

## **ATTACHMENT E.**

**- USER'S MANUAL-2 -**



## Supported PIP Table

PIP : 0 → Supported, X → Not Supported

Main \ Sub	TV	VIDEO 1	VIDEO 2	S-VIDEO	Component 1	Component 2	PC	HMDI 1	HDMI 2
TV	X	0	0	0	0	0	0	0	0
VIDEO 1	0	X	0	0	0	0	0	0	0
VIDEO 2	0	0	X	X	0	0	0	0	0
S-Video	0	0	X	X	0	0	0	0	0
Component 1	0	0	0	0	X	0	0	0	0
Component 2	0	0	0	0	0	X	0	0	0
PC	0	0	0	0	0	0	X	0	0
HDMI 1	0	0	0	0	0	0	0	X	X
HDMI 2	0	0	0	0	0	0	0	X	X

# How to Select the Audio Mode

Users can adjust sound mode automatically as they want.



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



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 : Press SOUND button.

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



# How to Adjust the Desired Audio Mode

Users can adjust sound mode manually as they want.



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.



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"



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.



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.



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.



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.



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 Surround : Press the button.

- User can select TruSurround XT ON ⇌ TruSurround XT OFF

is a trademark of SRS Labs, Inc.  
TruSurround XT technology is incorporated under license from SRS Labs, Inc.

# How to Set Audio Language

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

  <b>1</b> 	<p><b>Press Menu button.</b> Menu items appear on the screen.</p> <p><b>Press Up or Down button to move to sound .</b> Press  or  button to select sound .</p>	 
<b>2</b> 	<p><b>Press Up or Down button to move to 'Pref.Aud.Lang.'</b> Press  or  button to select 'Pref.Aud.Lang'.</p>	 
<b>3</b> 	<p><b>Whenever you press Left or Right button,</b> the mode shifts in following order. ⇒ ENGLISH ⇒ SPANISH ⇒ FRANCE</p>	 
	<p><b>Press MENU button after the setting is done and menu goes to the previous menu.</b> If the EXIT button is pressed, the menu will disappear.</p>	

SOUND

**How to Directly Select Audio Language :** Press the  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.



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



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.

	<p>Press Menu button. Menu items appear on the screen.</p>		
<p>1</p>		<p>Press Up or Down button to move to function . Press ◀ or ▶ button to select function .</p>	
<p>2</p>		<p>Press Up or Down buttons to move to "AUTO LOCK". Press ◀ or ▶ button to select "AUTO LOCK".</p>	
<p>3</p>		<p>Then the Enter PIN number window appears. The default is 4 digits (0-0-0-0).</p>	
<p>4</p>		<p><b>- To set Blocking :</b> Press Up or Down button to move to "SET BLOCKING". Press ◀ or ▶ button to select "SET BLOCKING"</p>	
<p>5</p>		<p>Press Up or Down button to move to 'ON/OFF'. Press ◀ button to make a selection.</p>	
<p>6</p>		<p><b>- To set Channel blocking :</b> Press Up or Down button to move to "CHANNEL BLOCKING". Press ◀ button to select " BLOCK CHANNEL".</p>	
<p>7</p>		<p>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.</p>	

Continued on next page .....

FUNCTION

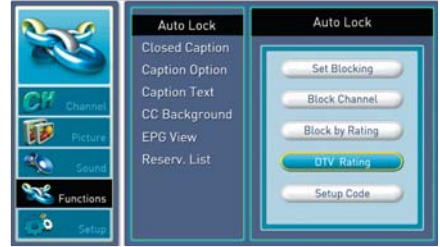


Continued from previous page..... (Set the Lock External Signal function.)

8



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



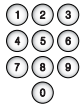
9



- 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 .....



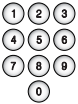
Press Menu button.  
Menu items appear on the screen.

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)

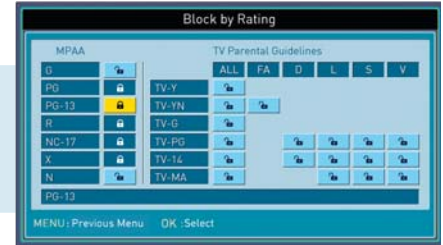
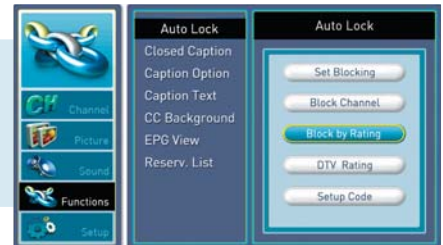
5



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



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.

*Continued on next page .....*



..... Continued from previous page.

### 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

FUNCTION



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

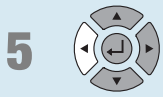


Display MODE is highlighted.  
Press Left and Right buttons to select  
Off" or "Always On" or "On When Muted".  
Sub menu items are activated.

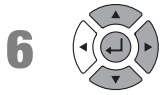
4



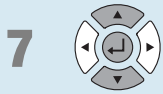
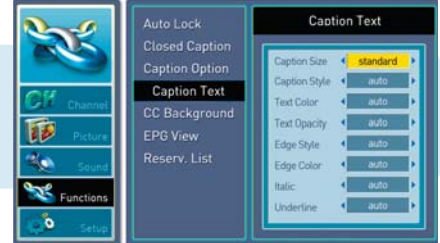
Press Up or Down button to move the item.  
Press Left or Right button to select the item.



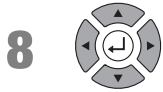
**5** - To select caption option  
Press Up or Down button to move to caption option.  
Press or button to select caption option.



**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 selecting 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.



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 EPG View

- This service is only for DTV model.



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.



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

DTV-GUIDE

How to Directly Move to EPG : Press the  button.

TIP

Five programs can be reserved.



# How to View Reservation List

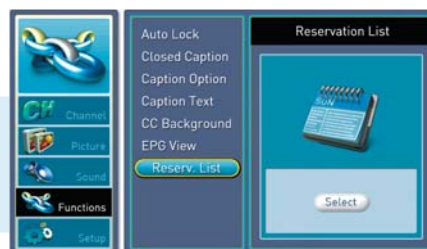


Press Menu button.  
Menu items appear on the screen.

1



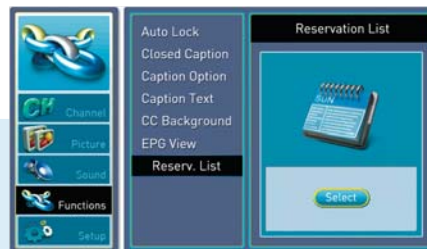
Press Up or Down button to move to function.  
Press ◀ or ▶ button to select function.



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.



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



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



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 on Time

- Yes can automatically 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



Press Menu button.  
Menu items appear on the screen.



1

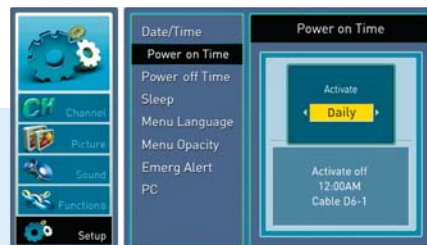


Press Up or Down button to move to setup.  
Press or button to select setup.

2



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

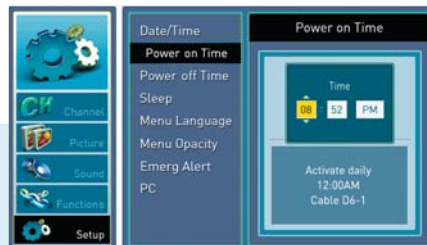


3



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

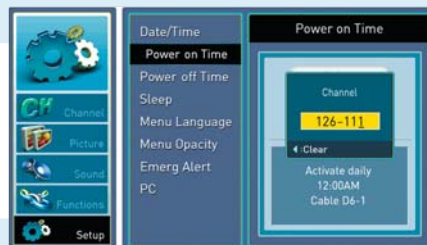
If you select once or daly in the "ACTIVATE"  
You can set time and channel



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



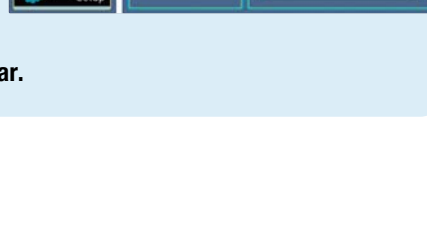
5



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



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.

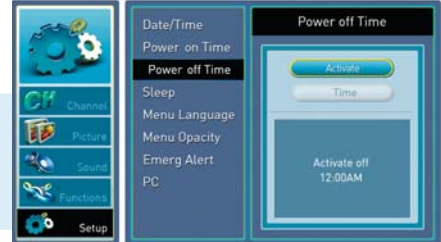




# How to Set Power Off Time



Press Menu button.  
Menu items appear on the screen.



1

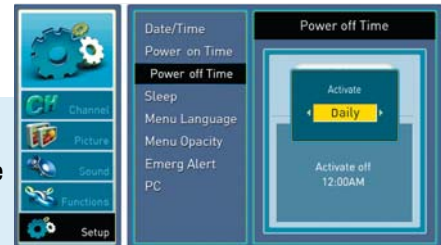


Press Up or Down button to move to setup  
Press or button to select setup.

2



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

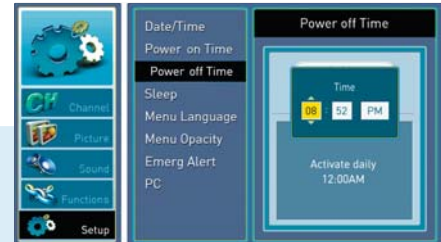


3



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.



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



Press Menu button.  
Menu items appear on the screen.

1



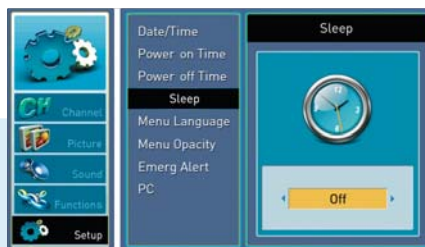
Press Up or Down button to move to setup  
Press or button to select setup.



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.



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 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.



Press Menu button.  
Menu items appear on the screen.

1



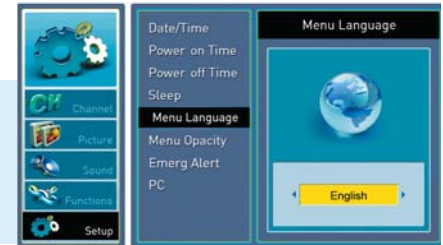
Press Up or Down button to move to setup.  
Press ◀ or ▶ button to select setup.



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



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 Menu Opacity

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



Press Menu button.  
Menu items appear on the screen.



1

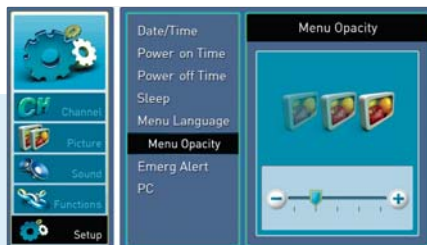


Press Up or Down button to move to setup.  
Press ◀ or ▶ button to select setup.

2



Press Up or Down button to move to move to menu opacity.  
Press ◀ or ▶ button to select menu opacity.



3



Press left or right to set menu opacity you want.



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 Emergency Alert



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.




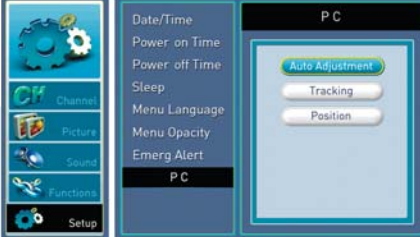



Press MENU button after the setting is done and menu goes to the previous menu.  
If the EXIT button is pressed, the menu will disappear.

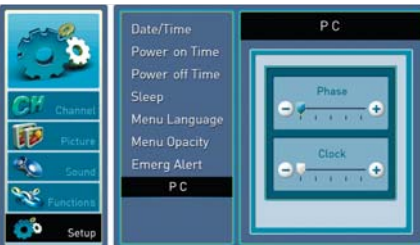









# How to Set the Geometry in PC Mode

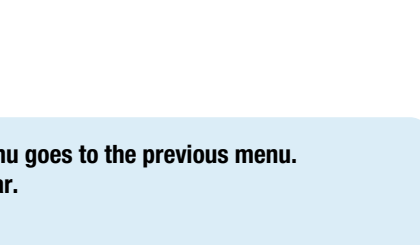

This function is only available in PC mode.

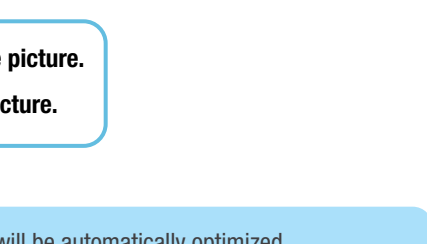



- 1**  Press Menu button. Menu item appear on the screen.







- 2**  Press Up or Down button to move to setup. Press  or  button to select setup.



- 3**  Press Up or Down buttons to move to "PC". Press  or  button to select "PC".


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


- 5**  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.


- 6**  Press Up or Down button to move to position. Press  or  button to select position.


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


- 8**  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.



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



## Picture On Function Guide

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

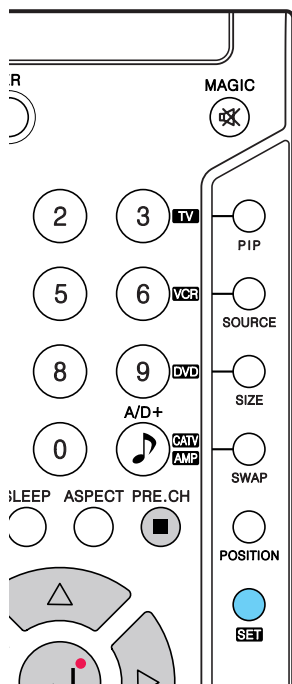
- 1) **Open your image editor software to open your desire image file.**
- 2) **Using your software tool, resize the image pixel to 960 x 550.**
- 3) **Set your image color to hi-color (16bit).**
- 4) **Select 'Save As' on menu and change the image file to "logo.bmp" then save it.**
- 5) **Create new 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.**

### 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](http://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 button on the remote control, the mode shifts  $\Rightarrow$  TV  $\Rightarrow$  VCR  $\Rightarrow$  DVD  $\Rightarrow$  SAT(Satellite Receiver)  $\Rightarrow$  in order.  
Or Press the button and the preferred device(TV/VCR/DVD/SAT) at once.
3. If the external device has been chosen, press the 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 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.  
  - $\Rightarrow$  If the Power button works normally but other function buttons do not, repeat the above steps from the beginning.
  - $\Rightarrow$  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, 076
AKAI	007, 014, 021, 031, 047, 053, 066	PANASONIC	035, 045, 046
DAEWOO	007, 017, 044, 048, 066	PHILCO	012, 025
DAYTRON	048	PHILIPS	033, 068
EMERSON	017, 025	PIONEER	015, 024
FERGUSON	002, 014, 021, 032, 048, 054, 055, 073	PORTLAND	007, 048
FISHER	007, 012, 018, 019, 029	SALORA	018, 016, 029, 031
FUNAI	002	SAMSUNG	011, 047
GRUNDIG	004, 041, 045, 054, 064, 068	SANYO	018, 019, 020, 024, 029
HITACHI	002, 014, 015, 029, 036, 047, 068, 070	SHARP	001, 020, 023
JVC	005, 014, 024, 042, 067	SONY	006, 008, 009, 010, 022, 027, 030, 031, 034, 037
KENWOOD	012, 014	SYMPHONIC	002, 025
LG	001, 002, 003, 048	TASHIKO	001, 002, 020, 047
MANGAVOX	068		
MARANTZ	012, 023, 033, 044, 051	TATUNG	002, 014, 016, 020, 021, 044, 064, 066
MATSUI	001, 002, 028, 040, 043, 044, 047, 051, 058, 064, 066, 070	TEAC	001, 002, 014, 048, 052
MEMOREX	001, 002, 018, 019, 020, 029	TOSHIBA	014, 016, 017, 067, 068
MITSUBISHI	016, 024, 026, 038	UNITECH	047
MULTITECH	002, 007, 025, 029, 056	VICTOR	005, 024
NEC	001, 012, 013, 014, 024, 029		



## 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, 102, 109, 117, 123, 126, 147
HITACHI	064	PREMIERE	140
HOUSTON	025, 066, 088, 102	PROSAT	034, 096
KATHREIN	004, 020, 039, 049, 057, 063, 067, 073, 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, 116
LUXOR	046, 071, 140	SMART	011
MATSUI	020, 045, 084, 109	SONY	064, 108
NEXTWAVE	114	TECHNISAT	031, 065, 071, 076, 083
PACE	026, 027, 043, 064, 069, 112, 119, 122, 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.



## 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.



## 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.



## 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-mail : 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