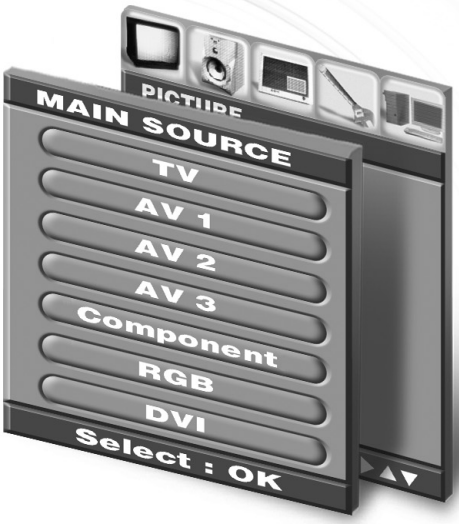
Initial PC Mode Settings 3.1
PC Menu Components 3.2
Main Menu Settings 3.3



Chapter 3

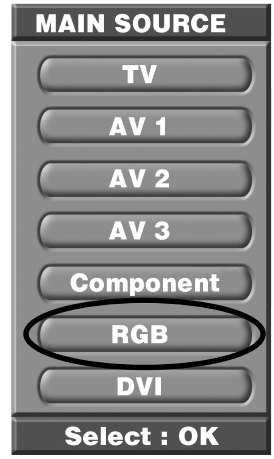
PC Mode Environment Settings

3.1 Initial PC Mode Settings

To use the PC mode, set the resolution on the PC to 1280 x 768 @ 60Hz / 1360 x 768 @ 60Hz, and connect it to the LCD TV (supports up to 1600 x 1200 @ 60Hz/1280 x 1024 @ 85Hz).

1 Connect the LCD TV and the PC, and press the <POWER> button.

2 Press the <SOURCE> button on the remote control. The 'MAIN SOURCE' screen will be displayed.



3 Check the type of cable that connects the LCD TV and the PC. Press the < CH > button on the remote control to navigate to RGB (or DVI), and press the <OK> button. (or press the <PC> button on the remote control.)

4 The 'PC' screen will be displayed.

N · O · T · E

▶ **Highest resolution supported by the PC mode**

Main screen : 1600x1200 @ 60Hz/1280x1024 @ 85Hz

Sub screen : 1280x768 @ 60Hz/1360x768 @ 60Hz

MEMO

3.2 PC Menu Components

The Main menu has 5 categories, which contain submenus and option items.

Switch to the 'PC' mode and press the <MENU> button on the remote control.
The 'MAIN MENU' screen will be displayed.

Main Menu	Sub Menu 1	Sub Menu 2	Sub Menu 3	Description
PICTURE	ARC	16:9, 4:3	Screen Aspect Selection	
	OverScan	1~5	Magnifies the size of the picture on screen.	
	CSM	Normal	Plain white	
		Cool	Bluish white	
		Warm1	Reddish white	
		Warm2	Red	
		User	Controls color (Red, Green, Blue) of the display.	
	Brightness	Adjust the over-all brightness or darkness of the screen.		
	Contrast	Adjust the brightness and darkness between objects and backgrounds.		
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.	
PIP/POP/PBP	On/Off	Off	PIP/POP/PBP Function Off	
		PIP	Source	TV, AV1~AV3, DVI (or RGB)
			Swap	To Set
			PIP Size	Small, Large
			PIP Position	PIP Screen Position Selection.
		POP	Source	TV, AV1~AV3, DVI (or RGB)
			Swap	To Set
		PBP1~2	Source	TV, AV1~AV3, DVI (or RGB)
			Swap	To Set

Main Menu	Sub Menu 1	Sub Menu 2	Sub Menu 3	Description
SET UP	Language	English, Deutsch, Français, Español, Italiano, Korean (Menu Screen Display Language Selection.)		
	Transparency	0~10	Adjusts the image transparency.	
	ISM Method	Normal	Normal screen	
		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.
			CHANNEL	CATV/Air
			Volume	0~100
		Auto Off	On/Off	TV Off Auto Function Selection.
	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	
		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	
	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.	

Main Menu	Sub Menu 1	Sub Menu 2	Sub Menu 3	Description
SCREEN	Auto-Configure	To Start	Automatic adjustment of the screen/Auto in pogress.	
	H-Position	0~100	Horizontal screen position adjustment.	
	V-Position	0~100	Vertical screen position adjustment.	
	Clock	0~100	Picture quality adjustment by fine-tuning.	
	Phase	0~255	Screen phase adjustment (adjustment for screen noise, focus when letters appear to overlap each other, brightness, stability, ect.).	

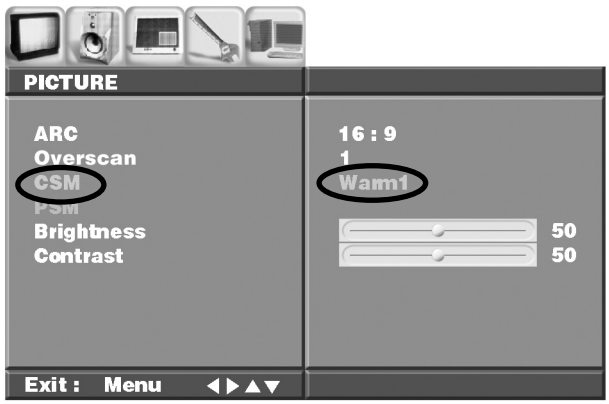
MEMO

3.3 Main Menu Settings

PICTURE Menu Settings

1 Switch to the ‘PC’ mode, press the <MENU> button on the remote control, and then press the <OK> button on the remote control.

2 Press the <OK> button or the < 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 > button on the remote control to select the option item (select option items like ‘Normal, Cool, User, Warm1~2’ and so on in the ‘CSM’ submenu).



3 When selection is complete, press the <OK> button on the remote control.

4 Press the < CH CH > button on the remote control to navigate to the 'Brightness, Contrast' submenu in order to adjust brightness and contrast.

5 When adjustment 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.*

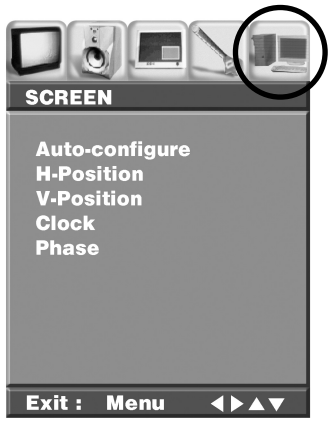
❹ *If 'Menu for Local Key' is on, the <SOURCE> button is used as the <OK> button. When adjustments are complete, press the <MENU> button to close the 'Menu' screen.*

▶ **SOUND/PIP/POP/PBP/SET UP Menu Settings**

For information on the SOUND/PIP/POP/PBP/SET UP menu settings, see '2.6 Adjusting the Sound', '2.7 Configuring the PIP/POP/PBP Functions', and '2.8 To Configure the SET UP'.

SCREEN Menu Settings

1 Switch to the ‘PC’ mode, press the <MENU> button on the remote control, and then press the < VOL ◀ VOL ▶ > button on the remote control to navigate to the ‘SCREEN’ menu.



2 Press the < CH ▼ CH ▲ > button on the remote control to navigate to the ‘Auto Configure’ submenu, and press the < VOL ▶ > button on the remote control. The ‘Auto in Progress’ screen will be displayed, and the screen will be adjusted automatically.

3 Press the < CH > button and the < VOL > button on the remote control to adjust the submenus ‘H-Position’, ‘V-Position’, ‘Clock’, ‘Phase’, etc.

- **H-Position** : Adjusts horizontal screen position.
- **V-Position** : Adjusts vertical screen position.
- **Clock** : Adjusts the picture quality by fine tuning the screen.
- **Phase** : Adjusts the screen phase (adjustment for screen noise, focus when letters appear to overlap each other, brightness, stability, etc.).

4 When adjustment 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.

Appendix

A.1 Appendix

Specifications

		37″	
Panel	Panel Type	37″ Wide TFT Colour LCD	
	Display Area	819.6 mm × 460.8 mm (37.02 inch(940.3 mm) diagonal)	
	Display Color	(8bit) 16.7 million	
	Pixel Pitch	0.2 mm × 0.6 mm × RGB	
	Recommended Resolution	1366 × 768	
	Contrast Ratio	600 (typical)	
	Luminance white	500 cd/m^2 (Center 1 point Typ.)	
	Viewing Angle	Free View Angle (R/L 176, U/D 176)	
In/Out	PC	Analog RGB 15 pin D-Sub Input	
		DVI Input	
	Video	Composite Input	
		Composite Output	
		S-Video Input	
		Component Input	
		PC (analog RGB) Input	
		DVI Input	
	Audio	Composite RCA L/R Input	
		Composite RCA L/R Output	
		Component RCA L/R input	
		Headphone Output	
		SPDIF Output	
		PC/DVI Audio Input	
RF Signal	Antenna	75Ω Coaxial cable	
	Color System	NTSC	
	Sound System	M	
	Stereo Type	MTS/SAP	
	Text	Close caption/V-chip	
Others	Power Consumption	221 watts	
	Power Save Mode	Less than 3 watts	
	Speaker	10 watts × 2	
		Size	19(W) × 11.5(D) × 59(H)cm 7.48(W) × 4.52(D) × 23.22(H)inch
		Weight	2.2kg/4.84pounds(gross)
	Plug & Play	DDC 1/2 B	

	Screen Control	True Colour On Screen Display Menu, Bit Map
	Remote Controller	Yes
	Dimension	1086(W)×304(D)×640(H)mm : (Speaker, Stand) included 42.75(W)×11.96(D)×25.19(H)inch
	Weight	Net 29.7kg/65.47pounds Gross 36.6kg/80.68pounds

		42″
Panel	Panel Type	42″ Wide TFT Colour LCD
	Display Area	930.25 mm×523.01 mm (42.02 inch (1067.308 mm) diagonal)
	Display Color	16.7 million, 8 bit
	Pixel Pitch	0.227 mm×0.681 mm×RGB
	Recommended Resolution	1366×768
	Contrast Ratio	550(Typical)
	Luminance white	500 cd/m^2 (Center 1 point Typ.)
	Viewing Angle	Free View Angle (R/L 178, U/D 178)
In/Out	PC	Analog RGB 15 pin D-Sub Input
		DVI Input
	Video	Composite Input
		Composite Output
		S-Video Input
		Component Input
		PC (analog RGB) Input
		DVI Input
	Audio	Composite RCA L/R Input
		Composite RCA L/R Output
		Component RCA L/R
		Headphone Output
		SPDIF Output
		PC/DVI Audio Input
RF Signal	Antenna	75Ω Coaxial cable
	Color System	NTSC
	Sound System	M
	Stereo Type	MTS/SAP
	Text	Close caption/V-chip
Others	Power Consumption	253 watts
	Power Save Mode	Less than 3 watts

	Speaker	10 watts ×2	
		Size	19(W)×11.5(D)×68(H)cm 7.48(W)×4.52(D)×26.77(H)inch
		Weight	2.5kg/5.5pounds(gross)
	Plug & Play	DDC 1/2 B	
	Screen Control	True Colour On Screen Display Menu, Bit Map	
	Remote Controller	Yes	
	Dimension	1221(W)×304(D)×731(H)mm : (Speaker, Stand) included 48.07(W)×11.96(D)×28.77(H)inch	
	Weight	Net 33.0kg/72.75pounds Gross 41.5kg/91.49pounds	

Display Modes

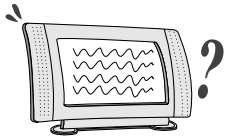
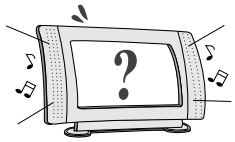
If the signal from the system is equal to the standard signal mode, the TV is adjusted automatically. If the signal from the system does not equal the standard signal mode, adjust the mode by referring to the Video card user guide, because the TV might not display or the power LED only might be on. For the display modes listed below, the screen image has been optimized initially.

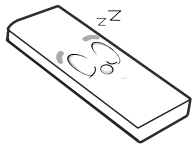
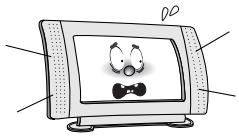
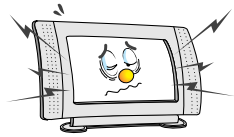
Section	Resolution	H Frequency (KHz)	V Frequency (Hz)	Pixel Frequency(MHz)	Comment
PC	640×400	37.861	85.08	31.5	VESA
	640×350	31.469	70.087	25.175	IBM
	640×350	37.861	85.08	31.5	VESA
	640×480	31.469	59.94	25.175	IBM
	640×480	35.000	66.667	30.24	MAC
	640×480	37.861	72.809	29.765	VESA
	640×480	37.500	75.0	31.5	VESA
	640×480	43.269	85.008	36.0	VESA
	720×400	31.469	70.087	28.332	IBM
	720×400	37.927	85.039	35.5	VESA
	800×600	35.156	56.25	36.0	VESA
	800×600	37.879	60.317	40.0	VESA
	800×600	48.077	72.188	50.0	VESA
	800×600	46.875	75.0	49.5	VESA
	800×600	53.674	85.061	56.25	VESA
	832×624	49.726	74.551	57.284	MAC
	1024×768	48.780	60.001	64.11	MAC
	1024×768	48.363	60.004	65.0	VESA
	1024×768	56.476	70.069	75.0	VESA
	1024×768	60.241	74.927	81.724	MAC
	1024×768	60.030	75.029	78.75	VESA
	1152×864	67.500	75.0	104.993	VESA
	1152×870	68.681	75.062	100.0	MAC
	1280×768	47.700	60.0	80.136	
	1360×768	47.700	60.0	80.136	
DTV	720×480	15.735	59.94	13.500	SDTV, DVD 480i
	720×576	15.735	50.0	13.595	SDTV, DVD 576i
	720×480	31.469	59.94	25.175	SDTV, 480p
	720×576	31.250	50.0	26.566	SDTV, 576p
	1280×720	44.964	59.94	74.176	HDTV, 720p
	1280×720	37.500	50.0	60.466	HDTV, 720p
	1920×1080	33.750	60.0	74.25	HDTV, 1080i
	1920×1080	28.125	50.0	70.723	HDTV, 1080i

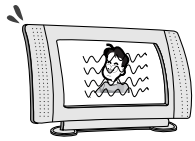
Check before calling for service

Please check the following before asking the service center about any problems with your LCD TV.

Something seems to be wrong with the TV

Symptoms	What to do
● The TV does not turn on.	➪ Check the power cable connection and press the <POWER> button on the remote control.
● The TV is making strange noises, but there is no video or audio. 	➪ The TV may be in external input mode. Press the <TV/AV> button on the remote control.
● There is video but no audio.	➪ Try pressing the volume adjustment < VOL ◀ VOL ▶ > button. ➪ Try pressing the <MUTE> button on the remote control.
● There is audio but no video. 	➪ Press the <MENU> button to adjust the screen brightness (go to the screen menu to adjust the settings. For more information, see Pages 2-18~21.) ➪ When you connect it to the external devices, check the status of Video terminal connection.
● Images overlap , spots appear on the screen, and audio is unstable.	➪ Check the antenna cable connection. ➪ Check whether the antenna cable is old or damaged. ➪ Check whether the external antenna direction is correct. It may have been altered by strong winds and so on.

Symptoms	What to do
● The picture shakes, lines appear, and audio is unstable.	➪ Check whether the TV signal is receiving interference from other radio waves or devices. ➪ Check whether the TV signal is receiving interference from automobiles, high-voltage cables, airplanes, neon signboards and so on. Change the antenna direction if necessary.
● The remote controller does not work. 	➪ Check whether the batteries are dead or installed incorrectly. ➪ Check whether the receiver on the LCD TV unit is masked. Ensure it is facing in the correct direction.
● The LCD TV is making cracking sounds. 	➪ When the LCD TV is turned on or off, cracking sounds may be heard. This happens because the cabinet contracts or expands due to environmental factors, including humidity and temperature. There are no adverse effects on the TV's performance.
● Stereo audio is unclear or discontinuous. 	➪ If the broadcasting station is too far away or the TV is getting interference from other radio waves, the stereo audio may not be clear. In this case, press the <SSM> button.
● When playing VCR, there is no video.	➪ Check whether the VCR is set to a dedicated VCR channel (3 or 4), and the input mode for the TV is set to video mode. ➪ Check the video cable connection between the VCR and TV.

Symptoms	What to do
● When playing a DVD, there is no video.	➪ Check the video cable connection between the DVD and TV. ➪ Check whether there is a problem with the DVD title. ➪ Check whether the external input signal matches the DVD output signal.
● When playing VCR, there is noise on the screen. 	➪ Use the screen adjustment button on the VCR to make adjustments. ➪ Check whether the video tape is in good condition.
● Some channels cannot be received.	➪ Ensure that your channel selection is correct. For more information, see section '2.3 To Configure TV Channels'.
● When playing VCR, there is no sound.	➪Check the audio cable connection between the TV and VCR.
● The DVD playback screen is not clear.	➪ Check whether the DVD title surface is clean. Check for scratches and dust.

Troubleshooting

If you have a problem setting up or using your LCD TV, you may be able to solve it yourself. Before contacting customer service, try the suggested actions that are appropriate to your problem.

What you see...	Suggested Actions	Reference
'No Signal' message	• Ensure that the signal cable is firmly connceted to the PC or video sources. • Ensure that the PC or video sources are turned on.	Page 1-18 ~ 1-26
'Out of Range' message	• Check the maximum resolution and the frequency of the video adaptor. • Compare these values with the data in the Display Modes Timing Chart.	Page A-5
The image is too light or too dark	• Adjust the Brightness and Contrast.	Page 2-20 ~ 2-21 Page 3-6 ~ 3-7
Horizontal bars appear to flicker, jitter or shimmer on the image.	• Adjust the Clock function. • Auto in progress will clear it automatically.	Page 3-8 Page 3-9
Vertical bars appear to flicker, jitter or shimmer on the image.	• Adjust the Phase function and then adjust the Clock function. • Auto in progress will clear it automatically.	
Image is not stable and may appear to vibrate	• Auto in progress will clear it automatically. • Check that the display resolution and frequency of your PC or video board is an available mode for your TV. On your computer check: Control Panel, Display, Settings	Page 3-8 Page 3-9
Image is not centered on the screen.	• Auto in progress will set the best position automatically. • Adjust the horizontal and vertical position.	Page 3-8 Page 3-9
No sound	• Ensure that the audio cable is firmly connected to both the audio-in jack on your TV and the audio-out jack on your sound card.	Connecting a PC, TV or VCR, DVD Page 1-18 ~ 1-26 Adjust the Sound settings Page 2-22 ~ 2-24
	• Check the volume level	
Sound level is too low	• Check the volume level	
	• If the volume is still too low after turning the control to its maximum, check the volume control on the computer sound card or software program.	Refer to your computer, sound card or software documentation.
Sound is too high pitched or too low pitched	• Adjust the Treble and Bass to appropriate level.	Adjusting the Sound Settings, Page 2-22 ~ 2-24
TV signal is not received	• Ensure that the antenna cable is firmly connected to the VHF/UHF jack.	Connecting to watch TV or VCR, DVD Page 1-18 ~ 1-26