

SIEMENS



CMTC1713 / CMTC1913

TFT LCD Monitor

User Manual

Technical specifications and availability subject to change without notice.

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1 General safety instructions

- Read the general safety precautions before operating the device.
- Keep this document for reference.
- Always pass this document on together with the product.
- Please also take into account any additional country-specific, local safety standards or regulations concerning project planning, operation and disposal of the product.

Liability claim

- Do not connect the device to the 230 V supply network if it is damaged or any parts are missing.

Danger of electrical shock on the open device

- The device may only be opened by trained service technicians.

1.1 Installation

- The device is approved for use within the European Union. When used in countries outside the European Union, the national or local requirements for approval must be met before operating the device.

Damage due to unsuitable mounting location

- Do not operate the device close to sources of powerful electromagnetic radiation.
- The device should only be used for indoor applications.
- Protect the device against moisture.

Danger of electrical shock due to incorrect connection

- Connect the device only to power sources with the specified voltage. Voltage supply requirements can be found on the rating label of the device.

Danger of electrical shock due to unsuitable power source

- Use only the plug-in power supply unit that is included in the delivery.
- Use the plug-in power supply only in conjunction with a power supply cable that has been approved in your country and complies with the national standards.

2 Standards and guidelines

2.1 EU directives

This product complies with the requirements of the following European directives. The EU declaration of conformity is available to the responsible agencies at:

Siemens Building Technologies
Fire & Security Products GmbH & Co. oHG
76181 Karlsruhe
Germany

European Directive 2004/108/EC „Electromagnetic Compatibility”

Compliance with the European Directive 2004/108/EC has been proven by testing according to the following standards:

Emitted interference:	EN 61000-6-3
Interference resistance:	EN 50130-4

European Directive 2006/95/EEC „Low-Voltage Directive”

Compliance with the European Directive 2006/95/EEC has been proven by testing according to the following standards:

Safety:	EN 60950-1
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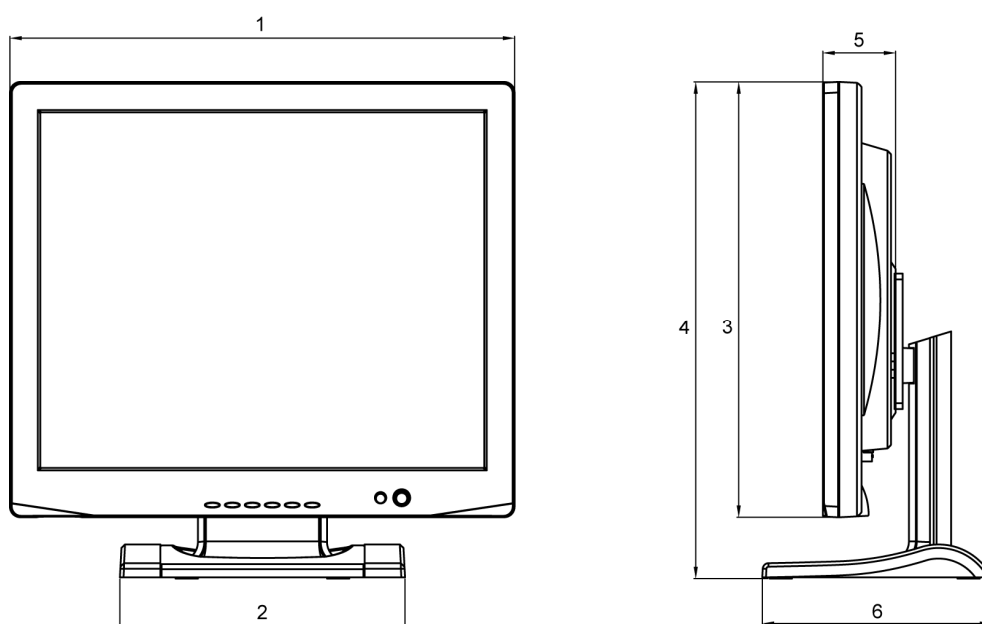
3 Technical data

	CMTC1713	CMTC1913
Panel type	17" TFT color LCD panel	19" TFT color LCD panel
Screen size	431 mm (diagonal)	480 mm (diagonal)
Viewable Size (H x V)	337.9 x 270.3 mm	376.32 x 301 mm
Dot pitch (H x V)	0.264 x 0.264 mm	0.294 x 0.294 mm
Viewing angle (H / V)	160° / 160°	
Contrast ratio	1000:1	800:1
Brightness	300 cd/m ²	
Resolution (H x V)	1280 x 1024 pixel	
Display colors	16.2 M	
Response time	5 ms	
Power requirements (PSU)	100 – 240 V AC	
Power requirements (Monitor)	DC 12 V / 3 A	DC 12 V / 3.5 A
Power consumption	50 W	
Scan frequency	H :31 - 64 KHz; V: 56 - 75 Hz	
Input	PC <ul style="list-style-type: none"> ● Resolution: SXGA (1280 x 1024 @60 Hz) ● Connector: DVI-D ● Scan frequency: H: 31 - 64 KHz; V: 56 - 75 Hz VIDEO <ul style="list-style-type: none"> ● Standard: PAL / NTSC ● Connector: 2 x BNC (composite video), 1 x Mini DIN 4pol (S-Video, Y/C) ● Level: 1.0 Vp-p, 75 Ohm terminated AUDIO <ul style="list-style-type: none"> ● Built-in speakers: 2 x 2 W stereo sound ● 1 x Phone jack for PC sound, 1 x Cinch for video sound 	
OSD languages	English, French, German, Italian, Spanish, Portuguese, Dutch	
Dimensions (W x H x D)	382 x 391 x 200 mm (with base)	430 x 425 x 200 mm (with base)
Weight	6.2 kg	6.6 kg
Wall mount	VESA 100 standard	
Approvals	CE	

4 Details of ordering

Type	Order No.	Designation	Weight
CMTC1713	S54573-C4-A1	17" TFT CCTV Monitor	6.2 kg
CMTC1913	S54573-C5-A1	19" TFT CCTV Monitor	6.6 kg

5 Dimension drawings



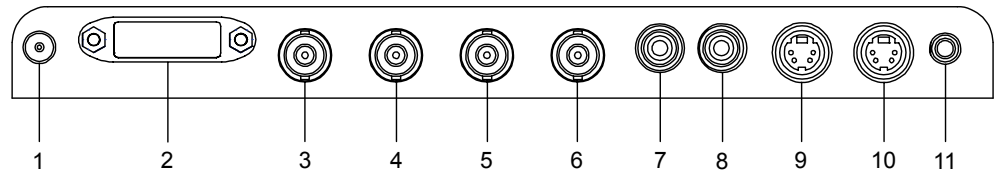
	Dimension	CMTC1713	CMTC1913
1	Width monitor	382 mm	430 mm
2	Width base	243 mm	243 mm
3	Height monitor	330 mm	371 mm
4	Height monitor (with base)	392 mm	423 mm
5	Depth monitor	60 mm	62 mm
6	Depth monitor (with base)	195.5 mm	195.5 mm

6 Package contents

- 1 x Power supply 100 – 240 V AC (incl. power cable)
- 1 x VGA cable
- 1 x DVI cable
- 1 x Adapter (VGA to DVI)
- 1 x Audio stereo cable
- 1 x Remote control (incl. batteries)
- 1 x User manual

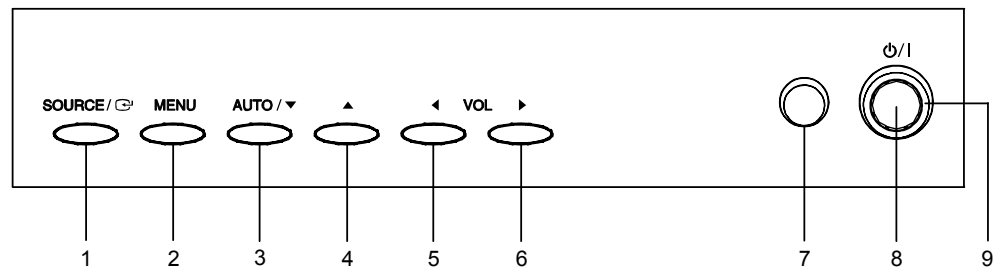
7 Hardware Description

7.1 Connections



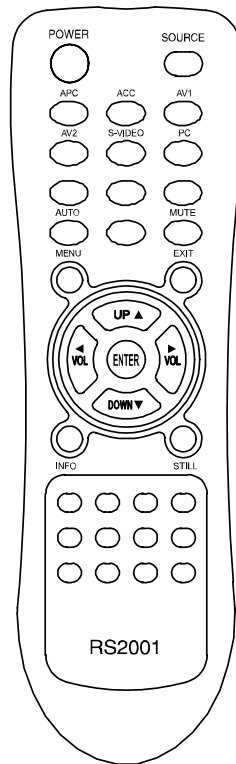
1	DC 12V IN	DC power input
2	DVI IN	PC signal input
3	VIDEO 1 IN	Composite signal input for AV1
4	VIDEO 1 OUT	Video looping output for AV1
5	VIDEO 2 IN	Composite signal input for AV2
6	VIDEO 2 OUT	Video looping output for AV2
7, 8	AUDIO IN (L+R)	Stereo audio signal input for video
9	S-VIDEO IN	Y/C separated signal input
10	S-VIDEO OUT	Y/C separated signal looping output
10	PC STEREO IN	Stereo audio stereo input for PC

7.2 Buttons and controls



1	SOURCE	Selects input source (AV1, AV2, S-Video, DVI-D, DVI-A) In OSD menu: Enters sub menu
2	MENU	Enters and exits the OSD menu [→ 11] In OSD menu: Exit sub menu
3	AUTO / ▼	Auto geometry adjustment (only in DVI-A mode) In OSD menu: Moves downwards in the menu
4	▲	In OSD menu: Moves upwards in the menu
5/6	◀ VOL ▶	Adjusts the volume In OSD menu: Adjusts menu settings or enters/exits the submenu
7	IR SENSOR	Remote control sensor
8	POWER SWITCH	Turns the power ON or OFF
9	POWER LED	Shows the monitor power status (Green = The power is turned ON; Red = The power is turned OFF) See also chapter Power management [→ 9]

7.3 Remote functions



POWER: Turns the power ON or OFF

SOURCE: Selects input source (AV1, AV2, S-Video, DVI-D, DVI-A)

APC (Auto Picture Control): Selects Picture mode [→ 11]

ACC (Auto Color Control): Selects Color tone [→ 11]

AV1: Selects AV1 input source

AV2: Selects AV2 input source

S-VIDEO: Selects S-VIDEO input source

PC: Selects DVI input source (DVI-A, DVI-D)

AUTO: Auto geometry adjustment (only in DVI mode)

MUTE : Mutes the sound

MENU: Enters and exits the OSD menu [→ 11]

EXIT: Exits the OSD menu

VOL◀▶: Adjusts the level of audio volume

UP/DOWN: Moves upwards/downwards in the OSD menu

ENTER: Enters an OSD submenu or accepts your selection

INFO: Displays information about input source and picture mode

STILL: Pauses the picture

7.4 Power management

This monitor features a power management system to “power down” upon receipt of a signal from a VESA DPMS-compliant video card.

Display Power Management Signaling (DPMS) is a VESA interface standard that reduces power to computer monitors, when not in use. DPMS defines 4 power management modes for monitors in idle state: Power On, Standby, Suspend and Power Off.

Power consumption

Mode	Power consumption
Power On	< 50 W
Standby	< 11 W
Suspend	< 11 W
Power Off	< 8.5 W

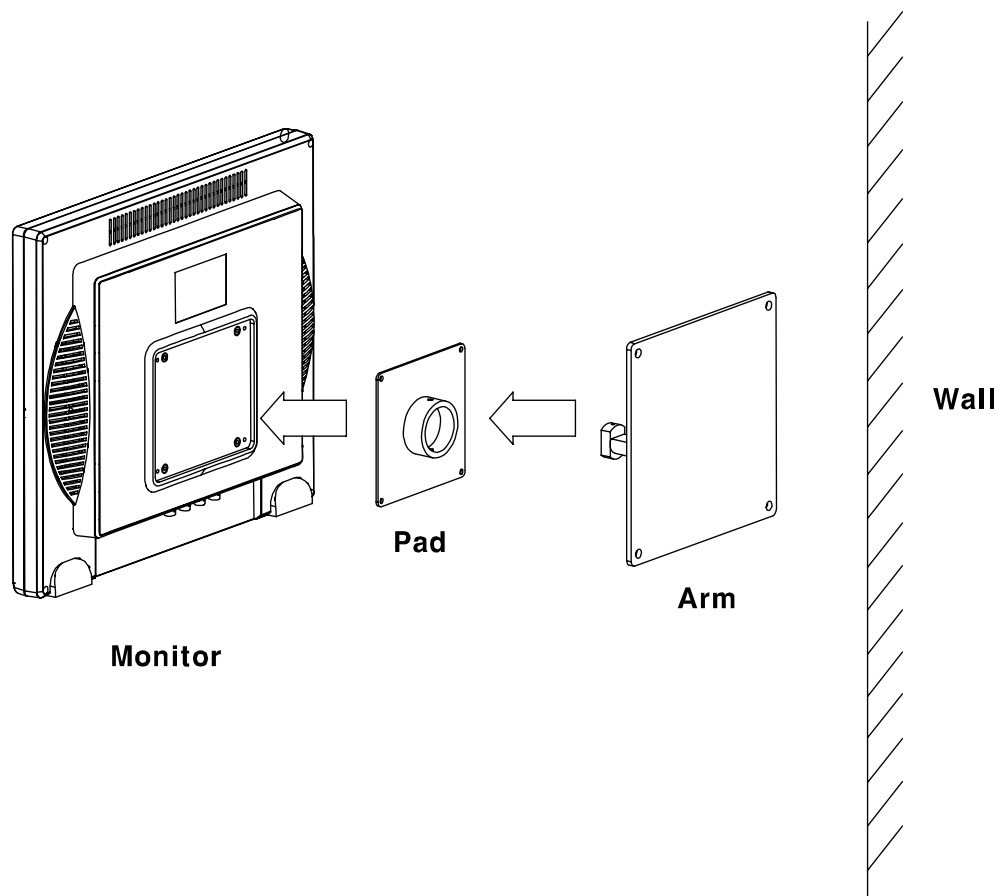
LED Indicator

Mode	Color	Monitor operation
Power On	Green	Normal operation
Standby	Red blinks	Screen blanks after preset idle time and the monitor shuts down
Suspend		
Power Off	Red	Not operation

8 Mounting the monitor

The LCD monitor CMT1713/1913 is suitable for wall mounting by using the VESA 100 standard wall mount design.

1. Remove the base from the monitor by loosening the screws on the back panel.
2. Install the monitor to the wall as shown in the picture below.



9 Adjusting the OSD screen

All picture and sound settings for the monitor can be adjusted in the OSD menu (On Screen Display).

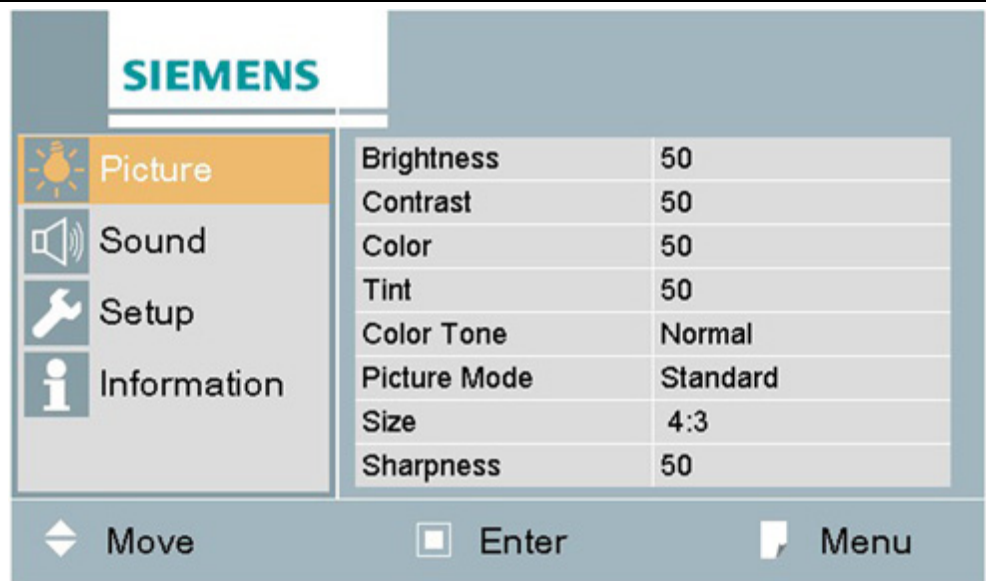
To adjust the OSD screen:

1. Press the **Menu** button to enter the OSD menu.
2. Press the ▲/▼ buttons to select the desired option.
 - ⇒ The selected option is highlighted.
3. Press the ► button to enter the submenu for adjusting items.
4. Change the value you wish to adjust by using the ◀/▶ buttons.
5. Press the ◀ button to exit the submenu for adjusting items.
6. Press the **Menu** button to exit the OSD menu.
 - ⇒ The OSD menu disappears.
 - ⇒ All settings are saved automatically.



The OSD menu automatically disappears after a preset if no settings are made.

9.1 Picture



Option	Function	Values
Brightness	Adjusts brightness of the screen	0 - 100
Contrast	Adjusts intensity of the image	0 - 100
Color *	Adjusts color of the picture	0 - 100
Tint *	Adjusts tint of the picture	0 - 100
Color Tone	Sets color tone	See table below
Picture Mode	Sets picture mode	See table below
Size	Displays picture size	4:3
Sharpness *	Adjusts sharpness of the picture	0 - 100

*Not available in DVI-A mode

Color tones

Custom*	To manually adjust the color tones (Red, Green, Blue)
Cool	Gives the white colors a bluish tint
Normal	Gives the white colors a neutral tint
Warm	Gives the white colors a reddish tint

* In DVI-A mode only

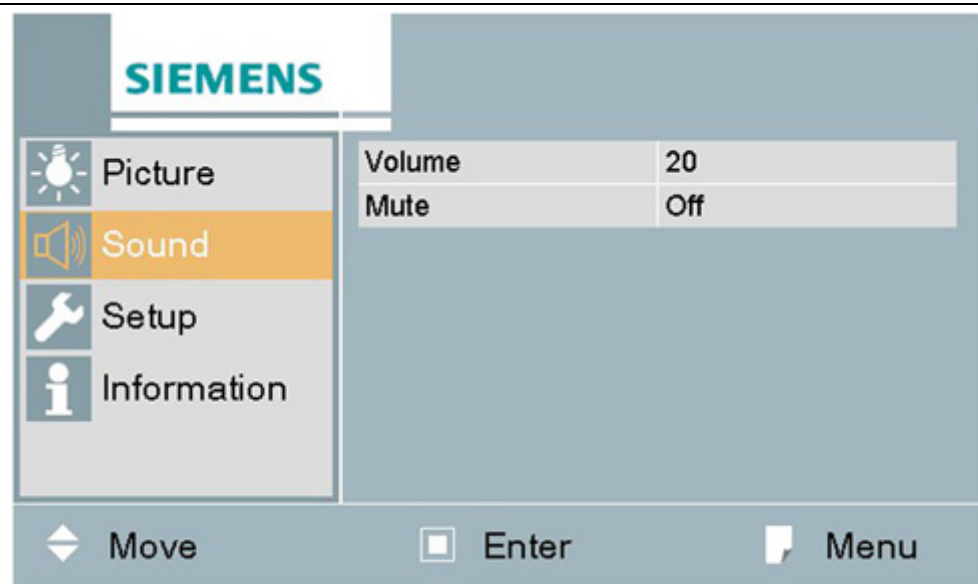
Picture modes

Dynamic	Provides enhanced contrast and sharpness
Standard	Provides standard contrast and sharpness
Movie	Is recommended for viewing film-based content
Mild	Reduces contrast and sharpness

Picture modes (in DVI-A mode)

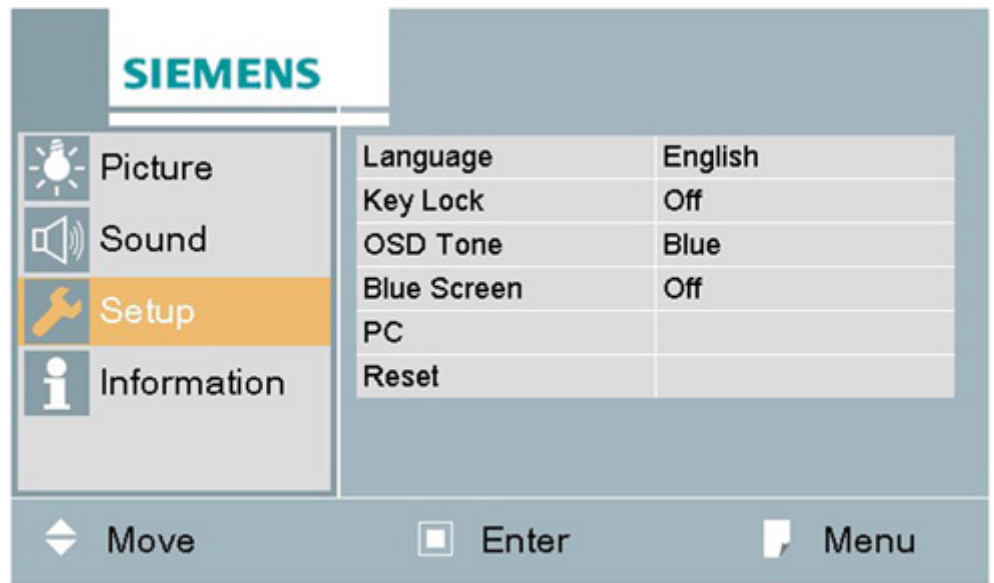
Custom	Applies user selected values (Brightness, Contrast)
High	Uses the following values: Brightness= 50, Contrast = 70
Middle	Uses the following values: Brightness = 50, Contrast = 50
Low	Uses the following values: Brightness = 40, Contrast = 40

9.2 Sound



Option	Function	Values
Volume	Adjusts the level of audio volume	0 - 100
Mute	Mutes speaker sound	On, Off

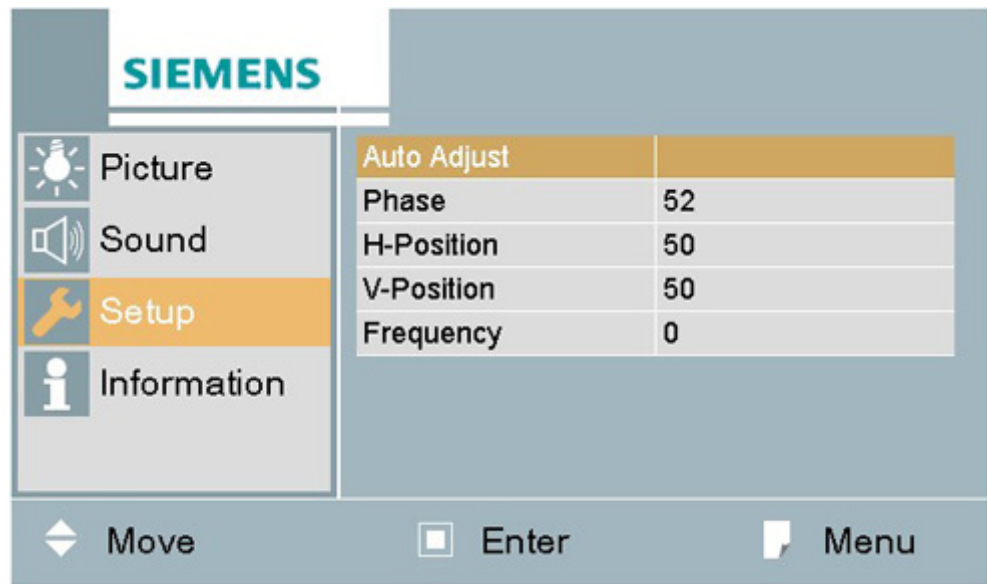
9.3 Setup



Option	Function	Values
Language	Sets the language of the OSD menu	English, Français, Deutsch, Italiano, Español, Português, Nederland
Key Lock	Locks all buttons of the monitor Note: Use remote control to unlock [→ 9]	On, Off
OSD Tone	Changes background color of monitor menus (e.g. input source, information)	Transparency, Blue
Blue Screen	Displays a blue screen if the monitor receives no signal	On, Off
PC*	See table below	
Reset	Resets the monitor settings to their factory default	

* Only available in DVI-A mode

PC setup (only in DVI-A mode)



Option	Function	Values
Auto Adjust	Auto geometry adjustment	
Phase	Adjusts the number of horizontal picture elements	0 - 100
H-Position	Adjusts the horizontally picture position	0 - 100
V-Position	Adjusts the vertically picture position	0 - 100
Frequency	Adjusts the vertical noise of screen image	0 - 100

9.4 Information



Firmware version	Displays the version of the monitor firmware
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10 Troubleshooting

Problem	Troubleshooting
No image on display screen	<ol style="list-style-type: none"> 1. Check that the power cord of the monitor has been connected securely into wall outlet or grounded extension cable or strip. 2. Power switch should be in the ON position and LED is lit. 3. Check that the Brightness and/or the Contrast of the display have not been turned down to minimum levels [→ 11] .
"Going to sleep" message on screen	<ol style="list-style-type: none"> 1. Check that the signal cable is completely connected to the video card/computer. 2. Check that the video card is completely seated in its slot and the computer is switched on.
Display image is not centered, too small or too large in PC mode	<ol style="list-style-type: none"> 1. Press the Auto button (in DVI mode) or adjust picture settings [→ 11] .
Vertical or horizontal noise is present in the picture	<ol style="list-style-type: none"> 1. Press the Auto button or adjust Frequency and Phase in the OSD menu [→ 14] .
Can see picture but no sound is audible	<ol style="list-style-type: none"> 1. Make sure that audio inputs are connected properly. 2. Check to see whether the volume is turned down [→ 12] .

11 Disposal



All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

This crossed-out wheeled bin symbol on the product means the product is covered by the European Directive 2002/96/EC.

The correct disposal and separate collection of your old appliance will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.

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Issued by

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www.buildingtechnologies.siemens.com

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Document ID **A6V10230457**
Edition 19/12/2008