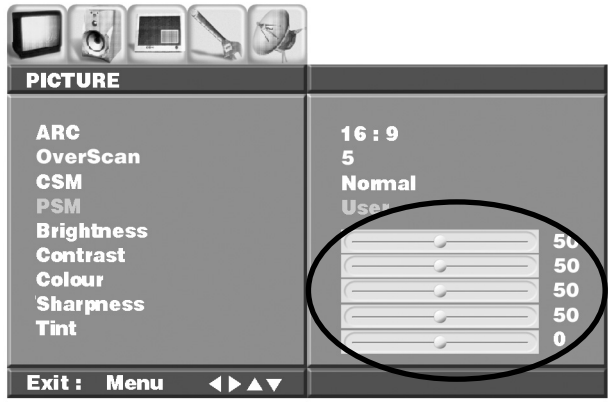
5 Use the <CH> button and the <VOL> button on the remote control to adjust the settings for different items. (For example, adjustment can be made of items such as Brightness, Contrast, Color, Sharpness, and Tint.)



6 When adjustments are complete, press the <OK> button once to close the adjustment screen. Press the <MENU> button once again to close the 'Menu' screen.

N · O · T · E

▶ **To configure the menu without using the remote control**

❶ *Press the <MENU> button located at the bottom of the LCD TV.*

❷ *Press the <CH ▲/▼> buttons to navigate to submenus.*

❸ *Press the <VOL <◀ / ▶> buttons to adjust each item.*

❹ *If 'Menu for Local Key' is on, the <SOURCE> button is used as the <OK> button. When adjustments have been completed, press the <MENU> button to close the 'Menu' screen.*

TV Menu Categories and Items

The Main Menu contains 5 categories, which in turn contain submenus and option items:

Main Menu	Sub Menu 1	Sub Menu 2	Sub Menu 3
PICTURE	ARC	16:9, 14:9, Zoom 1, Zoom 2, 4:3	Screen Aspect Selection
	OverScan	1~5	Magnifies the size of the Picture on screen.
	CSM	Normal	Plain white
		Cool	Bluish white
		Warm 1	Reddish white
		Warm 2	Red
	PSM (Select Screen View)	Dynamic	Vivid Picture Appearance
		Standard	Standard Picture Appearance
		Mild	Softer Picture Appearance
		Game	Select when playing video games on LCD TV
		User	Brightness : Adjust brightness. (Brightness means the brightness of the screen.)
			Contrast : Adjust contrast. (Contrast means the difference in brightness between an object and its background.)
			Color : Adjust color (RGB).(Adjusting the color to make it look more natural.)
			Sharpness : Adjust sharpness.(Sharpness means the sharpness of the object's profile.)
			Tint : Adjust color intensity.(Color intensity indicates color depth.)
SOUND	Audio Language	English, Français, Español, Portugues	
	SPDIF	AC-3	
		PCM	
	SSM	Music	When watching music video or concerts.
		Movie	When watching movies.
		Speech	When watching a show that is mostly dialogue.
		User	Bass : Adjust bass.
			Treble : Adjust treble.
	AVL	On/Off	AVL Function On/Off.
	Audio Speaker	On/Off	Audio Speaker Function On/Off.
	Surround	Off	Surround Output Off.
		Normal	Optimal Surround for Output Condition.
		Spatial	Enhanced Surround.
	Balance	-10 ~ 10	Adjust balance between the left & right speakers.

Main Menu	Sub Menu 1	Sub Menu 2	Sub Menu 3	Description
PIP/POP/PBP	On/Off	Off	PIP/POP/PBP Function Off.	
		PIP	Source	Component, RGB, DVI
			Swap	To Set
			PIP Size	Small, Large
			PIP Position	PIP Screen Position Selection.
		POP	Source	Component, RGB, DVI
			Swap	To Set
		PBP1~2	Source	Component, RGB, DVI
			Swap	To Set
SET UP	Language	English, Deutsch, Français, Español, Italiano, Korean (Menu Screen Display Language Selection.)		
	Transparency	0~10	Adjusts the image transparency.	
	ISM Method	Normal	Adjusts the image transparency.	
		Orbit	Moves the screen up, down, left and right in small increments to prevent overheating of the panel during prolonged use.	
		White	Sets the whole screen to white.	
	Set ID	0~99	Set ID Selection	
	Factory Reset	Off	Selects the factory default.	
	Timer	Clock	Manual	The standard time area selection.
			Auto	Pacific
				Mountain
				Central
				Eastern
		Off Timer	AM, PM, On/Off	TV Off Time Selection.
		On Timer	AM, PM, On/Off	TV On Time Selection.
			Volume	0~100
		Auto Off	On/Off	TV Off Auto Function Selection.
	Caption	Caption On/Off	Off/On	Caption function Off/On. (When the subtitle function is provided.)
		Option	Service 1~6	
		Font Setup	By Program	
			By User	
		Font Style	Size	Standard, Large, Small
			Style	Font 1~7
		Fg Color	White, Black, Red, Green, Blue, Yellow, Magenta, Cyan	
		Fg Opacity	Solid, Flash, Translucent, Transparent	
		Bg Color	White, Black, Red, Green, Blue, Yellow, Magenta, Cyan	

Main Menu	Sub Menu 1	Sub Menu 2	Sub Menu 3	Description
		Bg Opacity	Solid, Flash, Translucent, Transparent	
		Edge Type	None, Raised, Depressed, Uniform, Left Shadow, Right Shadow	
		Edge Color	White, Black, Red, Green, Blue, Yellow, Magenta, Cyan	
		Analog Caption	CC1~4	Closed Captioning function support.
			TEXT 1~4	Text function support
	Parental	Lock On/Off	Parental function On/Off.	
		MPAA	MPAA(Motion Picture Association of America) Guideline setup available.	
		Age Block	TV Guideline function support.	
		Contect Block		
		Set Password	Password setup available.	
CHANNEL	Channel Scan	To Start	Automatic channel scan.	
	Channel Edit	Select the Chnnels by Air, CATV, DTV Air, DTV CATV.		
	Antenna	All, Cable STD, Cable HRC, Cable IRC		
	Signal Strength			

2.4 To Configure TV Channels

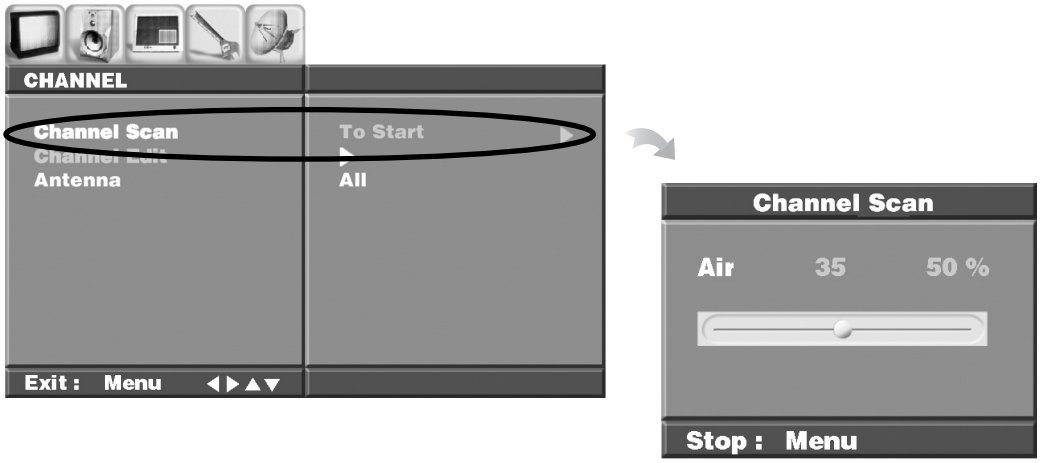
To watch TV with the LCD TV, configure the channels. (Always check the TV connection before use.)
To save TV channels, configure the channels during the broadcasting hours.
Use Automatic Channel Scanning to save all the channels currently airing.

Setting Channels Automatically

1 Press the <MENU> button on the remote control, and press the < VOL/ VOL > button on the remote control to navigate to the 'CHANNEL' menu.

2 Press the < CH > button on the remote control to select the 'Antenna' submenu.
Press the < VOL > button on the remote control to select the broadcasting method (external input).

3 Press the < CH > button on the remote control to move to the 'Channel scan' submenu. At the 'Channel scan' item, press the < VOL > button on the remote control to run 'To Start'. Channels will be scanned and saved automatically.

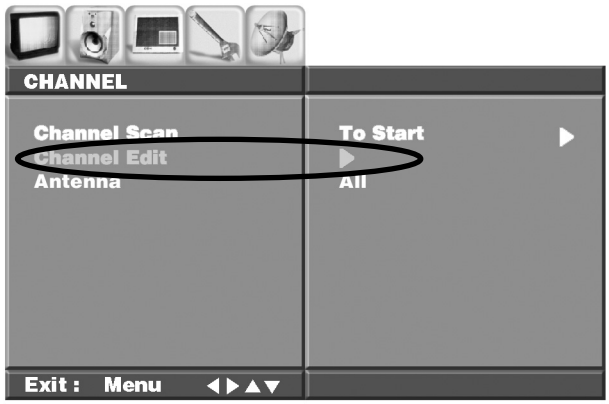


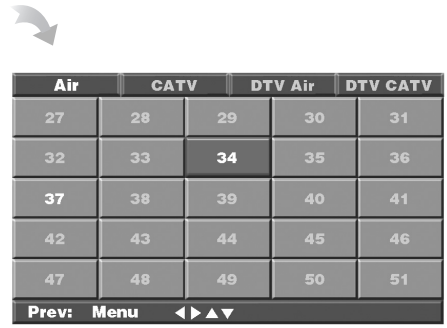
4 Press the <MENU> button on the remote control to close the 'Menu' screen.

Storing the Channel Manually

1 Press the <MENU> button on the remote control, and press the < VOL > button on the remote control to navigate to the 'CHANNEL' menu.

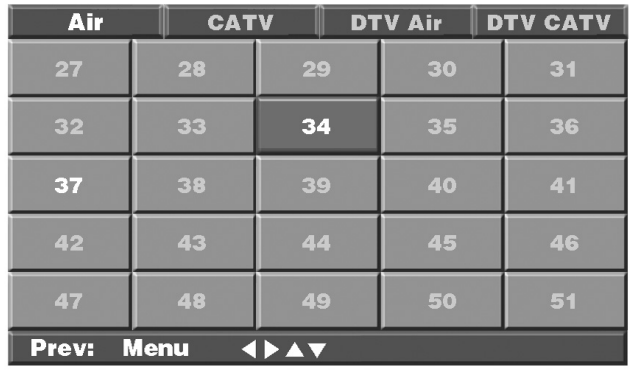
2 Press the < CH > button on the remote control to move to the 'Channel Edit' submenu, and press the < VOL > button to select the channel with the best video quality from the channels found.





3 Press the < CH / VOL > button on the remote control to move to the Channel number. Press the < OK > button.

4 Press the <MENU> button on the remote control to close the 'Menu' screen.



MEMO

2.5 To Select TV/External Input

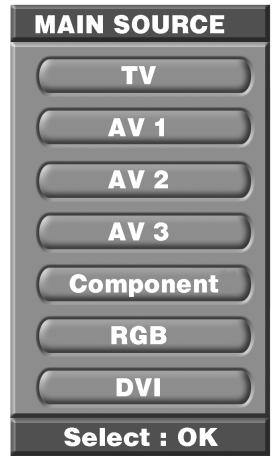
An external input signal connected to the LCD TV can be selected for viewing. (VCR, DVD, Camcorder, etc.)

Selecting an External Input Device Connected to the LCD TV for viewing

1. Press the <SOURCE> button on the remote control.

2. The 'MAIN SOURCE' screen will be displayed. Press the < CH > button on the remote control to select the external device connected to the LCD TV, and press the <OK> button.

3. LCD TV screen will be displayed when you play the external input device.



N · O · T · E

▶ *Press the <SOURCE> button at the bottom of the LCD TV to open the 'MAIN SOURCE' screen. Use the CH ▲/▼ button to navigate to the 'Connected External Device' mode, and press the <SOURCE> button to make a selection.*

Selecting External Input Device When Playing PIP/POP/PBP

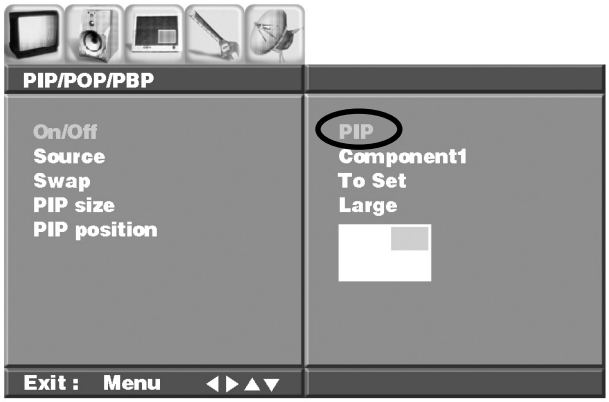
Check the location of the external input device connected to the LCD TV, and select an appropriate item. (Connection with cable broadcast, connection with VCR, connection with DVD, connection with camcorder, etc.)

1 Press the <MENU> button on the remote control.

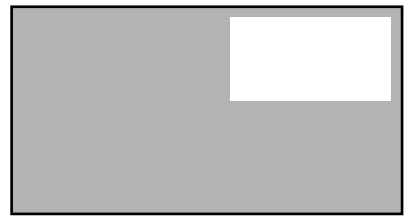
2 Press the < VOL ◀ VOL ▶ > button on the remote control to navigate to the 'PIP/POP/PBP' menu, and press the < CH ▼ CH ▲ > button to navigate to the 'On/Off' submenu.

3 Press the < VOL ◀ VOL ▶ > button on the remote control. Option items will be displayed according to the items 'PIP, POP, PBP1, and PBP2'.

4 Configure settings for each of the items PIP, POP, PBP1, and PBP2. Select the external input device connected to the LCD TV and configure the appropriate option item (PIP/POP/PBP).



Using PIP Mode

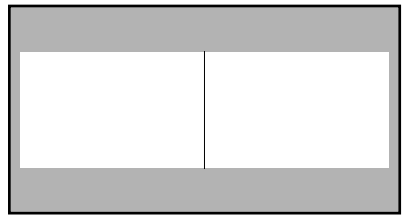


LCD TV Screen

Using POP Mode

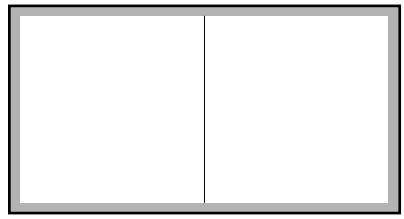
LCD TV Screen

Using PBP1 Mode



LCD TV Screen

Using PBP2 Mode



LCD TV Screen

5 When option configuration for each item is complete, press the <OK> button on the remote control.

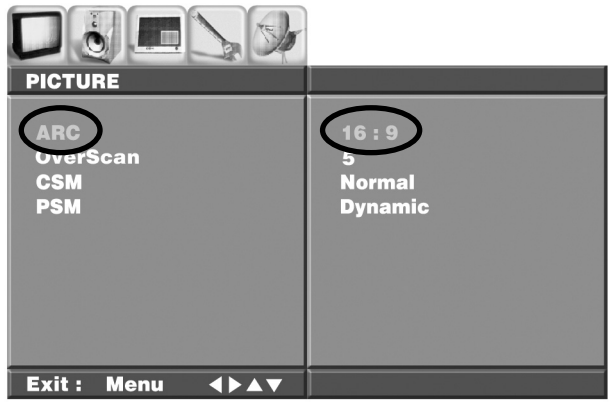
6 To swap between the main screen and the sub-screen when in PIP, POP, or PBP mode, press the <SWAP> button on the remote control.

2.6 Adjusting the Picture

Selecting Screen ARC

1 Press the <MENU> button on the remote control.

2 Press the < ▼ CH > button on the remote control to navigate to the 'ARC' submenu.



3 Press the < VOL ▶ > button on the remote control to select Screen Aspect. When selection is complete, press the <OK> button (16:9, 14:9 or 4:3, Zoom 1 ,Zoom 2).

<16:9>

<14:9>

<4:3>

<Zoom 1>

<Zoom 2>

<Supported Only When the PIP/POP/PBP mode is Set to OFF>

4 When configuration is complete, press the <MENU> button to close the ‘Menu’ screen.

Magnifies the screen size

1 Press the <MENU> button on the remote control.

2 Press the <OK> button on the remote control to navigate to the ‘PICTURE’ menu.

3 Press the < CH > button on the remote control to navigate to the ‘OverScan’ submenu.
Press the < VOL > button on the remote control to Managifies the screen size.
When selection is complete, press the <OK> button (1~5).

4 When configuration is complete, press the <MENU> button to close the ‘Menu’ screen.

Selecting the CSM

1 Press the <MENU> button on the remote control.

2 Press the <OK> button or the < CH CH > button on the remote control. The menu will be selected, and the submenus can be navigated. Select the ‘CSM (Color Standard Mode)’ submenu and press the < VOL VOL > button on the remote control to select the option item (select option items like ‘Normal, Cool, Warm1~2’ and so on in the ‘CSM’ submenu).

- Normal : Plain White
- Cool : Bluish White
- Warm 1~2 : Reddish White

3 When Selection is complete, press the <OK> button on the remote control, and press the <MENU> button on the remote control once again to close the 'Menu' screen.

N · O · T · E · S

▶ **To configure the menu without the remote control**

❶ *Press the <MENU> button located at the bottom of the LCD TV.*

❷ *Press the <CH ▲/▼> buttons to navigate to submenus.*

❸ *Press the <VOL <◀ / ▶> buttons to adjust each item.*

❹ *If 'Menu for Local Key' is on, the <SOURCE> button is used as the <OK> button. When selects are complete, press the <MENU> button to close the 'Menu' screen.*

▶ Selecting the PSM

The LCD TV has been configured with optimal contrast, brightness, sharpness, colors, etc. by factory default, and there is no need for any further user configuration. However, if you wish to adjust the picture settings, follow the instructions below.

1 Press the <MENU> button on the remote control.

2 Press the < CH > button on the remote control to navigate to the 'PSM' submenu.
Press the < VOL > button on the remote control to select options provided in PSM (Picture Dynamic Mode).

3 PSM (Picture Standard Mode) provides the following functions:

- **Standard** : Standard Picture Appearance
- **Mild** : Softer Picture Appearance
- **Game** : Select this when playing video games on LCD TV.
- **Dynamic** : Vivid Picture Appearance
- **User** : Available user setting items are Brightness, Contrast, Color, Sharpness, Tint, etc.

- Brightness : Adjust brightness. (Brightness means the brightness of the screen.)
- Contrast : Adjust contrast. (Contrast means the difference in brightness between an object and its background.)
- Colour : Adjust color (RGB). (Adjusting the color to make it look more natural.)
- Sharpness : Adjust sharpness. (Sharpness means the sharpness of the object's profile.)
- Tint : Adjust color intensity. (Color intensity indicates color depth.)

4 When configuration is complete, press the <OK> button on the remote control, and then press the <MENU> button on the remote control to close the ‘Menu’ screen.

2.7 Adjusting the Sound

1 Press the <MENU> button on the remote control.

2 Press the < VOL ▶ > button on the remote control to navigate to the 'SOUND' menu.

3 Press the < CH ▼ > on the remote control to go to the 'AUDIO LANGUAGE'sub menu.
Press the < VOL ▶ > on the remote control to select an option for 'AUDIO LANGUAGE'.
This option is available only when digital multilingual signals are provided by the broadcasting station. You can select a voice language for the digital TV.
(English, Français, Español, Portugues)

4 Press the < CH ▼ > to go to the 'SPDIF' sub menu. Press the < VOL ▶ > on the remote control to select an option for 'SPDIF'. Press the <OK> button to save your setting.
Specify a digital audio format for the SPDIF terminal.

- **PCM** : Digital Output (select this option when connecting to a device that supports PCM format.)
- **AC-3** : Digital Output (select this option when connecting to a device that supports AC3 format.)

5 Press the < CH > button on the remote control to navigate to the 'SSM' submenu.
Press the < VOL > button on the remote control to select the options provided in 'SSM'.
When configuration is complete, press the <OK> button.

- Flat : Standard factory settings.
- Music : When watching music video or concerts.
- Movie : When watching movies.
- Speech : When watching a show that is mostly dialogue.
- User : Available user setting items are Bass, Treble, etc.

- **Bass** : Adjusts bass
- **Treble** : Adjusts treble

6 Press the < CH > button on the remote control to navigate to the 'AVL' submenu.
Press the < VOL > button on the remote control to select whether to use the 'AVL' function.
When selection is complete, press the <OK> button.
(The volume level fluctuates from station to station when changing channels.
If Auto Volume is set to ON, the volume is automatically adjusted to a comfortable level when changing channels.)

7 Press the < CH > button on the remote control to navigate to the 'SRS Surround' submenu.
Press the < VOL > button on the remote control to select options provided in 'SRS Surround'.
When configuration is complete, press the <OK> button.

- Off : Select this if not using the Surround output function.
- Normal : Surround sound optimized to the output conditions will be used.
- Special : Enhances the surround output.

8 Press the < CH > button on the remote control to navigate to the ‘Balance’ submenu. Press the < VOL > button on the remote control to adjust ‘Left and Right Speaker Sound Balance’. When adjustment is complete, press the <OK> button.

9 When configuration is complete, press the <MENU> button to close the ‘Menu’ screen.

2.8 Configuring the PIP/POP/PBP Functions

Two channels can be shown on the TV screen simultaneously. Available screen division methods are PIP (Picture in a Picture), POP (Picture on a Picture), and PBP (Picture by a Picture).

N · O · T · E

▶ **The PIP/POP/PBP modes are divided into two groups:**

- Group A: Component, RGB, DVI

- Group B: TV, AV1, AV2, AV3

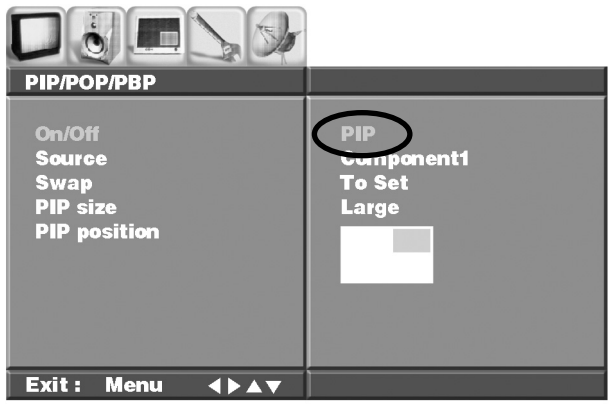
If Group A is selected for the main screen, it cannot be selected for the sub screen.
If Group B is selected for the main screen, it cannot be selected for the sub screen.
That is, the groups selected for the main and sub screen at any one time should be different from each other.

▶ PIP Function Settings

1 Press the <MENU> button on the remote control.

2 Press the < VOL ▶ > button on the remote control to navigate to the 'PIP/POP/PBP' menu.

3 Press the < CH ▼ > button on the remote control to navigate to the 'On/Off' submenu. Press the < VOL ▶ > button on the remote control to select 'PIP'. When configuration is complete, press the <OK> button.



● **Source** : Select the external input source (Component, RGB, or DVI).

- **Swap** : Swap between the main screen and the sub-screen (To Set).
- **PIP Size** : Select the PIP screen size (Small or Large).
- **PIP Position** : Select the PIP screen position.

4 When configuration is complete, press the <MENU> button to close the 'Menu' screen.

POP Function Settings

1 Press the <MENU> button on the remote control.

2 Press the < VOL ▶ > button on the remote control to navigate to the 'PIP/POP/PBP' menu.

3 Press the < CH ▼ > button on the remote control to navigate to the 'On/Off' submenu. Press the < VOL ▶ > button on the remote control to select 'POP'. When configuration is complete, press the <OK> button.

- **Source** : Select the external input source (Component, RGB, or DVI).
- **Swap** : Swap between the main screen and the sub-screen (To Set).

4 When configuration is complete, press the <MENU> button to close the 'Menu' screen.

PBP Function Settings

1 Press the <MENU> button on the remote control.

2 Press the < VOL ▶ > button on the remote control to navigate to the 'PIP/POP/PBP' menu.

3 Press the < CH ▼ > button on the remote control to navigate to the 'On/Off' submenu.
Press the < VOL ▶ > button on the remote control to select 'PBP1 or PBP2'.
When configuration is complete, press the <OK> button.

- **Source** : Select the external input source (Component, RGB, or DVI).
- **Swap** : Swap between the main screen and the sub-screen (To Set).

4 When configuration is complete, press the <MENU> button to close the 'Menu' screen.