition digital TV, having a range of lower resolution than the HDTV. Supports 480i.

Cable Broadcast Receiver (Converter) A device that receives cable broadcasting. Connecting it to your TV set allows you to watch a various channels.

Satellite Broadcasting Provides crisp picture and clear audio quality throughout the country via a satellite.

VHF/UHF VHF (Very High Frequency) is the part of the frequency spectrum from 30 to 300 megahertz. UHF (Ultra High Frequency) is the part of the frequency spectrum from 300 to 3,000 megahertz.

APPENDIX

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Glossary 2

DVD	DVD (Digital Versatile Disc) is an optical disc that can store a huge volume of multimedia such as video, game, and audio application, etc.
Coaxial Cable	Coaxial cable is the kind of rounded copper cable, which is generally used for TV antenna.
Aspect ratio	Refers to the ratio between the width and height of the screen. This TV has a 16:9 (widescreen) aspect ratio, as opposed to a 4:3 aspect ratio.
Picture Mode	Picture Mode features the optimal picture quality. There are Standard-Mild-Vivid - Multimedia-Custom features in order. "CUSTOM" allows you to adjust Contrast, Brightness, Sharpness, Color and Tint.
Sound Mode	Sound Mode features the optimal sound quality. There are Standard-Movies-Speech-Music features in order. "CUSTOM" allows you to adjust high frequency sound, middle frequency sound and low frequency sound.
Digital Broadcasting	Video and Audio signals digitized and transmitted by broadcasting companies complying with the new digital television standard developed by the ATSC (Advanced Television System Committee). Digital Broadcasting technology provides multimedia services including a variety of additional services as well as high-definition quality picture.
Analog Broadcasting	ATSC-based Video and Audio signals transmitted by broadcasting companies.
SRS TruSurround TX	A well-recognized 3D sound technology developed by US SRS Labs, Inc. This technology delivers the ultimate audio experience only with two speakers as if through multi-channel speakers.
Dolby Digital	Formerly known as AC-3, Dolby Digital is a digital audio coding technique that reduces the amount of data needed to produce high quality sound.
Mono	Audio signals are produced through a single channel. It is difficult to experience a spectacular sound since audio signals are reproduced with a single speaker.
Stereo	Audio signals are produced through two channels. A spectacular sound is reproduced with two separated speakers.
Widescreen	Term given to picture displays with a wider aspect ratio than NTSC 4:3. Digital HDTV is 16:9 widescreen. Most motion pictures also have a widescreen aspect ratio, some even wider than 16:9.
External source	Refers source signals that come from other external devices such as a VCR, camcorder and DVD player, etc. than a TV set.

APPENDIX

Glossary 3

MTS A bilingual service provided when an overseas film, foreign drama or overseas news, etc. is aired. You can select one of two choices: mother tongue and foreign language. Or you can listen to both languages at the same time.

DVI Digital Visual Interface is a specification for digital signals. This interface using TMDS transmission reduces the loss of signal, allowing to enjoy a clear and crisp image.

HDMI HDMI (High-Definition Multimedia Interface) is the first and only industry-supported, uncompressed, all-digital audio/video interface.
HDMI provides an interface between any audio/video source, such as a set-top box, DVD player, or A/V receiver and an audio and/or video monitor, such as a digital television (DTV), over a single cable.

Virtual channels There is a new numbering system for DTV channels. The system, called the "DTV virtual channels," gives a number for each DTV program service, and almost always uses the analog NTSC channel number as the first number for that station. The use of virtual channels allows stations to use the same channel number "brand" for both NTSC and DTV. The printed listing services have not yet changed their format to show only the DTV virtual channel numbering system. So in the example, the station is using RF Channel 38 for DTV and is transmitting DTV programs with virtual channel numbers 15.n. The 15.n is short hand for 15.1, and 15.2 and 15.3, etc., as there can be more than one DTV program lineup from the station. So, 15.1 is the first DTV program lineup, 15.2 is the second, 15.3 is the third. Some DTV stations may have only one virtual channel, others perhaps as many as six.

Troubleshooting

Installation Problems

Symptom	Possible solution
How can I install an antenna?	Refer to page 16.
TV screen is not clear after installing an indoors antenna.	Indoors antenna may experience poor reception due to surrounding buildings. Please install an outdoors antenna or wireless antenna.
How can I view cable broadcasting?	Please install a cable broadcasting receiver (Converter).

Picture Problems

Symptom	Possible solution
Neither picture nor sound comes up.	Check whether power is on. Check whether the power is cut or whether power cord is properly connected. Try to plug another product's power cord to the outlet the TV is plugged into.
Picture turns on slowly after power is on.	This symptom is not a malfunction. This delay is designed to prevent the distorted and noisy picture when power is on. However, if the picture does not appear more than 5 minutes after power is on, call a service center.
Picture is distorted or frozen while watching digital broadcasting.	This symptom may be caused by weak reception. Contact your local station or cable company.
Input Source information only appears on black screen.	Check whether your TV is properly connected to external devices.
Poor reception on some channels.	Check whether you selected proper channels. Try re-orienting your antenna.
Black and white on some channels.	Check other channels for black and white screen. Adjust colour.
TV won't turn on.	Ensure the power cord is plugged.
Screen is too bright or too dark.	Adjust brightness.

Auto On does not work.	Ensure to use the remote control or power button on the product to turn off your TV. If you unplug the power cord, the stand-by consumption power becomes 0 (zero), which causes the programmed time to be erased.
After setting the time, I turned TV off and turn it on. The programmed information has been erased.	Ensure to use the remote control or power button on the product to turn off your TV. If you unplug the power cord, the stand-by consumption power becomes 0 (zero), which causes the programmed time to be erased.

Sound Problems

Symptom	**Possible solution**
Too much noise occurs.	Check whether the audio setting is in the Stereo mode. In the Stereo mode, the sound may be distorted in the area where experiences poor reception or is located far away from a TV broadcasting station.
No sound while viewing a cable channel	Make sure an audio or audio/video component is securely inserted into the appropriate jacks. Check other channels for sound. Check the volume settings on the cable broadcasting receiver.
Picture is OK but sound does not come out.	Try to press volume up/volume down buttons of your remote control. Try to press MUTE buttons of your remote control.
One of the speakers does not produce sound.	Select sound balance and make proper adjustment. (Page 39) Check the speaker connection cables.

General

Symptom	**Possible solution**
Remote control won't work.	Check whether there is a blocking object between the remote control and TV. Make sure your TV is Power On. (In case of normal, LED on the front panel is in Red.) Check whether batteries are inserted with proper polarities(+, -). When the batteries are worn out, replace with new ones.
Where does the S-Video cable plug in for audio output?	Connect the two Audio jacks from the S-Video cable to the left and right ports on the Composite.
Strange noises are heard.	Ticking noise during or after watching is caused by the change of ambient environment such as humidity and temperature, which is characterized by plastic products. Strange ticking noise occurs because a signal is suddenly transmitted to the TV panel. So, this is not a malfunction.
I tried to use the TV screen as a PC monitor but it doesn't work.	Adjust the resolution referring to the standard signal mode table. Check the specification of your video card installed in your PC. If your video card does not work in supported hardware. Try upgrading the video card's driver.

APPENDIX

Care and Cleaning

Cabinet Cleaning

Wipe a soft dry cloth.

Do not use inflammables like Benzene or Thinner, or wet clothes.
Do not scratch the panel of LCD with a fingernail or pointed object.

Screen Cleaning

Clean the screen with a soft cloth moistened in mild glass detergent and dry with a soft cloth.

Never use any solvent on the screen such as Acetone, Benzene, or Thinner, etc.

Cleaning Inside

When the inside needs to be cleaned, contact a service center or distribution agent where the item is purchased.

It is recommended cleaning is complete before the rainy season.

Product Specifications - *E425D/E465D*

Model			E425D	E465D
Input	S-Video		1(A/V audio common)	1(A/V audio common)
	Video (RCA)		2(Audio included)	2(Audio included)
	Component(Y/Cb/Cr)		2(Audio included)	2(Audio included)
	Antenna		1	1
	PC	Connection jack	D-SUB	D-SUB
		Max. resolution	1920 X1080 @ 60 Hz	1920 X 1080 @ 60 Hz
		Audio	L/R	L/R
	HDMI		2	2
	Memory Slot		No	No
Output	Video		1	1
	Audio		2(L/R, SPDIF)	2(L/R, SPDIF)
TV/Video	Analog		NTSC M / FM	NTSC M / FM
	Digital		ATSC	ATSC
	Video system		Component, S-Video, Composite, PC, HDMI	Component, S-Video, Composite, PC, HDMI
Power	Supply		AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Consumption power		200W (Typical)	260W (Typical)
	Stand-by power		< 1W	< 1W
Dimension (W x D x H mm - Stand included)			1057 x350 x 796	1143 x350 x 845
Weigh (Stand included)			32.6 Kg	31.5 Kg
Control type			Remote control, Key control	Remote control, Key control

- *The above specifications may be subject to change without prior notice.*

Product Specifications - *E426D/E466D*

Model			E426D	E466D
Input	S-Video		1(A/V audio common)	1(A/V audio common)
	Video (RCA)		2(Audio included)	2(Audio included)
	Component(Y/Cb/Cr)		2(Audio included)	2(Audio included)
	Antenna		1	1
	PC	Connection jack	D-SUB	D-SUB
		Max. resolution	1920 X1080 @ 60 Hz	1920 X 1080 @ 60 Hz
		Audio	L/R	L/R
	HDMI		2	2
	Memory Slot		No	No
Output	Video		1	1
	Audio		2(L/R, SPDIF)	2(L/R, SPDIF)
TV/Video	Analog		NTSC M / FM	NTSC M / FM
	Digital		ATSC	ATSC
	Video system		Component, S-Video, Composite, PC, HDMI	Component, S-Video, Composite, PC, HDMI
Power	Supply		AC 100 - 240 V, 50/60 Hz	AC 100 - 240 V, 50/60 Hz
	Consumption power		200W (Typical)	260W (Typical)
	Stand-by power		< 1W	< 1W
Dimension (W x D x H mm - Stand included)			1237 x310 x 708	1323 x310 x 757
Weigh (Stand included)			32.6 Kg	31.5 Kg
Control type			Remote control, Key control	Remote control, Key control

- The above specifications may be subject to change without prior notice.

HYUNDAI IT SERVICE CENTER

Germany/Austria/Benelux
Hyundai IT Germany SVC
Hessenring 13B D-65546
Mörfelden-Walldorf Germany
Tel -
Total : 0049 (0) 6105 4088 211
IT : 0049 (0) 180 50 70113
TV : 0049 (0) 180 59 13 134
e-mail : oezer.oeguen@
           hyundai-service.eu
Attn : Oezer Oeguen

France
SERRIB
25 rue Albert Camus BP355,
90006 BELFORT Cedex
Tel - IT : +33 (0) 4-70-58-44-11
      TV : +33 (0) 4-70-58-44-02
e-mail : g.demeusy@serrib.com
Attn : Gilles Demeusy

UK
RepairTech Ltd
Unit 5, Westfield Road,
Southam, Warwickshire,
CV47 0JH
Tel : 0871 855 3171
e-mail : john.satchwell@
           repairtech.co.uk
Attn : John Satchwell

Czech Republic, Slovakia
SIL Eastern Europe a.s.
Tesinska 1970/56, 710 00,
Ostrava,Czech Republic
Tel : 00420 (0) 596 253 677
e-mail : schneider@sil.cz
Attn : Tomas Schneider

Norway
A Novo
Fetveien 1
Tel : 0047 63804538
e-mai : joa@anovo.no
Attn : Joakim Skriung

Sw/Fi/De
A Novo
Nätverksgränd 11, 721 36
Västerås Sweden
Tel : 0046 21812310
e-mail :
andreas.gerhardsen@anovo.se
Attn : Andreas Gerhardson

Spain
Seltron, S.L.
C/INDUSTRIA,44-46
Tel : 0034 (0) 902014909
e-mail : ruiz@seltron.org
Attn : JL RUIZ

DATA LOGIC SL
Pol Ind Mas Batlle,
C/l. Iglesias 161, 43206 Reus
Tel : 0034 (0) 902141209
e-mail : jmfortuny@datalogic.es
Attn : JM Fortuny

Switzerland
Pictronic AG
Aavorstadt 40,5600 Lenzburg
Tel : 0041 (0) 62 892 96 00
e-mail : correia@pictronic.ch
Attn : Thomas Correia

ITALY
Euvision SRL
Via di Grotte Portella, 6/8
00044 Frascati - Roma - Italy EU
Tel : 0039 06 94293 321
e-mail : Infoservizi@hyundai.it
Attn : LUCARELLI STEFANO

Lithuania
"ServiceNet" UAB
Gaiziunu g.3, Kaunas LT-50128,
Lithuania
Tel : 00370 (37) 400160
e-mail :
Robertas_Zubrus@servicenet.lt
Attn : Robertas Zubrus

POLAND
Zolter Sp. z o. o.
Piaseczno 05-500 ul.żoytnia 1
Tel : 0048 (0) 22735 54 30
e-mail :
A.Gorayski@zolter.com.pl
Attn Antoni Gorayski

SLOVENIA
E-MISIJA d.o.o.
LJUBLJANSKA CESTA 21 D
Tel : 00386 (0) 18303560
e-mail : hyundai@e-misija.si
Attn : ZAPLOTNIK BOSTJAN

GREECE
ALMAN HELLAS LTD
ORTANSIAS 23, GR-13677
ACHARNAI, ATHENS, GREECE
Tel : 00302 (0) 102409150
e-mail : support@alman.gr
Attn : JOHN SPANOS

Turkey
Multimedya
Küçükköy karayolları mah 569.
Sk no:6 k:2 GaziosmanPaşa
Istanbul
Tel : 0090 (0) 212 479 46 46
e-mail :
gurhan.bayir@multimedya.com
Attn : Gürhan Bayır

Croatia
HG Spot
Avenija Dubrovnik 46
10010 Zagreb
Tel : +385 (1) 66 11 548

U.S.A.

U.S.FEDERAL COMMUNICATIONS COMMISSION
RADIO FREQUENCY INTERFERENCE STATEMENT
INFORMATION TO THE USER

NOTE : This equipment has been tested and found to comply with the limits for a
Class B digital device pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful

Interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if

Not installed and used in accordance with the instructions, may cause harmful

Interference to radio communications.

However, there is no guarantee that interference will not occur in a particular

Installation.

If this equipment does cause harmful interference to radio or television reception,

Which can be determined by turning the equipment off and on, the user is

encouraged to try to correct the interference by one or more of the following

measures:

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

Changes or modification not expressly approved by the party responsible for

Compliance could void the user's authority to operate the equipment.

Connecting of peripherals requires the use of grounded shielded signal cables.