

# Dell™ W1700 LCD TV User's Guide

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*Initial release: Oct, 2003*

# Preface: Dell™ W1700 LCD TV User's Guide

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## About This Guide

This guide is intended for anyone who uses the Dell™ W1700 LCD TV. It describes the product features, setup, and operation.

The sections are as follows:


- [Safety Instructions](#) lists safety information.
  - [Introduction](#) gives an overview of the LCD TV's features and provides an orientation to the LCD TV.
  - [Setup](#) describes the initial setup process.
  - [Using the LCD TV](#) gives an overview of how to use the LCD TV.
  - [Troubleshooting](#) provides tips and solutions for common problems.
  - [Specifications](#) lists the technical specifications of the LCD TV.
  - [Regulatory](#) lists regulatory certifications and notices.
  - [Dell Contact Information](#) provides Dell Service support information.
  - [Limited Warranty](#) describes the warranty information for this product.
  - [Documentation](#) provides additional documentation that supports this product.
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## Notational Conventions


The following subsections describe notational conventions used in this document.

### Notes, Notices, and Cautions

Throughout this guide, blocks of text may be accompanied by an icon and printed in bold type or in italic type. These blocks are notes, notices, and cautions, and they are used as follows:

 **NOTE:** A NOTE indicates important information that helps you make better use of your computer.

 **NOTICE:** A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **CAUTION:** A CAUTION indicates a potential for property damage, personal injury, or death.

Some cautions may appear in alternate formats and may be unaccompanied by an icon. In such cases, the specific presentation of the warning is mandated by regulatory authority.

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# Safety Instructions: Dell™ W1700 LCD TV User's Guide



**Caution: Use of controls, adjustments, or procedures other than those specified in this documentation may result in exposure to shock, electrical hazards, and/or mechanical hazards.**

Read and follow these instructions when connecting and using your LCD TV:"

- To help avoid damaging your computer, be sure that the voltage selection switch on the power supply for the computer is set to match the alternating current (AC) power available at your location:
  - 115 volts (V)/60 hertz (Hz) in most of North and South America and some Far Eastern countries such as Japan, South Korea (also 220 volts (V)/60 hertz (Hz)), and Taiwan.
  - 230 volts (V)/50 hertz (Hz) in most of Europe, the Middle East, and the Far East.

Always be sure that your LCD TV is electrically rated to operate with the AC power available in your location.



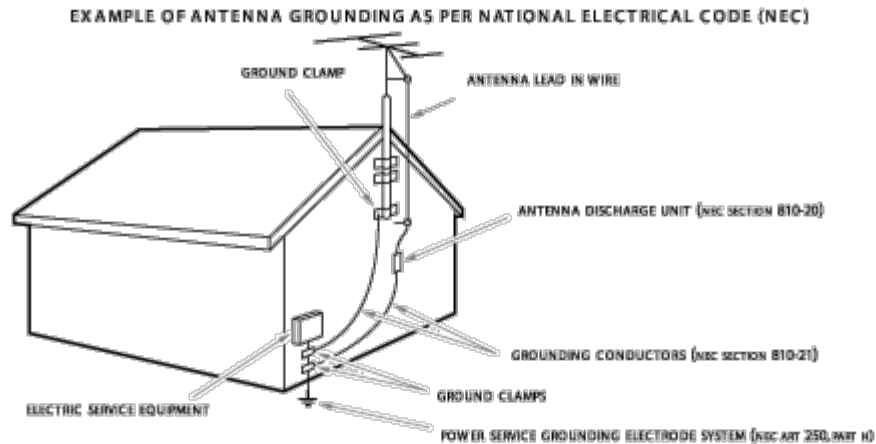
*Note: This LCD TV does not need or have a voltage selection switch for setting the AC voltage according to the ranges defined in the Electrical for PC section in the Specifications page.*

- Never insert anything metallic into the LCD TV openings. Doing so may create the danger of electric shock.
- To avoid electric shock, never touch the inside of the LCD TV. Only a qualified technician should open the LCD TV case.
- Never use your LCD TV if the power cable has been damaged. Do not allow anything to rest on the power cable. Keep the power cable away from where people could trip over it.
- Be sure to grasp the plug, not the cable, when disconnecting the LCD TV from an electric socket.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Openings in the LCD TV cabinet are provided for ventilation. To prevent overheating, these openings should not be blocked or covered. Avoid using the LCD TV on a bed, sofa, rug, or other soft surface, as doing so may block the ventilation openings in the bottom of the cabinet. If you place the LCD TV in a bookcase or an enclosed space, be sure to provide adequate ventilation and air flow.
- Place your LCD TV in a location with low humidity and minimum dust. Avoid places similar to a damp basement or dusty hallway.
- Do not expose the LCD TV to rain or use it near water (in kitchens, next to swimming pools, etc.). If the LCD TV accidentally gets wet, unplug it and contact Dell immediately. You can clean the LCD TV with a damp cloth when necessary, being sure to unplug the LCD TV first.
- Place the LCD TV on a solid surface and treat it carefully. The screen is made of glass and can be damaged if dropped or hit sharply. Use only with a cart, stand, tripod, bracket, or table capable to adequately support your LCD TV. When a cart is used, use caution when moving the cart/ LCD TV combination to avoid injury from tip-over. Contact Dell for mounting accessories.



- Unplug this apparatus during lightning storms or when unused for long periods of time.
  - Locate your LCD TV near an easily accessible electric outlet.
  - If your LCD TV does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact Dell.
  - Do not attempt to remove the back cover, as you will be exposed to an electrical shock hazard. The back cover should only be removed by qualified service personnel.
  - High temperatures can cause problems. Don't use your LCD TV in direct sunlight, and keep it away from heaters, stoves, fireplaces, and other sources of heat.
  - Unplug your LCD TV from the electric outlet before any service is performed.
  - **Damage Requiring Service-** The appliance should be serviced by qualified service personnel when:
    - A. The power supply cord or the plug has been damaged;or
    - B. Objects have fallen, or liquid has been spilled into the appliance;or
    - C. The appliance has been exposed to rain;or
    - D. The appliance does not appear to operate normally or exhibits a marked change in performance;or
    - E. The appliance has been dropped, or the enclosure damaged.
- Tilt/Stability-**All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinets design.

- Do not compromise these design standards by applying excessive pull force to the front, or top of the cabinet which could ultimately overturn the product.
- Do not place electronic equipment/toys on the top of the set. As such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
- **Wall or Ceiling Mounting**-The LCD TV should be mounted to a wall or ceiling only as recommended by the manufacturer.
- **Power Lines**-An outdoor antenna should be located away from power lines.
- **Outdoor Antenna Grounding**-If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code. ANSI/NFPA No.70-1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to and antenna-discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure below.
- Refer to limited warranty section of your user guide for service of your LCD TV. Servicing is required when the LCD TV has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into LCD TV the LCD TV has been exposed to rain or moisture, does not operate normally, or has been dropped.



**Note to the CATV system installer:** This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system for the building, as close to the point of cable entry as practical.

# Introduction: Dell™ W1700 LCD TV User's Guide

[Overview](#) • [Graphics](#)

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## Overview

Thank you for purchasing the Dell W1700 17-inch wide LCD TV. Utilizing an Active Matrix TFT LCD, the Dell LCD TV display sharp and brilliant images of text and graphics with a maximum resolution up to 1280 x 768 pixels. This Dell LCD TV was designed to accommodate a wide variety of uses from a TV entertainment system with capabilities to display TV broadcast standards and HDTV formats to a performance PC Monitor for use in the home, small office, or large corporate environment. This LCD TV can be used as a stand alone TV, or as a dual function TV/Monitor with complete TV and PC system capabilities including word processing, e-mail, spreadsheets, and Internet browsing.

For more details see [Specifications](#) Section.

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## Graphics

The following links show various views of the LCD TV and its components.

[Front View](#)

[Back View](#)

[Side View](#)

[Bottom View](#)

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# Setup: Dell™ W1700 LCD TV User's Guide

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[LCD TV Height Adjustable Stand \(HAS\)](#)

[Connection to your LCD TV](#)

[Proper location of your LCD TV](#)

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# Using the LCD TV: Dell™ W1700 LCD TV User's Guide

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# Troubleshooting: Dell™ W1700 LCD TV User's Guide

[Troubleshooting PC Display Problems](#) • [OSD warning message](#) • [Common Problems](#) • [TV and Audio Problems](#) • [Remote Control Problems](#) • [Product Specific Problems](#)

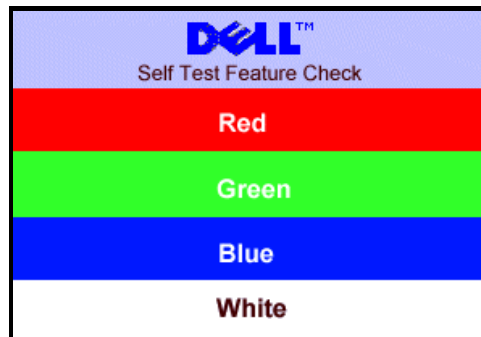
## Troubleshooting PC Display Problems

### Self-Test Feature Check (STFC)

Your LCD TV when used as a computer display through DVI and/or VGA connection provides a self-test feature that allows you to check whether your LCD TV is functioning properly. If your LCD TV and computer are properly connected but the LCD TV screen remains dark, run the LCD TV self-test by performing the following steps:

1. Turn off both your computer and the LCD TV.
2. Unplug the video cable from the back of the computer. To ensure proper Self-Test operation, remove both Digital(white connector) and the Analog(blue connector) cables from the back of computer.
3. Turn on the LCD TV.

The floating 'Dell - self-test Feature Check' dialog box should appear on-screen (against a black background) if the LCD TV cannot sense a video signal and is working correctly. While in self-test mode, the power LED remains green and the self-test pattern will scroll through the screen continually.



This box also appears during normal system operation if the video cable becomes disconnected or damaged.

4. Turn off your LCD TV and reconnect the video cable; then turn on both your computer and the LCD TV. If your LCD TV screen remains blank after you use the previous procedure, check your video controller and computer system; your LCD TV is functioning properly.

### OSD Warning Messages

A warning message may appear on the screen indicating LCD TV current status.

<p><b>ATTENTION</b></p> <p>AUTO ADJUSTMENT IN PROCESS</p>	<p>When user see this warning message, it means that the LCD TV is in adjustment process.</p>
<p><b>ATTENTION</b></p> <p>CANNOT DISPLAY THIS VIDEO MODE, CHANGE COMPUTER DISPLAY INPUT TO 1280X768@60Hz</p>	<p>A warning message may appear on the screen indicating that the LCD TV is out of sync range.</p> <p>See Specifications for the Horizontal and Vertical frequency ranges addressable by this LCD TV. Recommended mode is 1280x 768 @ 60Hz.</p>
<p><b>ATTENTION</b></p> <p>NO VIDEO INPUT SIGNAL</p>	<p>This message means that there is no video input signal.</p>



**ATTENTION**

IN POWER SAVING MODE  
PRESS ANY KEY ON KEYBOARD  
OR MOVE MOUSE

LCD TV is in a power save mode (in PC mode).





The main OSD menu is unlocked.




The main OSD menu is locked.

## Common Problems

The following table contains general information about common LCD TV problems you might encounter.

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
No Video/ Power LED off	No picture, LCD TV is dead	<ul style="list-style-type: none"> <li>• Check connection integrity at both ends of the video cable</li> <li>• Electric outlet verification</li> <li>• Ensure power button depressed fully</li> </ul>
No Video/ Power LED on	No picture or no brightness	<ul style="list-style-type: none"> <li>• Increase brightness &amp; contrast controls</li> <li>• Perform LCD TV self-test feature check</li> <li>• Check for bent or broken pins</li> </ul>
Poor Focus	Picture is fuzzy, blurry or ghosting	<ul style="list-style-type: none"> <li>• Push Auto adjust button</li> <li>• Adjust Phase and Clock controls via OSD</li> <li>• Eliminate video extension cables</li> <li>• Perform LCD TV reset</li> <li>• Lower video resolution or increase font size</li> </ul>
Shaky/Jittery Video	Wavy picture or fine movement	<ul style="list-style-type: none"> <li>• Push Auto Adjust button</li> <li>• Adjust Phase and Clock controls via OSD</li> <li>• Perform LCD TV reset</li> <li>• Check environmental factors</li> <li>• Relocate and test in other room</li> </ul>
Missing Pixels	LCD screen has spots	<ul style="list-style-type: none"> <li>• Cycle power on-off</li> <li>• These are pixels that are permanently off and is a natural defect that occurs in LCD technology</li> </ul>
Stuck-on Pixels	LCD screen has bright spots	<ul style="list-style-type: none"> <li>• Cycle power on-off</li> <li>• These are pixels that are permanently on and is a natural defect that occurs in LCD technology</li> </ul>
Brightness Problems	Picture too dim or too bright	<ul style="list-style-type: none"> <li>• Perform LCD TV reset</li> <li>• Push Auto Adjust button</li> <li>• Adjust brightness &amp; contrast controls</li> </ul> <p> <i>Note: When operating in DVI mode, the contrast adjustment is not available.</i></p>
Geometric Distortion	Screen not centered correctly	<ul style="list-style-type: none"> <li>• Perform LCD TV reset on "Position Settings Only"</li> <li>• Push auto-adjust button</li> <li>• Adjust the centering controls</li> <li>• Ensure LCD TV is in proper video mode</li> </ul> <p> <i>Note: When operating in DVI mode, the positioning adjustments are not available.</i></p>
Horizontal/Vertical	Screen has one or more lines	<ul style="list-style-type: none"> <li>• Perform LCD TV reset</li> </ul>

Lines		<ul style="list-style-type: none"> <li>Push Auto Adjust button</li> <li>Adjust Phase and Clock controls via OSD</li> <li>Perform LCD TV self-test feature check and determine if these lines are also in self-test mode</li> <li>Check for bent or broken pins</li> </ul>  <i>Note: When operating in DVI mode, the Pixel Clock and Phase adjustments are not available.</i>
Sync Problems	Screen is scrambled or appears torn	<ul style="list-style-type: none"> <li>Perform LCD TV reset</li> <li>Push Auto Adjust button</li> <li>Adjust Phase and Clock controls via OSD</li> <li>Perform LCD TV self-test feature check to determine if scrambled screen appears in self-test mode</li> <li>Check for bent or broken pins</li> <li>Boot up in the "safe mode"</li> </ul>
LCD Scratched	Screen has scratches or smudges	<ul style="list-style-type: none"> <li>Turn LCD TV off and clean the screen</li> </ul>
Safety Related Issues	Visible signs of smoke or sparks	<ul style="list-style-type: none"> <li>Do not perform any troubleshooting steps</li> <li>LCD TV needs to be replaced</li> </ul>
Intermittent Problems	LCD TV malfunctions on & off	<ul style="list-style-type: none"> <li>Ensure LCD TV is in proper video mode</li> <li>Ensure video cable connection to computer and to the flat panel is secure</li> <li>Perform LCD TV reset</li> <li>Perform LCD TV self-test feature check to determine if the intermittent problem occurs in self-test mode</li> </ul>

## TV and Audio Problems

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
Poor TV signal reception	Abnormal picture seen from the screen	<ul style="list-style-type: none"> <li>The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjusting your pictures: see 'fine tuning' or adjust the direction of the outside aerial.</li> <li>For Asia users in non-NTSC area: Does your antenna enable you to receive broadcasts in this frequency range (UHF or VHF band)? In the event of difficult reception (snowy pictures) switch the NR on the PICTURE menu to ON.</li> </ul>
No TV picture	No picture when TV input was selected	<ul style="list-style-type: none"> <li>Have you connected the aerial socket properly? Have you chosen the right system? Poorly connected SCART cables or aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the LCD TV set is moved or turned). Check all connections.</li> </ul>
No sound	No sound output when a program with sound was playing	<ul style="list-style-type: none"> <li>Ensure that the audio cables are firmly connected to both the audio input connectors on your LCD TV and audio output connectors on your PC or Video player.</li> <li>If on certain TV channels you receive a picture but no sound, this means that you do not have the correct TV system. Modify the SYSTEM setting.</li> </ul>

## Video Problems

COMMON SYMPTOMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
No Video	No signal indicator is displayed.	<ul style="list-style-type: none"> <li>Check Video Input Selection <ul style="list-style-type: none"> <li>Composite: Yellow colored RCA jack</li> <li>S-Video: Typically a round 4 pin jack</li> <li>Component: Typically 3 RCA jacks of Green, Red and Blue.</li> </ul> </li> </ul>
Low Quality DVD playback	Picture not crisp and some color distortion	<ul style="list-style-type: none"> <li>Check DVD connection <ul style="list-style-type: none"> <li>Composite gives good picture</li> <li>S-Video gives better picture</li> <li>Component gives best picture</li> </ul> </li> </ul>

No sound	See video but no audio	<ul style="list-style-type: none"> <li>• Check if TV volume is turn off of muted</li> <li>• Connect the audio cable securely</li> <li>• Audio cable is connected incorrectly</li> <li>• Verify that the audio source is selected correctly in the OSD</li> </ul>
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## Remote Control Problems

REMOTE CONTROL PROBLEMS	WHAT YOU EXPERIENCE	POSSIBLE SOLUTIONS
Remote control does not work properly	No response from LCD TV when remote is pressed	<ul style="list-style-type: none"> <li>• Point the remote control directly at the remote sensor on the LCD TV</li> <li>• Replace both batteries with new ones</li> </ul>

## Product Specific Problems

SPECIFIC SYMPTOMS	WHAT YOU SEE	POSSIBLE SOLUTIONS
Screen image is too small	Image is centered on screen, but does not fill entire viewing area	<ul style="list-style-type: none"> <li>• Perform LCD TV reset on "All Settings"</li> </ul>
Cannot adjust the LCD TV with the buttons on the front panel	OSD does not appear on the screen	<ul style="list-style-type: none"> <li>• Turn the LCD TV off and unplug the power cord and then plug back and power on</li> </ul>

# Specifications: Dell™ W1700 LCD TV User's Guide

[General](#) • [Flat Panel](#) • [Resolution](#) • [PC Display Modes](#) • [TV Display Modes](#) • [HDTV Display Modes](#) • [SDTV](#) • [Electrical](#) • [Physical Characteristics](#) • [Environmental](#) • [Power Management Modes](#) • [TV and Video Power Management Modes](#) • [Pin Assignments](#) • [Plug and Play Capability](#)

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## General

Model number                      W1700 LCD TV

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## Flat Panel

### Screen dimensions

Screen type                              Active matrix - TFT LCD

Screen dimensions                      17 inches (17-inch viewable image size)

Preset display area:

    Horizontal                            372.48± 3 mm (14.66 inches ± 0.12 inches)

    Vertical                                223.48± 3 mm (8.80 inches ± 0.12 inches)

Pixel pitch                                0.291 mm

Viewing angle                            +/- 88° (vertical) typ, +/- 88° (horizontal) typ

Luminance output                        450 CD/m<sup>2</sup>(typ)

Contrast ratio                             400 to 1 (typ)

Faceplate coating                        Anti-glare

Backlight                                 CCFL (6)

Panel Weight                              2.2 Kg/ 4.87lbs

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## Resolution

Horizontal scan range                    30 kHz to 61kHz (automatic)

Vertical scan range                        56 Hz to 75 Hz (automatic)

Optimal preset resolution                1280 x 768 at 60 Hz

Highest preset resolution                1280 x 768 at 75 Hz

\* Highest addressable resolution        1280 x 768 at 60 Hz

\* Addressable means the LCD TV will sync up to this mode.  
However, Dell does not guarantee the image will be sized, shaped and centered correctly.

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## PC Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/Vertical)
VGA, 720x 400	31.469	70.087	28.3	-/+
VGA, 640x 480	31.469	59.940	25.2	-/-
VESA, 640 x 480	37.500	75.000	31.5	-/-
VESA, 800 x 600	37.879	60.317	49.5	+/+
VESA, 800 x 600	46.875	75.000	49.5	+/+
VESA, 1024 x 768	48.363	60.004	65.0	-/-
VESA, 1024 x 768	60.023	75.029	78.8	+/+
VESA, 1280 x 768	47.700	60.000	79.5	-/+
VESA, 1280 x 768	60.150	75.000	102.2	-/+

## TV Display Modes

### Americas model

Band Assignment	AIR CH		CATV CH	
	CH	Video Carrier (MHz)	CH	Video Carrier (MHz) STD
VHF LOW	02-06	55.25-83.25	02-15	55.25-127.25
VHF HIGH	07-13	175.25-211.25	16-44	133.25-343.25
UHF	14-69	471.25-801.25	45-125	349.25-799.25

## HDTV Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Scan
1920 X 1080i	33.75	60	74.25	Interlace
1280 X 720P	45	60	74.25	Progressive
1920 X 1080i	28.125	50	74.25	Interlace
1280 X 720P	37.5	50	74.25	Progressive

## SDTV

Characteristics	PAL	NTSCM

Lines per picture	625 frames	525 frames
Field frequency, nominal value	60 fields/s	59.94 fields/s
Nominal video bandwidth	5HMz	4.2 MHz
Norminal line period	64µs	63.5555µs
Line-blanking interval	12±0.3µs	10.9±0.2µs
Interval between time datum (0H) and back edge of line-blanking pulse	10.5µs	9.2 to 10.3 µs
Front porch	1.5±0.3µs	1.27 to 2.22µs
Synchronizing pulse	4.7±0.2µs	4.7±0.1µs
Build-up time of the line blacking pulse	0.3±0.1µs	=/< 0.48µs
Build-up time of the line synchronizing pulse	0.2±0.1µs	=/< 0.25µs
Start of sub-carrier burst	5.6±0.1µs	5.3(4.71 to 5.71)µs
Duration of sub-carrier burst	2.25±0.23 (10±1 cycles)µs	2.23±3.11 (9±1 cycles)µs

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## Electrical for PC

Video input signals	Analog RGB, 0.7 Volts +/-5%, positive polarity at 75 ohm input impedance Digital DVI-D TMDS, 600mV for each differential line, positive polarity at 50 ohm input impedance
Synchronization input signals	Separate horizontal and vertical synchronizations, polarity-free TTL level, Composite
AC input voltage / frequency / current	90 to 264 VAC / 50 or 60 Hz ± 2Hz / Adapter 16V 3.95A output

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## Physical Characteristics

Connector type	15-pin D-subminiature, blue connector; DVI-D, white connector
Signal cable type	Analog: Detachable, D-sub, 15pin, shipped detached to the LCD TV Digital: Detachable, DVI-D, Solid pins, shipped detached from the LCD TV
Dimensions: (without packing)	
Height	290.0 mm (11.41 inches)
Width	544.0 mm (21.41 inches)
Depth	89.5 mm (3.52 inches)
Weight (LCD TV only)	7.0 Kg (15.44 lbs)
Weight (with packaging)	9.5 Kg (20.93 lbs)

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## Environmental

Temperature:

Operating	0°C to 35°C (32°F to 95°F)
Nonoperating	Storage: 0 to 60°C (32°F to 140°F) Shipping: -20 to 60°C(-4°F to 140°F)

Humidity:

Operating	10% to 80% (noncondensing)
Nonoperating	Storage: 5% to 90% (noncondensing) Shipping: 5% to 90%(noncondensing)

Altitude:

Operating	3,657.6m (12,000 ft) max
Nonoperating	12,192 m (40,000 ft) max


Thermal dissipation	170 BTU/hour (typical at PC model) 215 BTU/hour (typical at TV model))
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## Power Management Modes

If you have VESA's DPMS compliance display card or software installed in your PC, the LCD TV can automatically reduce its power consumption when not in use. This is referred to as 'Power Save Mode\*'. If input from keyboard, mouse or other input devices is detected by the computer, the LCD TV will automatically "wake up". The following table shows the power consumption and signaling of this automatic power saving feature:

PC display power management mode

Power Management Definition					
VESA Modes	Video	H-sync	V-sync	Power Used	LED color
ON	Active	Yes	Yes	50 W (typical)	Green
OFF	Blanked	No	No	< 3 W	Amber

 **NOTE:** In Power Saving Mode, Press Any Key on Keyboard or Move Mouse. Activate the computer and 'wake up' the LCD TV to gain access to the [OSD](#).

## TV and Video Power Management Modes

Power management Definition				
Display	Video	Power State	Power Used	LED color
ON	Active	Always On	63 W (typical)	Green


Stand by	Blanked	Off after 30minutes of no signal	< 3W	Amber
Power switch off	Active/Blanked	Off	< 1W	OFF

This monitor is **ENERGY STAR**<sup>®</sup>-compliant as well as TCO '99 power management compatible.



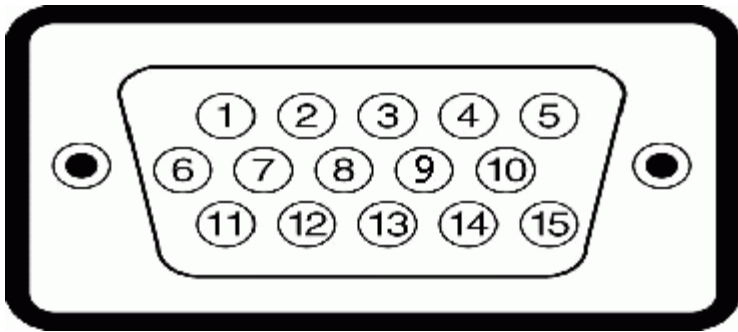
\* Zero power consumption in OFF mode can only be achieved by disconnecting the main cable from the monitor.

**ENERGY STAR**<sup>®</sup> is a U.S. registered mark. As an **ENERGY STAR**<sup>®</sup> Partner, DELL has determined that this product meets the **ENERGY STAR**<sup>®</sup> guidelines for energy efficiency.

 **NOTE:** This LCD TV automatically returns to normal operation when horizontal and vertical sync return, which occurs when you move the computer's mouse or press a key on the keyboard.

## Pin Assignments

### 15-pin D-Sub connector:

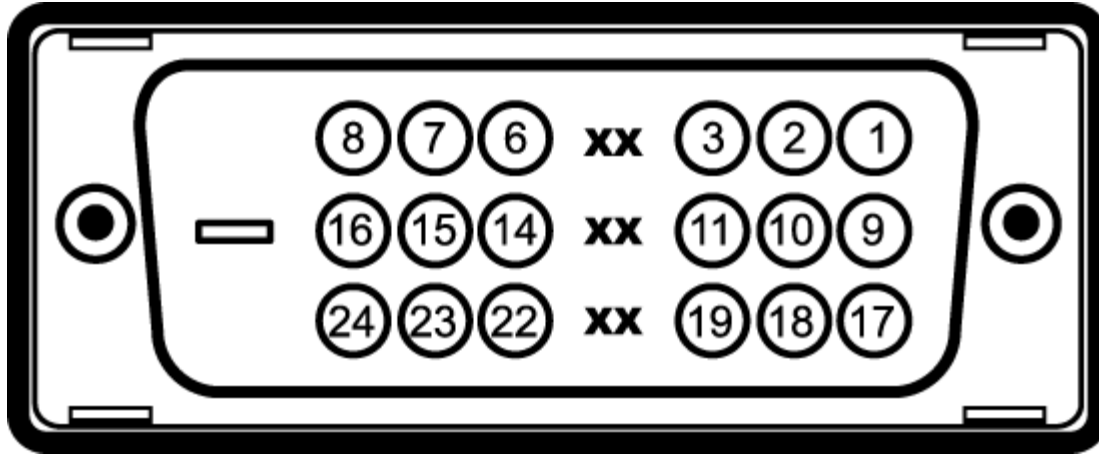


Pin Number	LCD TV Side of the 15-Pin Side Signal Cable
1	Red
2	Green
3	Blue
4	GND
5	Self test
6	Red GND
7	Green GND
8	Blue GND
9	+5V (supply form PC)
10	Sync GND
11	GND
12	Bi-directional data (SDA)



13	H. Sync
14	V. Sync (vclk)
15	Data clock (SCL)

## 24 pin digital-only DVI cable:



Note: Pin 1 is at the top right.

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S. Data 2-	9	T.M.D.S. Data 1-	17	T.M.D.S. Data 0-
2	T.M.D.S. Data 2+	10	T.M.D.S. Data 1+	18	T.M.D.S. Data 0+
3	T.M.D.S. Data 2 Shield	11	T.M.D.S. Data 1 Shield	19	T.M.D.S. Data 0 Shield
4	No Pin	12	No Pin	20	No Pin
5	No Pin	13	No Pin	21	No Pin
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Self test	23	T.M.D.S. Clock +
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock -

## Plug and Play Capability

You can install the LCD TV in any Plug and Play-compatible system. The LCD TV automatically provides the computer system with its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the system can configure itself and optimize the LCD TV settings.

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# Regulatory: Dell™ W1700 LCD TV User's Guide

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## TCO



### **Congratulations!**

You have just purchased a TCO'99 approved and labeled product! Your choice has provided you with a product developed for professional use. Your purchase has also contributed to reducing the burden on the environment and also to the further development of environmentally adapted electronics products.

### **Why do we have environmentally labeled computers?**

In many countries, environmental labeling has become an established method for encouraging the adaptation of goods and services to the environment. The main problem, as far as computers and other electronics equipment are concerned, is that environmentally harmful substances are used both in the products and during their manufacture. Since it is not so far possible to satisfactorily recycle the majority of electronics equipment, most of these potentially damaging substances sooner or later enter nature.

There are also other characteristics of a computer, such as energy consumption levels, that are important from the viewpoints of both the work (internal) and natural (external) environments. Since all methods of electricity generation have a negative effect on the environment (e.g. acidic and climate-influencing emissions, radioactive waste), it is vital to save energy. Electronics equipment in offices is often left running continuously and thereby consumes a lot of energy.

### **What does labeling involve?**

This product meets the requirements for the TCO'99 scheme which provides for international and environmental labeling of personal computers. The labeling scheme was developed as a joint effort by the TCO (The Swedish Confederation of Professional Employees), Svenska Naturskyddsforeningen (The Swedish Society for Nature Conservation) and Statens Energimyndighet (The Swedish National Energy Administration).

Approval requirements cover a wide range of issues: environment, ergonomics, usability, emission of electric and magnetic fields, energy consumption and electrical and fire safety.

The environmental demands impose restrictions on the presence and use of heavy metals, brominated and chlorinated flame retardants, CFCs (freons) and chlorinated solvents, among other things. The product must be prepared for recycling and the manufacturer is obliged to have an environmental policy which must be adhered to in each country where the company implements its operational policy.

The energy requirements include a demand that the computer and/or display, after a certain period of inactivity, shall reduce its power consumption to a lower level in one or more stages. The length of time to reactivate the computer shall be reasonable for the user.

Labeled products must meet strict environmental demands, for example, in respect of the reduction of electric and magnetic fields, physical and visual ergonomics and good usability.

Below you will find a brief summary of the environmental requirements met by this product. The complete environmental criteria document may be ordered from:

### **TCO Development**

SE-114 94 Stockholm, Sweden

Fax: +46 8 782 92 07

Email (Internet): development@tco.se

Current information regarding TCO'99 approved and labeled products may also be obtained via the Internet, using the address: <http://www.tco-info.com/>

## Environmental requirements

### Flame retardants

Flame retardants are present in printed circuit boards, cables, wires, casings and housings. Their purpose is to prevent, or at least to delay the spread of fire. Up to 30% of the plastic in a computer casing can consist of flame retardant substances. Most flame retardants contain bromine or chloride, and those flame retardants are chemically related to another group of environmental toxins, PCBs. Both the flame retardants containing bromine or chloride and the PCBs are suspected of giving rise to severe health effects, including reproductive damage in fish-eating birds and mammals, due to the bio-accumulative\* processes. Flame retardants have been found in human blood and researchers fear that disturbances in foetus development may occur.

The relevant TCO'99 demand requires that plastic components weighing more than 25 grams must not contain flame retardants with organically bound bromine or chlorine. Flame retardants are allowed in the printed circuit boards since no substitutes are available.

### Cadmium\*\*

Cadmium is present in rechargeable batteries and in the colour-generating layers of certain computer displays. Cadmium damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries, the colour-generating layers of display screens and the electrical or electronics components must not contain any cadmium.

### Mercury\*\*

Mercury is sometimes found in batteries, relays and switches. It damages the nervous system and is toxic in high doses. The relevant TCO'99 requirement states that batteries may not contain any mercury. It also demands that mercury is not present in any of the electrical or electronics components associated with the labelled unit. There is however one exception. Mercury is, for the time being, permitted in the back light system of flat panel monitors as there today is no commercially available alternative. TCO aims on removing this exception when a mercury free alternative is available.

### CFCs (freons)

The relevant TCO'99 requirement states that neither CFCs nor HCFCs may be used during the manufacture and assembly of the product. CFCs (freons) are sometimes used for washing printed circuit boards. CFCs break down ozone and thereby damage the ozone layer in the stratosphere, causing increased reception on earth of ultraviolet light with e.g. increased risks of skin cancer (malignant melanoma) as a consequence.

### Lead\*\*

Lead can be found in picture tubes, display screens, solders and capacitors. Lead damages the nervous system and in higher doses, causes lead poisoning. The relevant TCO'99 requirement permits the inclusion of lead since no replacement has yet been developed.

\* *Bio-accumulative is defined as substances which accumulate within living organisms*

\*\* *Lead, Cadmium and Mercury are heavy metals which are Bio-accumulative.*

## Energy Efficiency



The proper operation of the function requires a computer with VESA® DPMS power management capabilities. When used with a computer equipped with VESA® DPMS, the monitor is **ENERGY STAR®**-compliant.

As an **ENERGY STAR®** Partner, Dell Computer Corporation has determined that this product meets the **ENERGY STAR®** guidelines for energy efficiency.

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## Federal Communications Commission (FCC) Notice (U.S. Only)



**CAUTION:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesired operation.

**Instructions to Users:** This equipment complies with the requirements of FCC (Federal Communication Commission) equipment provided that following conditions are met.

1. Power cable: Shielded power cable should be used.
2. Video inputs: The input signal amplitude must not exceed the specified level.



**NOTICE:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## CE Declaration of Conformity

### CE DECLARATION OF CONFORMITY

FOR A CLASS B DIGITAL DEVICE

#### Directives to which conformity is declared

*EMC Directives 89/336/EEC and amending directive 92/31/EEC  
And  
Low Voltage Directive 73/23/EEC*

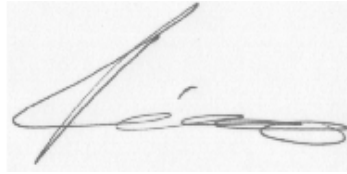
#### Standards to which conformity is declared

*EN60950:2000, EN55022: 1998, EN55024: 1998, EN61000-3-2:1995, EN61000-3-3:1995,  
EN55013:1990+A12+A13+A14, EN55020:1994+A12 and ICE Guide 112: 2000*

Manufacturer's Name:	<u>Philips Electronics Industries (Taiwan) Ltd</u>
Manufacturer's Address:	<u>5, Tze Chiang 1 Rd., Chungli Industrial Park P.O. Box 123 Chungli, Taoyuan, Taiwan</u>
Importer's Address:	<u>Dell Products Europe BV Raheen Industrial Estate, Limerick, Ireland</u>
Type of Equipment:	<u>17" LCD TV Monitor Display</u>
Model Number(s):	<u>W1700</u>
Reference Report Number(s):	<u>TTEMC-E92204</u>
Previous Declared Model:	170T4

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s) and standards.

Place: Chungli



Signature

Date: Sep. 15, 2003

Ronnie Yang

Safety/EMC Manager

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## Canadian Regulatory Information (Canada Only)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Note that Canadian Department of Communications (DOC) regulations provide, that changes or modifications not expressly approved by Dell Computer Corporation could void your authority to operate this equipment.

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

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## EN 55022 Compliance (Czech Republic Only)

This device belongs to category B devices as described in EN 55022, unless it is specifically stated that it is a category A device on the specification label. The following applies to devices in category A of EN 55022 (radius of protection up to 30 meters). The user of the device is obliged to take all steps necessary to remove sources of interference of telecommunication or other devices.

Pokud není na typovém štítku počítače uvedeno, že spadá do třídy A podle EN 55022, spadá automaticky do třídy B podle EN 55022. Pro zařízení zařazená do třídy A (chranné pásmo 30m) podle EN 55022 platí následující. Dojde-li k rušení telekomunikačních nebo jiných zařízení, je uživatel povinen provést taková opatření, aby rušení odstranil.

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## VCCI Class B Notice (Japan Only)

This equipment complies with the limits for a Class B digital device (devices used in or adjacent to a residential environment) and conforms to the standards for information technology equipment that are set by the Voluntary Control Council for Interference for preventing radio frequency interference in residential areas.



Class B ITE

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI) の基準に基づくクラス B 情報技術装置です。この装置は家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをしてください。

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## MIC Notice (Republic of Korea Only)

## Class B Device

기종별	사용자 안내문
B급 기기 (가정용 정보통신기기)	이 기기는 가정용으로 전자파적합등록을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.



1. 기기의 명칭(모델명):
2. 인증번호:(B)
3. 인증받은 자의 상호:
4. 제조년월일:
5. 제조자/제조국가:

Please note that this device has been approved for non-business purposes and may be used in any environment, including residential areas.

## Polish Center for Testing and Certification Notice

The equipment should draw power from a socket with an attached protection circuit (a three-prong socket). All equipment that works together (computer, monitor, printer, and so on) should have the same power supply source.

The phasing conductor of the room's electrical installation should have a reserve short-circuit protection device in the form of a fuse with a nominal value no larger than 16 amperes (A).

To completely switch off the equipment, the power supply cable must be removed from the power supply socket, which should be located near the equipment and easily accessible.

A protection mark "B" confirms that the equipment is in compliance with the protection usage requirements of standards PN-93/T-42107 and PN-89/E-06251.

### Wymagania Polskiego Centrum Badań i Certyfikacji

Urządzenie powinno być zasilane z gniazda z przyłączonym obwodem ochronnym (gniazdo z kolkiem). Współpracujące ze sobą urządzenia (komputer, monitor, drukarka) powinny być zasilane z tego samego źródła.

Instalacja elektryczna pomieszczenia powinna zawierać w przewodzie fazowym rezerwową ochronę przed zwarciami, w postaci bezpiecznika o wartości znamionowej nie większej niż 16A (amperów).

W celu całkowitego wyłączenia urządzenia z sieci zasilania, należy wyjąć wtyczkę kabla zasilającego z gniazdka, które powinno znajdować się w pobliżu urządzenia i być łatwo dostępne.

Znak bezpieczeństwa "B" potwierdza zgodność urządzenia z wymaganiami bezpieczeństwa użytkowania zawartymi w PN-93/T-42107 i PN-89/E-06251.

### Pozostałe instrukcje bezpieczeństwa

- Nie należy używać wtyczek adapterowych lub usuwać kolka obwodu ochronnego z wtyczki. Jeżeli konieczne jest użycie przedłużacza to należy użyć przedłużacza 3-żyłowego z prawidłowo połączonym przewodem ochronnym.
- System komputerowy należy zabezpieczyć przed nagłymi, chwilowymi wzrostami lub spadkami napięcia, używając eliminatora przepięć, urządzenia dopasowującego lub bezzakłócenowego źródła zasilania.
- Należy upewnić się, aby nic nie leżało na kablach systemu komputerowego, oraz aby kable nie były umieszczone w miejscu, gdzie można byłoby na nie nadeptywać lub potykać się o nie.
- Nie należy rozlewać napojów ani innych płynów na system komputerowy.
- Nie należy wpychać żadnych przedmiotów do otworów systemu komputerowego, gdyż może to spowodować pożar lub porażenie prądem, poprzez zwarcie elementów wewnętrznych.
- System komputerowy powinien znajdować się z dala od grzejników i źródeł ciepła. Ponadto, nie należy blokować otworów wentylacyjnych. Należy unikać kładzenia luźnych papierów pod komputer oraz umieszczania komputera w ciasnym miejscu bez możliwości cyrkulacji powietrza wokół niego.

## NOM Information (Mexico Only)

The following information is provided on the device(s) described in this document in compliance with the requirements of the official Mexican standards (NOM):

Exporter: Dell Computer Corporation  
One Dell Way  
Round Rock, TX 78682

Importer: Dell Computer de México,  
S.A. de C.V. Rio Lerma No. 302 - 4º Piso  
Col. Cuauhtemoc 16500 México, D.F.

Ship to: Dell Computer de México,  
S.A. de C.V. al Cuidado de Kuehne & Nagel  
de México S. de R.I., Avenida Soles No. 55  
Col. Peñon de los Baños, 15520 México, D.F.

Supply voltage: > 90/264 VAC

Frequency: 50/60 Hz

Current consumption: 1.5 A

## Información para NOM (únicamente para México)

La información siguiente se proporciona en el dispositivo o en los dispositivos descritos en este documento, en cumplimiento con los requisitos de la Norma Oficial Mexicana (NOM):

Exporter: Dell Computer Corporation  
One Dell Way  
Round Rock, TX 78682

Importador: Dell Computer de México,  
S.A. de C.V. Rio Lerma No. 302 - 4º Piso  
Col. Cuauhtemoc 16500 México, D.F.

Embarcar a: Dell Computer de México,  
S.A. de C.V. al Cuidado de Kuehne & Nagel  
de México S. de R.I., Avenida Soles No. 55  
Col. Peñon de los Baños, 15520 México, D.F.

Tensión alimentación: 90/264 VAC

Frecuencia: 50/60 Hz

Consumo de corriente: 1.5 A

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## Ergonomics Notice (Germany Only)

Under the requirements of German ergonomics standard EK 1/59-98, EK 1/60-98, graphics or characters:

1. Blue graphics or characters in dark background are not recommended. (This combination may increase eye fatigue due to poor visibility caused by low contrast.)
2. Graphics controller and monitor are recommended to be used in the following conditions:
  - o Vertical frequency : 60 Hz or higher.
  - o Display mode : Dark characters in bright background.

## Ergonomie Hinweis (nur Deutschland)

Um den Anforderungen der deutschen Ergonomie-Norm EK 1/59-98, EK 1/60-98 zu entsprechen.

1. Wird empfohlen, die Grundfarbe Blau nicht auf dunklem Hintergrund zu verwenden (schlechte Erkennbarkeit. Augenbelastung bei zu geringem Zeichenkontrast).
  2. Wird folgende Einstellung des Grafik-Controllers und Monitors empfohlen.
    - o Vertikalfrequenz : 60 Hz oder höher.
    - o Ohne Zellensprung.
- 

## Regulatory Listing

### Safety Certifications:

- UL 1950
- CSA 950
- NOM
- CE Mark—EN60950:2000
- NEMKO
- IEC 950
- TUV GS

**EMC Certifications:**

- FCC Part 15 Class B
- CE Mark—EN55022:1998 Class B, EN61000-3-2:1995, EN61000-3-3:1995, EN55024:1998
- ICES-003
- NEMKO
- VCCI Class B ITE

**Energy Consumption and Ergonomics:**

- ENERGY STAR®
- TUV ERG
- PTB



# Dell Contact Information: Dell™ W1700 LCD TV User's Guide

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[Technical Assistance](#) • [Automated Order-Status Service](#) • [Contacting Dell](#)

## Technical Assistance

If you need help with a technical problem, Dell is ready to assist you.

1 Call technical support from a telephone near or at the LCD TV so that technical support can assist you with any necessary procedures. When calling Dell, use your Express Service Code to help expedite the routing of your call to the proper support personnel. The Express Service Code is located on the LCD TV as shown below.



 *Note: Dell's Express Service Code system may not be available in all countries.*

2 In the U.S., Business customers should call 1-877-459-7298, and Consumer (Home and Home Office) customers should call 1-800-624-9896.

If you are calling from a different country or are in a different Service area, see "Contacting Dell" for your local telephone number.

3 Follow the menu prompts in the automated telephone system to speak with a technical support representative.

## Automated Order-Status Service


To check on the status of any Dell™ products that you have ordered, you can go to [support.dell.com](http://support.dell.com), or you can call the automated order-status service. A recording prompts you for the information needed to locate and report on your order. See "Contacting Dell" for the telephone number to call for your region.

## Contacting Dell

To contact Dell electronically, you can access the following website:

- [www.dell.com](http://www.dell.com)
- [support.dell.com](http://support.dell.com) (technical support)
- [premiersupport.dell.com](http://premiersupport.dell.com) (technical support for educational, government, healthcare, and medium/large business customers, including Premier, Platinum, and Gold customers)

For specific web address for your country, find the appropriate country section in the table below.

 *Note: Toll-free numbers are for use within the country for which they are listed.*

When you need to contact Dell, use the electronic addresses, telephone numbers, and codes provided in the following table. If you need assistance in determining which codes to use, contact a local or an international operator.

Country (City) International Access Code City Code	Department Name or Service Area, Website and E-mail Address	Area Codes, Local Numbers, and Toll-Free Numbers
<b>Belgium (Brussels)</b>	<a href="http://support.euro.dell.com">Website: support.euro.dell.com</a>	
International Access Code: 00	E-mail: <a href="mailto:tech_be@dell.com">tech_be@dell.com</a>	
Country Code: 32	E-mail for French Speaking Customers:	
City Code: 2	<a href="http://support.euro.dell.com/be/fr/emildell/">support.euro.dell.com/be/fr/emildell/</a>	
	Technical Support	02 481 92 88
	Customer Care	02 481 91 19
	Corporate Sales	02 481 91 00
	Fax	02 481 92 99
	Switchboard	02 481 91 00
<b>Canada (North York, Ontario)</b>	<a href="http://www.dell.ca/ostatus">Online Order Status: www.dell.ca/ostatus</a>	
International Access Code: 011	Auto Tech (automated technical support)	toll-free: 1-800-247-9362
	TechFax	toll-free: 1-800-950-1329
	Customer Care (Home Sales/Small Business)	toll-free: 1-800-847-4096
	Customer Care (med./large business, government)	toll-free: 1-800-326-9463
	Technical Support (Home Sales/Small Business)	toll-free: 1-800-847-4096
	Technical Support (med./large bus., government)	toll-free: 1-800-387-5757
	Sales (Home Sales/Small Business)	toll-free: 1-800-387-5752
	Sales (med./large bus., government)	toll-free: 1-800-387-5755
	Spare Parts Sales & Extended Service Sales	1 866 440 3355
<b>Denmark (Copenhagen)</b>	<a href="http://support.euro.dell.com">Website: support.euro.dell.com</a>	
International Access Code: 00	E-mail Support (portable computers):	
Country Code: 45	<a href="mailto:den_nbk_support@dell.com">den_nbk_support@dell.com</a>	
	E-mail Support (desktop computers):	
	<a href="mailto:den_support@dell.com">den_support@dell.com</a>	
	E-mail Support (servers):	
	<a href="mailto:Nordic_server_support@dell.com">Nordic_server_support@dell.com</a>	
	Technical Support	7023 0182

Customer Care (Relational)	7023 0184
Home/Small Business Customer Care	3287 5505
Switchboard (Relational)	3287 1200
Fax Switchboard (Relational)	3287 1201
Switchboard (Home Small Business)	3287 5000
Fax Switchboard (Home/Small Business)	3287 5001

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### Finland (Helsinki)

[Website: support.euro.dell.com](http://support.euro.dell.com)

International Access Code: 990 E-mail: fin\_support@dell.com

Country Code: 358 E-mail Support (servers):

City Code: 9 Nordic\_support@dell.com

Technical Support	09 253 313 60
Technical Support Fax	09 253 313 81
Relational Customer Care	09 253 313 38
Home/Small Business Customer Care	09 693 791 94
Fax	09 253 313 99
Switchboard	09 253 313 00

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### France (Paris) (Montpellier)

[Website: support.euro.dell.com](http://support.euro.dell.com)

International Access Code: 00 E-mail: support.euro.dell.com/fr/fr/emaildell/

Country Code: 33 Home and Small Business

City Codes: (1) (4)

Technical Support	0825 387 270
Customer Care	0825 823 833
Switchboard	0825 004 700
Switchboard (calls from outside of France)	04 99 75 40 00
Sales	0825 004 700
Fax	0825 004 701
Fax (calls from outside of France)	04 99 75 40 01
Corporate	
Technical Support	0825 004 719
Customer Care	0825 338 339
Switchboard	01 55 94 71 00
Sales	01 55 94 71 00
Fax	01 55 94 71 01

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### Germany (Langen)

[Website: support.euro.dell.com](http://support.euro.dell.com)

International Access Code: 00 E-mail: tech\_support\_central\_europe@dell.com

Country Code: 49 Technical Support

City Code: 6103 Home/Small Business Customer Care 0180-5-224400

Global Segment Customer Care 06103 766-9570

Preferred Accounts Customer Care 06103 766-9420

Large Accounts Customer Care 06103 766-9560

Public Accounts Customer Care 06103 766-9555

Switchboard 06103 766-7000

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<b>Greece</b>		
	<a href="http://support.euro.dell.com">Website: support.euro.dell.com</a>	
International Access Code: 00	E-mail: support.euro.dell.com/gr/en/emaildell/	
Country Code: 30	Technical Support	080044149518
	Gold Technical Support	08844140083
	Switchboard	2108129800
	Sales	2108129800
	Fax	2108129812
<hr/>		
<b>India</b>		
	Technical Support	1600 33 8045
	Sales	1600 33 8044
<hr/>		
<b>Ireland (Cherrywood)</b>		
	<a href="http://support.euro.dell.com">Website: support.euro.dell.com</a>	
International Access Code: 16	E-mail: dell_direct_support@dell.com	
Country Code: 353	Ireland Technical Support	1850 543 543
City Code:1	U.K. Technical Support (dial within U.K. only)	0870 908 0800
	Home User Customer Care	01 204 4014
	Small Business Customer Care	01 204 4014
	U.K. Customer Care (dial within U.K. only)	0870 906 0010
	Corporate Customer Care	1850 200 982
	Corporate Customer Care (dial within U.K. only)	0870 907 4499
	Ireland Sales	01 204 4444
	U.K. Sales (dial within U.K. only)	0870 907 4000
	Fax/SalesFax	01 204 0103
	Switchboard	01 204 4444
<hr/>		
<b>Italy (Milan)</b>		
	<a href="http://support.euro.dell.com">Website: support.euro.dell.com</a>	
International Access Code: 00	E-mail: support.euro.dell.com/it/it/emaildell/	
Country Code: 39	Home and Small Business	
City Code: 02	Technical Support	02 577 826 90
	Customer Care	02 696 821 14
	Fax	02 696 821 13
	Switchboard	02 696 821 12
	Corporate	
	Technical Support	02 577 826 90
	Customer Care	02 577 825 55
	Fax	02 575 035 30
	Switchboard	02 577 821
<hr/>		
<b>Japan (Kawasaki)</b>		
	<a href="http://support.jp.dell.com">Website: support.jp.dell.com</a>	
International Access Code: 001	Technical Support (servers)	toll-free: 012-198-498
Country Code: 81	Technical Support outside of Japan (servers)	81-44-556-4162
City Code:44	Technical Support (Dimension™ and Inspiron™)	toll-free: 012-198-226
	Technical Support outside of Japan (Dimension and Inspiron)	81-44-520-1435

Technical Support (Dell Precision™, OptiPlex™, and Latitude™)	toll-free: 0120-198-433
Technical Support outside of Japan (Dell Precision, OptiPlex, and Latitude)	81-44-556-3894
Faxbox Service	044-556-3490
Customer Care	044-556-4240
Business Sales Division (up to 400 employees)	044-556-1465
Preferred Accounts Division Sales (over 400 employees)	044-556-3433
Large Corporate Accounts Sales (over 3500 employees)	044-556-3430
Public Sales (government agencies, educational institutions, and medical institutions)	044-556-1469
Individual User	044-556-1760
Switchboard	044-556-4300

<b>Latin America</b>	Customer Technical Support (Austin, Texas, U.S.A.)	512 725-5007
	Customer Service (Austin, Texas, U.S.A.)	512 725-5102
	Fax (Technical Support and Customer Service)	512 728-3883
	Sales (Austin, Texas, U.S.A.)	512 725-5007
	SalesFax (Austin, Texas, U.S.A.)	512 728-4600 or 512 728-3772

<b>Luxembourg</b>	<a href="http://support.euro.dell.com">Website: support.euro.dell.com</a>	
International Access Code: 00	E-mail: tech_be@dell.com	
Country Code: 352	Technical Support (Brussels, Belgium)	3420808075
	Home/Small Business Sales (Brussels, Belgium)	toll-free: 080016884
	Corporate Sales (Brussels, Belgium)	02 481 91 00
	Customer Care (Brussels, Belgium)	02 481 91 19
	Fax (Brussels, Belgium)	02 481 92 99
	Switchboard (Brussels, Belgium)	02 481 91 00

<b>Mexico</b>	Customer Technical Support	001-877-384-8979 or 001-877-269-3383	
	International Access Code: 00	Sales	50-81-8800 or 01-800-888-3355
	Country Code: 52	Customer Service	001-877-384-8979 or 001-877-269-3383
	Main	50-81-8800 or 01-800-888-3355	

<b>Netherlands (Amsterdam)</b>	<a href="http://support.euro.dell.com">Website: support.euro.dell.com</a>	
International Access Code: 00	E-mail (Technical Support):	
Country Code: 31	(Enterprise): nl_server_support@dell.com	
City Code: 20	(Latitude): nl_latitude_support@dell.com	
	(Inspiron): nl_inspiron_support@dell.com	
	(Dimension): nl_dimension_support@dell.com	
	(OptiPlex): nl_optiplex_support@dell.com	
	(Dell Precision): nl_workstation_support@dell.com	

Technical Support	020 674 45 00
Technical Support Fax	020 674 47 66
Home/Small Business Customer Care	020 674 42 00
Relational Customer Care	020 674 4325
Home/Small Business Sales	020 674 55 00
Relational Sales	020 674 50 00
Home/Small Business Sales Fax	020 674 47 75
Relational Sales Fax	020 674 47 50
Switchboard	020 674 50 00
Switchboard Fax	020 674 47 50

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**Norway (Lysaker)**

[Website: support.euro.dell.com](http://support.euro.dell.com)

International Access Code: 00	E-mail Support (portable computers):	
Country Code: 47	nor_nbk_support@dell.com	
	E-mail Support (desktop computers):	
	nor_support@dell.com	
	E-mail Support (servers):	
	nordic_server_support@dell.com	
	Technical Support	671 16882
	Relational Customer Care	671 17514
	Home/Small Business Customer Care	23162298
	Switchboard	671 16800
	Fax Switchboard	671 16865

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**Poland (Warsaw)**

[Website: support.euro.dell.com](http://support.euro.dell.com)

International Access Code: 011	E-mail: pl_support@dell.com	
Country Code: 48	Customer Service Phone	57 95 700
City Code: 22	Customer Care	57 95 999
	Sales	5795999
	Customer Service Fax	57 95 806
	Reception Desk Fax	57 95 998
	Switchboard	57 95 999

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**Portugal**

[Website: support.euro.dell.com](http://support.euro.dell.com)

International Access Code: 00	E-mail: support.euro.dell.com/pt/en/emailldell/	
Country Code: 351	Technical Support	707200149
	Customer Care	800 300 413
	Sales	800 300 410 or 800 300 411 or 800 300 412 or 21 422 07 10
	Fax	21 424 01 12

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**Puerto Rico**

General Support	1-800-805-7545
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**Singapore (Singapore)**

Technical Support	toll-free: 800 6011 051	
International Access Code: 005	Customer Service (Penang, Malaysia)	604 633 4949

Country Code: 65                      Transaction Sales                      toll-free: 800 6011 054  
   Corporate Sales                      toll-free: 800 6011 053

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**Spain (Madrid)**

[Website: support.euro.dell.com](http://support.euro.dell.com)  
International Access Code: 00    E-mail: support.euro.dell.com/es/es/emaildell/  
Country Code: 34                      Home and Small Business                      902 118 541  
City Code: 91                              Technical Support                              902 100 130  
   Customer Care                                  902 118 540  
   Sales    902 118 541  
   Switchboard                                  902 118 541  
   Fax    902 118 539  
   Corporate  
   Technical Support                              902 100 130  
   Customer Care                                  902 118 546  
   Switchboard                                  91 722 92 00  
   Fax    91 722 95 83

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**Sweden (Upplands Vasby)**

[Website: support.euro.dell.com](http://support.euro.dell.com)  
International Access Code: 00    E-mail: swe\_support@dell.com  
Country Code: 46                      E-mail Support for Latitude and Inspiron:  
City Code: 8                              Swe-nbk\_kats@dell.com  
   E-mail Support for OptiPlex: Swe\_kats@dell.com  
   E-mail Support for Servers:  
   Nordic\_server\_support@dell.com  
   Technical Support                              08 590 05 199  
   Relational Customer Care                      08 590 05 642  
   Home/Small Business Customer Care              08 587 70 527  
   Employee Purchase Program (EPP) Support      20 140 14 44  
   Fax Technical Support                              08 590 05 594  
   Sales    08 590 05 185

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**Switzerland (Geneva)**

[Website: support.euro.dell.com](http://support.euro.dell.com)  
International Access Code: 00    E-mail: swisstech@dell.com  
Country Code: 41                      E-mail for French-speaking HSB and Corporate  
City Code: 22                              Customers: support.euro.dell.com/ch/fr/emaildell/  
   Technical Support (Home and Small Business)      0844 811 411  
   Technical Support (Corporate)                      0844 822 844  
   Customer Care (Home and Small Business)      0848 802 202  
   Customer Care (Corporate)                      0848 821 721  
   Fax    022 799 01 90  
   Switchboard                                  022 799 01 01

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**U.K. (Bracknell)**

[Website: support.euro.dell.com](http://support.euro.dell.com)  
International Access Code: 00    Customer Care website:

[support.euro.dell.com/uk/en/ECare/Form/Home.asp](http://support.euro.dell.com/uk/en/ECare/Form/Home.asp)

Country Code: 44

E-mail: [dell\\_direct\\_support@dell.com](mailto:dell_direct_support@dell.com)

City Code: 1344

Technical Support (Corporate/Preferred Accounts/PAD [1000+ employees])	0870 908 0500
Technical Support (direct/PAD and general)	0870 908 0800
Global Accounts Customer Care	01344 373 186
Home and Small Business Customer Care	0870 906 0010
Corporate Customer Care	01344 373 185
Preferred Accounts (500–5000 employees) Customer Care	0870 906 0010
Central Government Customer Care	01344 373 193
Local Government & Education Customer Care	01344 373 199
Health Customer Care	01344 373 194
Home and Small Business Sales	0870 907 4000
Corporate/Public Sector Sales	01344 860 456

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**U.S.A. (Austin, Texas)**

Automated Order-Status Service

toll-free: 1-800-433-9014

International Access Code: 011

AutoTech (portable and desktop computers)

toll-free: 1-800-247-9362

Country Code: 1

Consumer (Home and Home Office)

Technical Support

toll-free: 1-800-624-9896

Customer Service

toll-free: 1-800-624-9897

DellNet™ Service and Support

toll-free: 1-877-Dellnet  
(1-877-335-5638)

Employee Purchase Program (EPP) Customers

toll-free: 1-800-695-8133

Financial Services website: [www.dellfinancialservices.com](http://www.dellfinancialservices.com)

Financial Services (lease/loans)

toll-free: 1-877-577-3355

Financial Services (Dell Preferred Accounts [DPA])

toll-free: 1-800-283-2210

Business

Customer Service and Technical Support

toll-free: 1-800-822-8965

Employee Purchase Program (EPP) Customers

toll-free: 1-800-695-8133

Projectors Technical Support

toll-free: 1-877-459-7298

Public (government, education, and healthcare)

Customer Service and Technical Support

toll-free: 1-800-234-1490

Employee Purchase Program (EPP) Customers

toll-free: 1-800-234-1490

Dell Sales

toll-free: 1-800-289-3355  
or toll-free: 1-800-879-3355

Dell Outlet Store (Dell refurbished computers)

toll-free: 1-888-798-7561

Software and Peripherals Sales

toll-free: 1-800-671-3355

Spare Parts Sales

toll-free: 1-800-357-3355

Extended Service and Warranty Sales

toll-free: 1-800-247-4618

Fax

toll-free: 1-800-727-8320

Dell Services for the Deaf, Hard-of-Hearing, or Speech-Impaired

toll-free: 1-877-DELLTTY  
(1-877-335-5889)

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# Limited Warranties

[Limited Warranties for Dell Branded Hardware Products\( U.S.Only\)](#) • ["Total Satisfaction" Return Policy \(U.S. Only\)](#) • [Limited Warranty Terms for Dell-Branded Hardware Products \(Canada Only\)](#) • ["Total Satisfaction" Return Policy \(Canada Only\)](#) • [Dell Software and Peripherals \(Canada Only\)](#) • [1-Year End-User Manufacturer Guarantee \(Latin America and the Caribbean Only\)](#)

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## Limited Warranties and Return Policy

Dell-branded hardware products purchased in the U.S. or Canada come with either a 90-day, 1-year, 2-year, 3-year, or 4-year limited warranty. To determine which warranty came with your hardware product(s), see your packing slip or invoice. The following sections describe the limited warranties and return policy for the U.S., the limited warranties and return policy for Canada, the manufacturer guarantee for Latin America and the Caribbean, and the Intel® Pentium® and Celeron® warranty for the U.S. and Canada.

## Limited Warranties for Dell Branded Hardware Products (U.S. Only)

### What is covered by this limited warranty?

This limited warranty covers defects in materials and workmanship in your—our end-user customer's—Dell-branded hardware products, including Dell-branded peripheral products.

### What is not covered by this limited warranty?

This limited warranty does not cover:

- Software, including the operating system and software added to the Dell-branded hardware products through our factory-integration system, third-party software, or the reloading of software
- Non-Dell-branded and Solution Provider Direct products and accessories
- Problems that result from:
  - External causes such as accident, abuse, misuse, or problems with electrical power
  - Servicing not authorized by Dell
  - Usage that is not in accordance with product instructions
  - Failure to follow the product instructions or failure to perform preventive maintenance
  - Problems caused by using accessories, parts, or components not supplied by Dell
- Products with missing or altered Service Tags or serial numbers
- Products for which Dell has not received payment

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE (OR JURISDICTION TO JURISDICTION). DELL'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPAIR AND REPLACEMENT AS SET FORTH IN THIS WARRANTY STATEMENT. ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN TIME TO THE TERM OF THE LIMITED WARRANTY PERIOD REFLECTED ON YOUR PACKING SLIP OR INVOICE. NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE LIMITED WARRANTY PERIOD HAS EXPIRED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THIS LIMITATION MAY NOT APPLY TO YOU. WE DO NOT ACCEPT LIABILITY BEYOND THE REMEDIES PROVIDED FOR IN THIS LIMITED WARRANTY OR FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, ANY LIABILITY FOR THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES, FOR PRODUCTS NOT BEING AVAILABLE FOR USE, OR FOR LOST DATA OR LOST SOFTWARE. OUR LIABILITY WILL BE NO MORE THAN THE AMOUNT YOU PAID FOR THE PRODUCT THAT IS THE SUBJECT OF A CLAIM. THIS IS THE MAXIMUM AMOUNT FOR WHICH WE ARE RESPONSIBLE.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

### How long does this limited warranty last?

- This limited warranty lasts for the time period indicated on your packing slip or invoice, except for the following Dell-branded hardware:
  - Portable computer batteries carry a 1-year limited warranty.
  - Projector lamps carry a 90-day limited warranty.
  - Memory carries a lifetime limited warranty.
  - Monitors carry the longer of either a 3-year limited warranty or the remainder of the warranty for the Dell computer to which the monitor will be connected.
- Other add-on hardware carries the longer of either a 1-year limited warranty for new parts and a 90-day limited warranty for reconditioned parts or, for both new and reconditioned parts, the remainder of the warranty for the Dell computer on which such parts are installed.

The limited warranty on all Dell-branded products begins on the date of the packing slip or invoice. The warranty period is not extended if we repair or replace a warranted product or any parts. Dell may change the availability of limited warranties, at its discretion, but any changes will not be retroactive.

### What do I do if I need warranty service?

Before the warranty expires, please call us at the relevant number listed in the following table. Please also have your Dell Service Tag or order number available.

Individual Home Consumers :	U.S. Only
Technical Support	1-800-624-9896
Customer Service	1-800-624-9897
Individual Home Consumers who purchased through an Employee Purchase Program:	
Technical Support and Customer Service	1-800-822-8965
Home and Small Business Commercial Customers:	
Technical Support and Customer Service	1-800-456-3355
Medium, Large, or Global Commercial Customers, Healthcare Customers, and Value-Added Resellers (VARs):	
Technical Support and Customer Service	1-800-822-8965
Government and Education Customers:	
Technical Support and Customer Service	1-800-234-1490
Dell-Branded Memory	1-888-363-5150

### What will Dell do?

During the 90 days of the 90-day limited warranty and the first year of all other limited warranties: During the 90 days of the 90-day limited warranty and the first year of all other limited warranties, we will repair any Dell-branded hardware products returned to us that prove to be defective in materials or workmanship. If we are not able to repair the product, we will replace it with a comparable product that is new or refurbished.

When you contact us, we will issue a Return Material Authorization Number for you to include with your return. You must return the products to us in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk if the product is lost or damaged in shipment. We will return the repaired or replacement products to you. We will pay to ship the repaired or replaced products to you if you use an address in Canada. Otherwise, we will ship the product to you freight collect.

If we determine that the problem is not covered under this warranty, we will notify you and inform you of service alternatives that are available to you on a fee basis.

*NOTE: Before you ship the product(s) to us, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). Remove any confidential, proprietary or personal information, removable media, such as floppy*



disks, CDs, or PC Cards. We are not responsible for any of your confidential, proprietary or personal information; lost or corrupted data; or damaged or lost removable media.

During the remaining years following the first year of all limited warranties: We will replace any defective part with new or refurbished parts, if we agree that it needs to be replaced. When you contact us, we will require a valid credit card number at the time you request a replacement part, but we will not charge you for the replacement part as long as you return the original part to us within 30 days after we ship the replacement part to you. If we do not receive the original part within 30 days, we will charge to your credit card the then-current standard price for that part.

We will pay to ship the part to you if you use an address in Canada. Otherwise, we will ship the part freight collect. We will also include a prepaid shipping container with each replacement part for your use in returning the replaced part to us.



**NOTE:** Before you replace parts, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). We are not responsible for lost or corrupted data.

## What if I purchased a service contract?

If your service contract is with Dell, service will be provided to you under the terms of the service contract. Please refer to that contract for details on how to obtain service. Dell's service contracts can be found online at [www.dell.ca](http://www.dell.ca) or by calling Customer Care at 1-800-847-4096. If you purchased through us a service contract with one of our third-party service providers, please refer to that contract (mailed to you with your packing slip or invoice) for details on how to obtain service.

## How will you fix my product?

We use new and refurbished parts made by various manufacturers in performing warranty repairs and in building replacement parts and systems. Refurbished parts and systems are parts or systems that have been returned to Dell, some of which were never used by a customer. All parts and systems are inspected and tested for quality. Replacement parts and systems are covered for the remaining period of the limited warranty for the product you bought. Dell owns all parts removed from repaired products.

## May I transfer the limited warranty?

Limited warranties on systems may be transferred if the current owner transfers ownership of the system and records the transfer with us. The limited warranty on Dell-branded memory may not be transferred. You may record your transfer by going to Dell's website:

- If you are an Individual Home Consumer, go to [www.dell.com/us/en/dhs/topics/sbtopic\\_015\\_ccare.htm](http://www.dell.com/us/en/dhs/topics/sbtopic_015_ccare.htm)  
[www.dell.ca/ca/en/gen/topics/segtopic\\_ccare\\_nav\\_013\\_ccare.htm](http://www.dell.ca/ca/en/gen/topics/segtopic_ccare_nav_013_ccare.htm)
- If you are a Home Office, Small, Medium, Large, or Global Commercial Customer, go to [www.dell.com/us/en/biz/topics/sbtopic\\_ccare\\_nav\\_015\\_ccare.htm](http://www.dell.com/us/en/biz/topics/sbtopic_ccare_nav_015_ccare.htm)
- If you are a Government, Education, or Healthcare Customer, or an Individual Home Consumer who purchased through an Employee Purchase Program, go to [www.dell.com/us/en/pub/topics/sbtopic\\_015\\_ccare.htm](http://www.dell.com/us/en/pub/topics/sbtopic_015_ccare.htm)

If you do not have Internet access, call your customer care representative or call 1-800-624-9897.

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## "Total Satisfaction" Return Policy (U.S. Only)

We value our relationship with you and want to make sure that you're satisfied with your purchases. That's why we offer a "Total Satisfaction" return policy for most products that you—the end-user customer—purchase directly from Dell. Under this policy, you may return to Dell products that you purchased directly from Dell for a credit or a refund of the purchase price paid, less shipping and handling and applicable return fees as follows:

- New Hardware Products and Accessories — All new hardware, accessories, parts, and unopened software still in its sealed package, excluding the products listed below, may be returned within 30 days from the date on the packing slip or invoice. To return applications software or an operating system that has been installed by Dell, you must return the entire computer. A different return policy applies to nondefective products purchased through Dell's Software and Peripherals division by customers of our Small and Medium Business divisions. Those products may be returned within 30 days from the date on the packing slip or invoice, but a fifteen percent (15%) return fee will be deducted from any refund or credit. The "Total Satisfaction" Return Policy and Software and Peripherals division return policy are not available for Dell | EMC storage products, EMC-branded products, Unisys-branded products, PowerVault™ 160T tape libraries, or enterprise software.

- Reconditioned or Refurbished Dell-Branded Hardware Products and Parts — All reconditioned or refurbished Dell-branded server and storage products may be returned within 30 days from the date on the packing slip or invoice. All other reconditioned or refurbished Dell-branded hardware products and parts may be returned within 14 days of the date on the packing slip or invoice.

To return products, e-mail or call Dell customer service to receive a Credit Return Authorization Number within the return policy period applicable to the product you want to return. You must obtain a Credit Return Authorization Number in order to return the product. See "Contacting Dell" or "Getting Help" in your customer documentation (or [www.dell.com/us/en/gen/contact.htm](http://www.dell.com/us/en/gen/contact.htm)) to find the appropriate contact information for obtaining customer assistance.

You must ship the products to Dell within 5 days of the date that Dell issues the Credit Return Authorization Number. You must also return the products to Dell in their original packaging, in as-new condition along with any media, documentation, and all other items that were included in the original shipment, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment.

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## Limited Warranty Terms for Dell-Branded Hardware Products (Canada Only)

### What is covered by this limited warranty?

This limited warranty covers defects in materials and workmanship in your—our end-user customer's—Dell-branded hardware products, including Dell-branded peripheral products.

### What is not covered by this limited warranty?

This limited warranty does not cover:

- Software, including the operating system and software added to the Dell-branded hardware products through our factory-integration system, or the reloading of the software
- Non-Dell branded and Solution Provider Direct products and accessories
- Problems that result from:
  - External causes such as accident, abuse, misuse, or problems with electrical power
  - Servicing not authorized by Dell
  - Usage that is not in accordance with product instructions
  - Failure to follow the product instructions or failure to perform preventive maintenance
  - Problems caused by using accessories, parts, or components not supplied by Dell
- Products with missing or altered Service Tags or serial numbers
- Products for which Dell has not received payment

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM PROVINCE TO PROVINCE. DELL'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN PRODUCT IS LIMITED TO REPAIR AND REPLACEMENT AS SET FORTH IN THIS WARRANTY STATEMENT, FOR THE TERM OF THE WARRANTY PERIOD REFLECTED ON YOUR PACKING SLIP OR INVOICE. EXCEPT FOR THE EXPRESS WARRANTIES CONTAINED IN THIS WARRANTY STATEMENT, DELL DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. SOME PROVINCES DO NOT ALLOW THE EXCLUSION OF CERTAIN IMPLIED WARRANTIES OR CONDITIONS, OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION LASTS. THEREFORE, THE FOREGOING EXCLUSIONS AND LIMITATIONS MAY NOT APPLY TO YOU.

WE DO NOT ACCEPT LIABILITY BEYOND THE REMEDIES PROVIDED FOR IN THIS WARRANTY STATEMENT OR FOR SPECIAL, INDIRECT, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, ANY LIABILITY FOR THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES, FOR PRODUCTS NOT BEING AVAILABLE FOR USE, OR FOR LOST DATA OR LOST SOFTWARE. OUR LIABILITY WILL BE NO MORE THAN THE AMOUNT YOU PAID FOR THE PRODUCT THAT IS THE SUBJECT OF A CLAIM. THIS IS THE MAXIMUM AMOUNT FOR WHICH WE ARE RESPONSIBLE.

SOME PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

### How long does this limited warranty last?

This limited warranty lasts for the time period indicated on your packing slip or invoice, except that the limited warranty on Dell-branded batteries lasts only 1 year and the limited warranty on the lamps for Dell-branded projectors lasts only 90 days. The limited warranty begins on the date of the packing slip or invoice. The warranty period is not extended if we repair or replace a warranted product or any parts. Dell may change the terms and availability of limited warranties, at its discretion, but any changes will not be retroactive (that is, the warranty terms in place at the time of purchase will apply to your purchase).

## What do I do if I need warranty service?

Before the warranty expires, please call us at the relevant number listed in the following table. Please also have your Dell Service Tag or order number available.

Individual Home Consumers; Home Office and Small Business Customers:	Canada Only
Technical Support and Customer Service	1-800-847-4096
Medium, Large, and Global Commercial Customers; Government, Education, and Healthcare Customers; and Value-Added Resellers (VARs):	
Technical Support	1-800-387-5757
Customer Service	1-800-326-9463
Government or Education Customers, or Individual Home Consumers who purchased through an Employee Purchase Program:	
Technical Support	1-800-387-5757
Customer Service	1-800-326-9463 (Extension 8221 for Individual Consumers)
Dell-Branded Memory	1-888-363-5150

## What will Dell do?

During the 90 days of the 90-day limited warranty and the first year of all other limited warranties: During the 90 days of the 90-day limited warranty and the first year of all other limited warranties, we will repair any Dell-branded hardware products returned to us that prove to be defective in materials or workmanship. If we are not able to repair the product, we will replace it with a comparable product that is new or refurbished.

When you contact us, we will issue a Return Material Authorization Number for you to include with your return. You must return the products to us in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk if the product is lost or damaged in shipment. We will return the repaired or replacement products to you. We will pay to ship the repaired or replaced products to you if you use an address in Canada. Otherwise, we will ship the product to you freight collect.

If we determine that the problem is not covered under this warranty, we will notify you and inform you of service alternatives that are available to you on a fee basis.



*NOTE: Before you ship the product(s) to us, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). Remove any confidential, proprietary or personal information, removable media, such as floppy disks, CDs, or PC Cards. We are not responsible for any of your confidential, proprietary or personal information; lost or corrupted data; or damaged or lost removable media.*

During the remaining years following the first year of all limited warranties: We will replace any defective part with new or refurbished parts, if we agree that it needs to be replaced. When you contact us, we will require a valid credit card number at the time you request a replacement part, but we will not charge you for the replacement part as long as you return the original part to us within 30 days after we ship the replacement part to you. If we do not receive the original part within 30 days, we will charge to your credit card

the then-current standard price for that part.

We will pay to ship the part to you if you use an address in Canada. Otherwise, we will ship the part freight collect. We will also include a prepaid shipping container with each replacement part for your use in returning the replaced part to us.



*NOTE: Before you replace parts, make sure to back up the data on the hard drive(s) and any other storage device(s) in the product(s). We are not responsible for lost or corrupted data.*

## What if I purchased a service contract?

If your service contract is with Dell, service will be provided to you under the terms of the service contract. Please refer to that contract for details on how to obtain service. Dell's service contracts can be found online at [www.dell.ca](http://www.dell.ca) or by calling Customer Care at 1-800-847-4096. If you purchased through us a service contract with one of our third-party service providers, please refer to that contract (mailed to you with your packing slip or invoice) for details on how to obtain service.

## How will you fix my product?

We use new and refurbished parts made by various manufacturers in performing warranty repairs and in building replacement parts and systems. Refurbished parts and systems are parts or systems that have been returned to Dell, some of which were never used by a customer. All parts and systems are inspected and tested for quality. Replacement parts and systems are covered for the remaining period of the limited warranty for the product you bought. Dell owns all parts removed from repaired products.

## May I transfer the limited warranty?

Limited warranties on systems may be transferred if the current owner transfers ownership of the system and records the transfer with us. The limited warranty on Dell-branded memory may not be transferred. You may record your transfer by going to Dell's website:

- For Canada-purchased computers (in-country transfers) and to transfer from one customer to another, go to [www.dell.ca/ca/en/gen/topics/segtopic\\_ccare\\_nav\\_013\\_ccare.htm](http://www.dell.ca/ca/en/gen/topics/segtopic_ccare_nav_013_ccare.htm)
- For out-of-country transfers (outside of the original country of purchase), go to [www.dell.com/us/en/biz/topics/sbtopic\\_ccare\\_nav\\_016\\_ccare.htm](http://www.dell.com/us/en/biz/topics/sbtopic_ccare_nav_016_ccare.htm)

If you do not have Internet access, call Dell at 1-800-847-4096 (Home Consumer customers) or 1-800-326-9463 (Corporate Commercial or Government customers).

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## "Total Satisfaction" Return Policy (Canada Only)

If you are an end-user customer who bought new products directly from Dell, you may return them to Dell up to 30 days after you receive them for a refund or credit of the product purchase price. If you are an end-user customer who bought reconditioned or refurbished products from Dell, you may return them to Dell within 14 days after the date on the packing slip or invoice for a refund or credit of the product purchase price. In either case, the refund or credit will not include any shipping and handling charges shown on your packing slip or invoice and will be subject to a fifteen percent (15%) restocking fee, unless otherwise prohibited by law. If you are an organization that bought the products under a written agreement with Dell, the agreement may contain different terms for the return of products than specified by this policy.

To return products, you must call Dell Customer Service at 1-800-847-4096 to receive a Credit Return Authorization Number. To expedite the process of your refund or credit, Dell expects you to return the products to Dell in their original packaging within 5 days of the date that Dell issues the Credit Return Authorization Number. You must also prepay shipping charges and insure the shipment or accept the risk of loss or damage during shipment. You may return software for a refund or credit only if the sealed package containing the floppy disk(s) or CD(s) is unopened. Returned products must be in as-new condition, and all of the manuals, floppy disk(s), CD(s), power cables, and other items included with a product must be returned with it. For customers who want to return, for refund or credit only, either application or operating system software that has been installed by Dell, the whole system must be returned, along with any media and documentation that may have been included in the original shipment.

The "Total Satisfaction" Return Policy does not apply to Dell | EMC storage products. It also does not apply to products purchased through Dell's Software and Peripherals division. For those products, please instead refer to Dell's Software and Peripheral's then-current return policy (see the following section, "Dell Software and Peripherals [Canada Only]").

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# **Dell Software and Peripherals (Canada Only)**

## **Third-Party Software and Peripherals Products**

Similar to other resellers of software and peripherals, Dell does not warrant third-party products. Third-party software and peripheral products are covered by the warranties provided by the original manufacturer or publisher only. Third-party manufacturer warranties vary from product to product. Consult your product documentation for specific warranty information. More information may also be available from the manufacturer or publisher.

While Dell offers a wide selection of software and peripheral products, we do not specifically test or guarantee that all of the products we offer work with any or all of the various models of Dell computers, nor do we test or guarantee all of the products we sell on the hundreds of different brands of computers available today. If you have questions about compatibility, we recommend and encourage you to contact the third-party software and peripheral product manufacturer or publisher directly.

## **Dell-Branded Peripheral Products**

Dell does provide a limited warranty for new Dell-branded peripheral products (products for which Dell is listed as the manufacturer) such as monitors, batteries, memory, docking stations, and projectors. To determine which limited warranty applies to the product you purchased, see the Dell packing slip or invoice and/or the product documentation that accompanied your product. Descriptions of Dell's limited warranties are described in preceding sections.

## **Return Policy**

If you are an end-user customer who bought Dell Software and Peripherals products directly from a Dell company, you may return Dell Software and Peripherals products that are in as-new condition to Dell up to 30 days from the date on the packing slip or invoice for a refund of the product purchase price if already paid. This refund will not include any shipping and handling charges shown on your packing slip or invoice; you are responsible for those.

To return products, you must call Dell Customer Service at 1-800-387-5759 to receive a Credit Return Authorization Number. You must ship the Dell Software and Peripherals products back to Dell in their original manufacturer's packaging (which must be in as-new condition), prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment.

To qualify for refund or replacement, returned products must be in as-new condition, software products must be unopened, and all of the manuals, floppy disk(s), CD(s), power cables, and other items included with a product must be returned with it.

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## **1-Year End-User Manufacturer Guarantee (Latin America and the Caribbean Only)**

### **Guarantee**

Dell Computer Corporation ("Dell") warrants to the end user in accordance with the following provisions that its branded hardware products, purchased by the end user from a Dell company or an authorized Dell distributor in Latin America or the Caribbean, will be free from defects in materials, workmanship, and design affecting normal use, for a period of 1 year from the original purchase date. Products for which proper claims are made will, at Dell's option, be repaired or replaced at Dell's expense. Dell owns all parts removed from repaired products. Dell uses new and reconditioned parts made by various manufacturers in performing repairs and building replacement products.

### **Exclusions**

This Guarantee does not apply to defects resulting from: improper or inadequate installation, use, or maintenance; actions or modifications by unauthorized third parties or the end user; accidental or willful damage; or normal wear and tear.

### **Making a Claim**

Claims must be made in Latin America or the Caribbean by contacting the Dell point of sale within the guarantee period. The end user must always supply proof of purchase, indicating name and address of the seller, date of purchase, model and serial number, name and address of the customer, and details of symptoms and configuration at the time of malfunction, including peripherals and software used. Otherwise, Dell may refuse the guarantee claim. Upon diagnosis of a warranted defect, Dell will make arrangements



and pay for ground freight and insurance to and from Dell's repair/replacement center. The end user must ensure that the defective product is available for collection properly packed in original or equally protective packaging together with the details listed above and the return number provided to the end user by Dell.

## **Limitation and Statutory Rights**

Dell makes no other warranty, guarantee or like statement other than as explicitly stated above, and this Guarantee is given in place of all other guarantees whatsoever, to the fullest extent permitted by law. In the absence of applicable legislation, this Guarantee will be the end user's sole and exclusive remedy against Dell or any of its affiliates, and neither Dell nor any of its affiliates shall be liable for loss of profit or contracts, or any other indirect or consequential loss arising from negligence, breach of contract, or howsoever. This Guarantee does not impair or affect mandatory statutory rights of the end user against and/or any rights resulting from other contracts concluded by the end user with Dell and/or any other seller.

Dell World Trade LP

One Dell Way, Round Rock, TX 78682, USA

Dell Computadores do Brasil Ltda (CNPJ No. 72.381.189/0001-10)

Avenida Industrial Belgraf, 400

92990-000 - Eldorado do Sul – RS - Brasil

Dell Computer de Chile Ltda

Coyancura 2283, Piso 3- Of.302,

Providencia, Santiago - Chile

Dell Computer de Colombia Corporation

Carrera 7 #115-33 Oficina 603

Bogota, Colombia

Dell Computer de Mexico SA de CV

Paseo de la Reforma 2620 - 11° Piso

Col. Lomas Altas

11950 México, D.F.

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# Documentation: Dell™ W1700 LCD TV User's Guide

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**You must right-click the link for a portable document format (PDF) file and save the file to your hard-disk drive. Attempting to link directly to large PDF files causes your system to freeze.**

To save PDF files (files with an extension of **.pdf**) to your hard-disk drive, right-click the document title, click **Save Target As** in Microsoft® Internet Explorer or **Save Link As** in Netscape Navigator, and specify a location on your hard-disk drive.

Right-click only the following link:

["Quick Set-up"\(.pdf\)](#)

To view a PDF file, launch Adobe™ Acrobat Reader. Click **File** —> **Open** and select the PDF file.




*NOTE: PDF files require Adobe Acrobat Reader, which can be downloaded from the [Adobe World Wide Web site](#).*

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# Front View: Dell™ W1700 LCD TV User's Guide

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- |   |   |  |
|---|---|--|
| 1 |  | Power switch On/Off  |
| 2 | Power LED   | Normal operation: Green.<br>Sleeping mode: Amber.  |
| 3 | Menu  | Enable OSD menu (enter key for PC).  |
| 4 | +   | Volume Increase / Selection  |
| 5 | -   | Volume Decrease/ Selection   |
| 6 | ↑   | Next channel / Up  |
| 7 | ↓   | Previous channel / Down  |
| 8 | Input select  | Input source select key; PC Analog, PC Digital, TV Tuner, Composite, S-Video, Component. |
| 9 | IR receiver   | Sense the signal from remote control handset.  |
-

# Back View: Dell™ W1700 LCD TV User's Guide

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- 1 Bass-Port
  - 2 Security cable lock
  - 3 Base release button
  - 4 Cable Clip
  - 5 Lock down button
  - 6 Headphone
  - 7-8 PVR-- Audio Out (TV Tuner)
  - 9 PVR-- Video Out (TV Tuner)
-

# Side View: Dell™ W1700 LCD TV Monitor User's Guide

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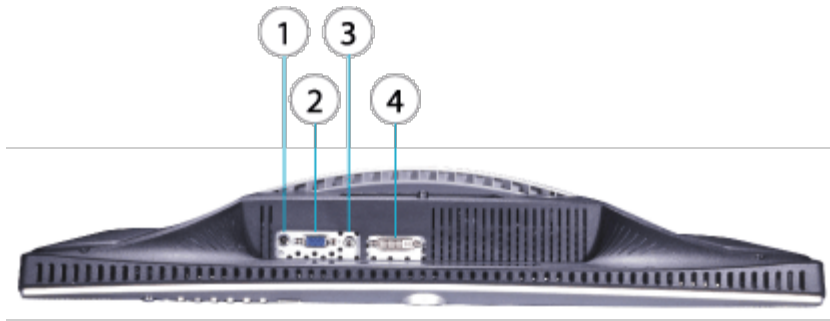


- 1 TV Antenna or Cable In
  - 2 S-Video In  
(paired with composite audio in and video in)
  - 3 Composite Audio In
  - 4 Composite Video In
  - 5 Audio In  
(paired with component video in)
  - 6 Earphone In /Line out
  - 7 Component Video In
  - 8 Base Release Button
-

## Bottom View: Dell™ W1700 LCD TV User's Guide

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### Americas Bottom View



- 1 Power Jack (DC in)
- 2 D-SUB (Analog in)
- 3 PC Audio in
- 4 DVI-D ( Digital in)

# Height-Adjustable Stand (HAS): Dell™ W1700 LCD TV User's Guide

[Attaching HAS](#) • [Cable Management](#) • [Tilt Swivel](#) • [Vertical Adjustment](#) • [Removing HAS](#)

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## Attaching HAS

Lay LCD TV on a flat, soft, and clean surface or use the foam cushion shipped with your LCD TV. Attach stand to LCD TV by aligning tabs on stand to the LCD TV.



## Cable Management

Run all cables through the provided cable sleeve and then run the sleeve (with cables) through the cable clip in the back of HAS.



## Tilt/Swivel

With the attached pedestal, you can tilt and/or swivel the LCD TV for the most comfortable viewing angle.



## Vertical Adjustment

Press the Lock Down button at the bottom of the HAS to make any vertical adjustment. HAS travels vertically.



## Removing HAS

Lay LCD TV on a flat, soft, and clean surface or use the foam cushion shipped with your LCD TV. Press the release button, and pull up the base.








# Attaching the Cables: Dell™ W1700 LCD TV User's Guide

[Connecting Your PC](#) • [Connecting as a TV](#) • [Connecting your DVD/VCD/VCR/CATV Box](#) • [Connecting A/V outputs](#)

## Connecting your PC

 **CAUTION:** Before performing any of the setup procedures listed below, read and follow the safety instructions.

### A. Connection through blue VGA & lime green audio cable

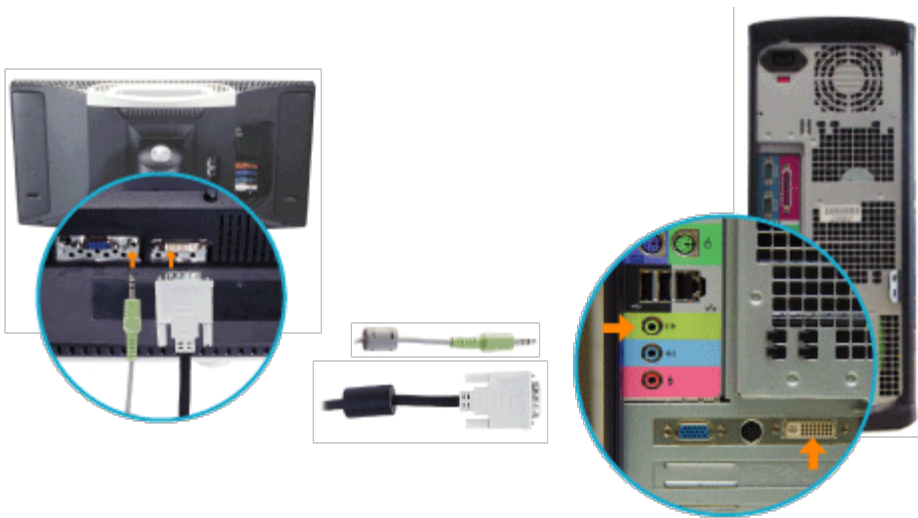
1. Connect one end of the blue VGA cable to the VGA plug on W1700, and connect the other end to the VGA plug on your PC.
2. Connect one end of the lime green audio cable to the audio jack by the D-sub plug on W1700, and connect the other end to the Audio jack on your PC.



OR

### B. Connection through white DVI cable & lime green audio cable

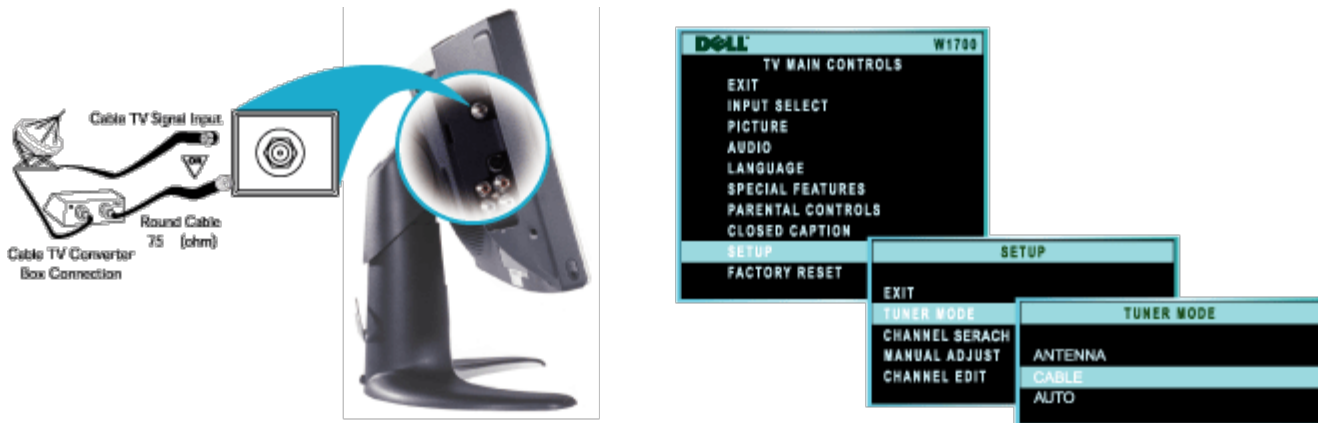
1. Connect one end of the white DVI cable to the DVI plug on W1700, and connect the other end to the DVI plug on your PC.
2. Connect one end of the lime green audio cable to the audio jack by the DVI plug on W1700, and connect the other end to the audio jack on your PC.




## Connecting as a TV

[Cable TV](#) • [Antenna](#) • [TV to VCR](#)

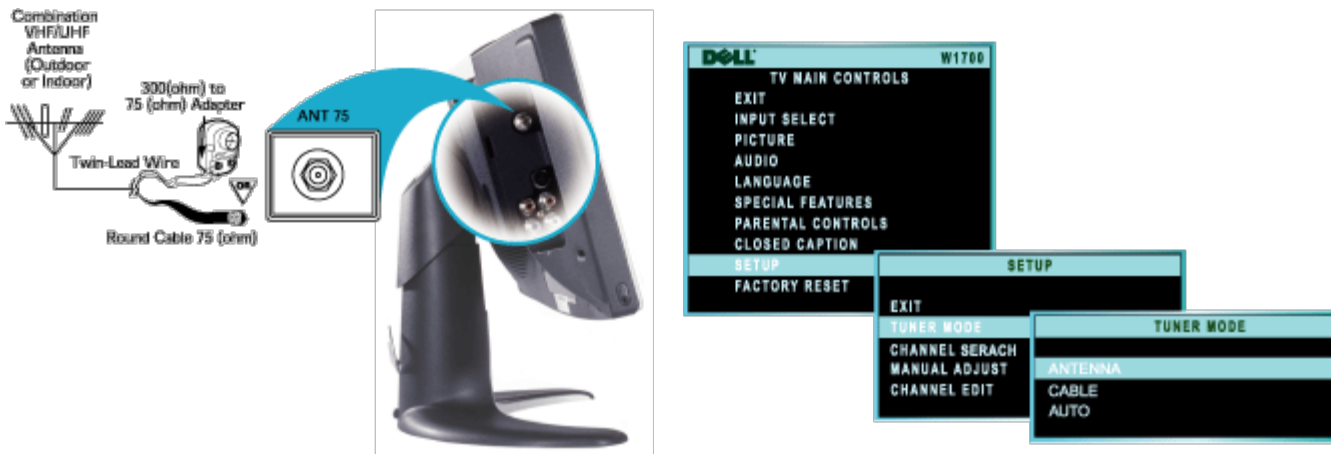
### Cable TV



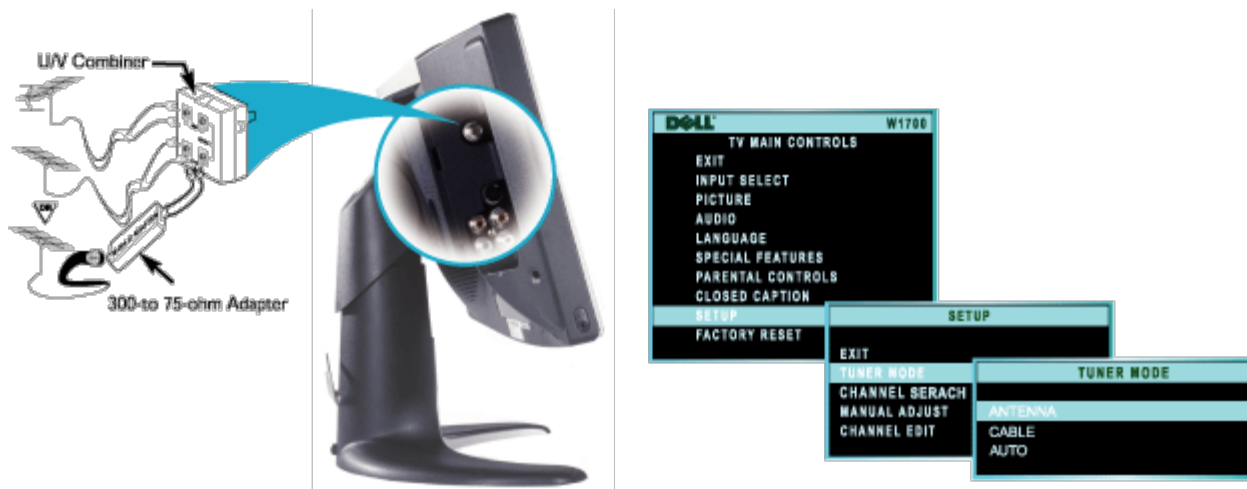
1. If your Cable TV signal is a single, round cable (75 ohm), then you're ready to connect to the TV. Connect the TV cable to the ANTENNA/CABLE plug on the TV.
2. If you have a cable converter box, connect the cable TV signal to the IN (put) plug on the converter, connect the OUT(put) plug from the converter to the 75  $\Omega$  (ohm) plug on the TV.
3. Verify that the On Screen Display (OSD) is set to Cable.


 *Note: The connecting cable for the converter is supplied by the Cable TV company.*

### Antenna



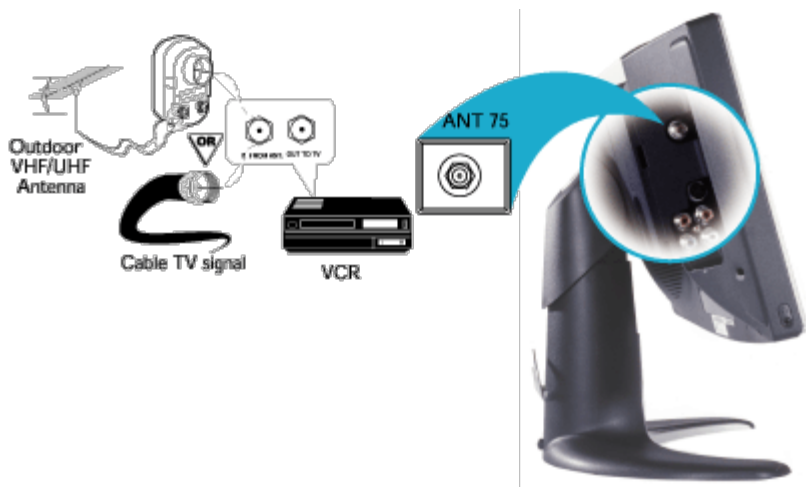
1. If your antenna has a round cable (75 ohm) on the end, then you're ready to connect it to the TV. If your antenna has flat, twin-lead wire (300 ohm), you first need to attach the antenna wires to the screws on a 300 -to 75- ohm adapter.
2. Push the round end of the adapter (or antenna) onto the 75Ω (ohm) plug on the back of the TV. If the round end of the antenna wire is threaded, screw it down finger tight.
3. Verify that the On Screen Display (OSD) is set to Antenna.



 **Note:** If your home has separate UHF and VHF antennas, you will need a combiner to connect to the TV.

## TV to VCR

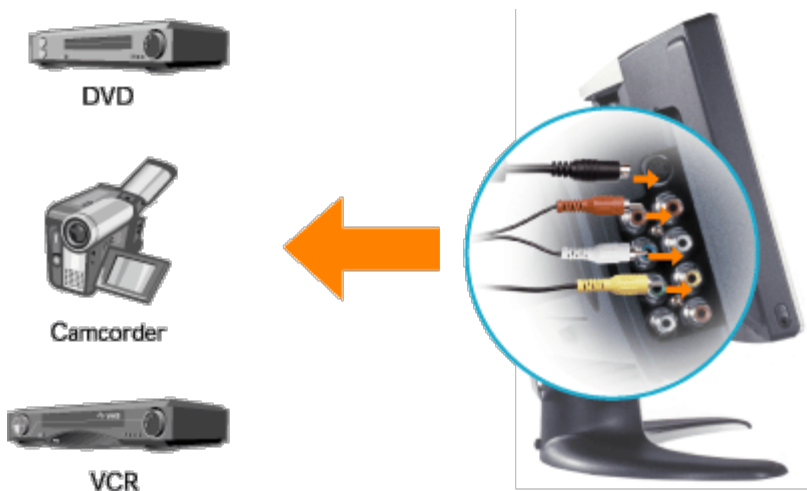
Follow the steps below to connect a basic antenna or Cable TV signal to a VCR, and then the VCR to the TV. For information on other hookups (possible when cable/ descrambler boxes are included), refer to the owner's manuals for the VCR and the cable converter.



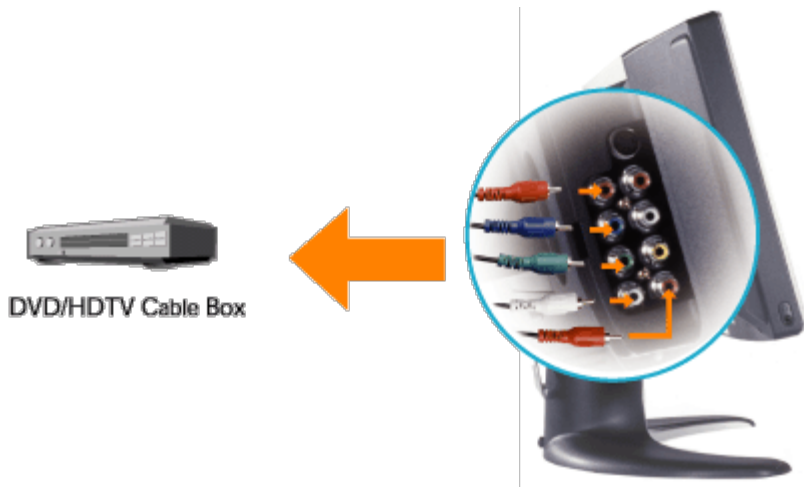
1. Connect your antenna or Cable TV signal to the IN FROM ANT (enna) plug on the VCR.
2. Connect the OUT TO TV plug on the VCR to the 75 ohm plug on the TV (connecting cable supplied with the VCR).
3. Refer to the owner's manual included with your VCR for other possible connections and TV/VCR operating details.

## Connecting to DVD/VCD/VCR/CATV BOX

Connect devices with cables provided. Select Composite or S-Video input from On Screen Display (OSD) Menu. Refer to the Controls and Indicators section in this document for more information on the OSD. S-Video Source generally yields better video performance than composite.



Connect device with cables provided. Select Component input from OSD Menu. For optimal performance use YPbPr for HDTV formats.



## Connecting A/V Outputs

1. The Composite output jacks on W1700 back cover provides the function to record your favorite program through broadcast or cable TV.
2. Connect devices (VCR, Camcorder...) with cables provided. Select TV input from OSD Menu.



# Proper location: Dell™ W1700 LCD TV User's Guide

Consider the following environmental factors when you are deciding how to position the LCD TV:

- Do not store or use the LCD TV in locations exposed to heat, direct sunlight, or extreme cold.
  - Avoid moving the LCD TV between locations with large temperature differences. Please refer to the Specifications section.
  - Do not subject the LCD TV to severe vibration or high impact conditions. Do not place the LCD TV inside a car trunk.
  - Do not store or use the LCD TV in locations exposed to high humidity or dusty environment. Also do not allow water or other liquids to spill on or into the LCD TV.
  - Keep flat panel monitor in room temperature conditions. Excessive cold or hot conditions can have an adverse effect on the liquid crystal of the display.
-

# Maintenance: Dell™ W1700 LCD TV User's Guide



**Caution:** To avoid risk of electric shock, do not disassemble the LCD TV cabinet. Users cannot service the LCD TV. User maintenance is restricted to cleaning.



*NOTE:* Before cleaning the LCD TV, unplug it from the electrical outlet.

- To clean the surface of the panel, lightly dampen a soft, clean cloth with water. Do not use ketone type materials (ex. Acetone) and no chemicals should be used.
  - To clean the LCD TV **cabinet**, use a cloth lightly dampened with a mild detergent.
  - Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
-



# Setting the Optimal Resolution: Dell™ W1700 LCD TV User's Guide

For optimal LCD TV performance while using the Microsoft® Windows® operating systems, set the display resolution to 1280 x 768 pixels by performing the following steps:

1. Click the **Start** button, point to **Settings**, and click **Control Panel**.
2. Double-click the **Display** icon in the **Control Panel** window, and then click the **Settings** tab.
3. In the **Desktop** area, move the sidebar to 1280 by 768 pixels. Then click **OK**.
4. Recommended frequency is 60Hz.



*Note: Please prevent prolonged static video images and use screen savers to avoid degradation to the LCD TV screen*

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## Driver Installation

Use the LCD TV CD to install the appropriate LCD TV driver for your operating system.

[Windows XP](#) · [Windows 2000](#)

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### **Microsoft® Windows® XP Operating System**

To manually install or update the driver, perform the following steps:

1. Insert the LCD TV CD into the CD-ROM drive.
2. Click **Start -->Control Panel -->Appearance & Themes** and then click the **Display** icon.
3. In the **Display Properties** window, click the **Settings** tab, and then click **Advanced**.
4. Click the **Monitor** tab, and then click **Properties -->Driver tab -->Update Driver**.
5. When the **Hardware Update Wizard** dialog box appears, choose "Install the software automatically," and click **Next>** and then **Finish** to complete the installation.
6. Close the **Display Properties** window.

### **Microsoft® Windows® 2000 Operating System**


To manually install or update the driver, perform the following steps:

1. Click **Start -->Settings -->Control Panel** and then double-click **Display**.
  2. In the **Display Properties** window, click the **Settings** tab, and then click **Advanced**.
  3. Click the **Monitor** tab, and then click **Properties -->Driver -->Update Driver**.
  4. When the **Update Device Driver Wizard** dialog box appears, choose "Search for a suitable driver for my device," and click **Next>**.
  5. Insert the LCD TV CD into the CD-ROM drive, type d:\ (change the drive letter to match your CD-ROM drive if it is not drive D) in the **Copy manufacturer's files from:** box, and click **Next>** and then **Finish** to complete the installation.
  6. Close the **Display Properties** window.
-

# Controls and Indicators: Dell™ W1700 LCD TV User's Guide

[Front Panel](#) • [On Screen Display Controls](#) • [Remote Controls](#) • [Setting Optimal Resolution](#)



- |   |   |  |
|---|---|--|
| 1 |  | Power switch On/Off  |
| 2 | Power LED   | Normal operation: Green.<br>Sleeping mode: Amber.  |
| 3 | Menu  | Enable OSD menu  |
| 4 | +   | Volume Increase / Selection  |
| 5 | -   | Volume Decrease/ Selection   |
| 6 | ↑   | Next channel / Up  |
| 7 | ↓   | Previous channel / Down  |
| 8 | Input select  | Input source select key; PC Analog, PC Digital, TV Tuner, Composite, S-Video, Component. |
| 9 | IR receiver   | Sense the signal from remote control handset.  |

## On Screen Display Controls

Below is an overall view of the structure of the On-Screen Display. You can use this as a reference when you want to work your way around the different adjustments later on.

There are three different modes of OSD:



- [PC Mode](#)
- [Composite / Component / S-Video Mode](#)
- [TV Mode](#)



## Americas OSD Guide

### PC Mode

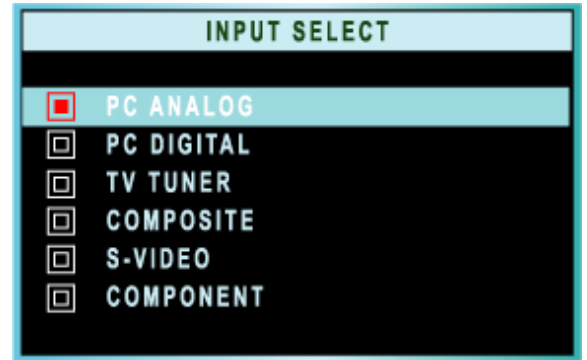


A Main Menu B Sub-Menu name C Menu icon

1. With the menu off, push the MENU button on the remote or in front of the LCD TV to enter OSD system and display the main menu.
2. Push the  and  buttons to move between the function icons. As you move from one icon to another, the selection is highlighted.
3. Push the MENU button once to activate the highlighted function; Push -/+ to select the preferred parameter, push menu to enter the selected bar, then use the - and + buttons making your changes.
4. Push the Menu button to return the main menu or select another function.

Icon	Menu Name and Sub-menus	Description
	EXIT	This is used to exit out of the Main menu
	INPUT SELECT:	Select video source for main display: <ul style="list-style-type: none"> <li>• <b>PC ANALOG:</b> PC VGA input</li> <li>• <b>PC DIGITAL:</b> PC DIGITAL input</li> </ul>

- **TV TUNER:** Antenna or cable TV input
- **COMPOSITE:** Composite video input
- **S-VIDEO:** S-video input
- **COMPONENT:** Component video input



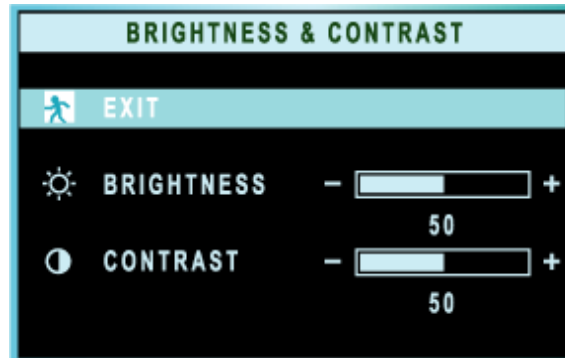
**BRIGHTNESS/  
CONTRAST :**

The Brightness function :

Push the + button to increase luminance;  
push the - button to decrease luminance (min 0 ~ max. 100).

The Contrast function :

Push the + button to increase the contrast;  
push the - button to decrease the contrast (min 0 ~ max. 100).



**AUDIO:**

Select your preferred function.

**EXIT:** Exit this menu

**TREBLE:** Adjustable from 0 to 100

**BASS:** Adjustable from 0 to 100

**BALANCE:** Adjustable from 0 to 100

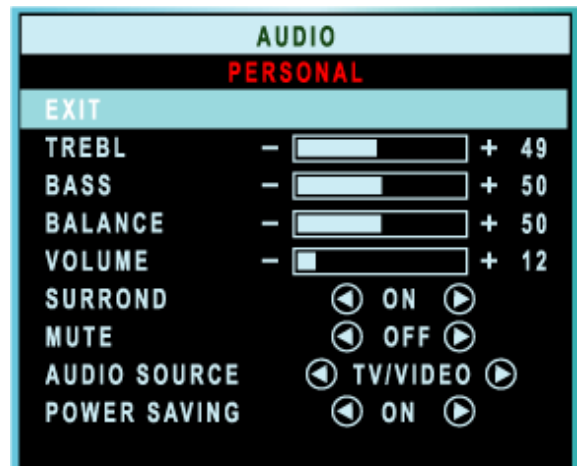
**VOLUME:** Adjustable from 0 to 100

**SURROUND:** ON/OFF

**MUTE:** ON/OFF

**AUDIO SOURCE:** Only in PC/TV/Video mode

**POWER SAVING:** ON/OFF



**SIZE&POSITION:**

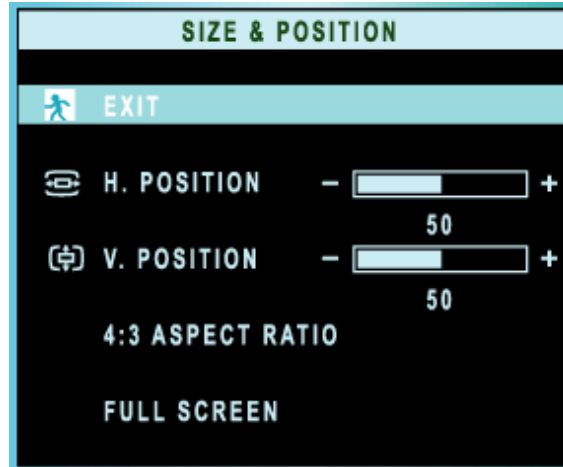
Positioning moves the viewing area around on the monitor screen.

**EXIT:** Exit this menu

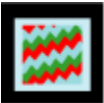
**H.POSITION /V.POSITION:** When making changes to either the 'Horizontal' or 'Vertical' settings, the image will simply be shifted in response to your selection/change. Minimum is '0' (-). Maximum is '100' (+).

**4:3 ASPECT RATIO:** Select 4:3 image display

**FULL SCREEN:** Select full screen (16:9) image display



*Note: When operating 1280\*768 in DVI mode, the positioning adjustments are not available.*

**IMAGING SETTING:**

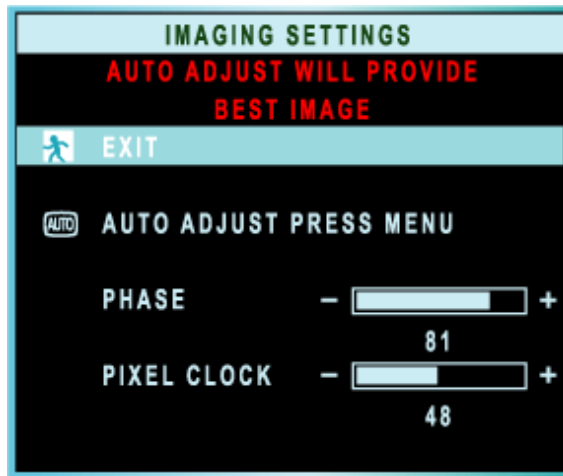
To adjust the image settings.

**EXIT:** Exit this menu

**AUTO ADJUST:** Press to select automatic adjustment .

**PHASE :** Use the - and + buttons to adjust from 0 to 100.

**PIXEL CLOCK:** Use the - and + buttons to adjust from 0 to 100.



*Note: Operating in DVI mode, the Pixel Clock and Phase adjustments are not available.*



**COLOR SETTING:**

Color Settings adjusts the color temperature.

**EXIT:** Exit this menu

**NATURE COLOR:** Equivalent to original panel color.

**NORMAL COLOR:** 6500K (Same as SRGB) default from FACTORY

**BLUE PRESET:** Equivalent to 9300K

**RED PRESET:** Equivalent to 5700K

**USER PRESET:** Adjust red, green, blue three colors from 0 to 100.



**OSD SETTINGS:**

Each time the OSD opens, it displays in the same location on the screen. 'OSD Settings'



(horizontal/vertical) provides control over this location.

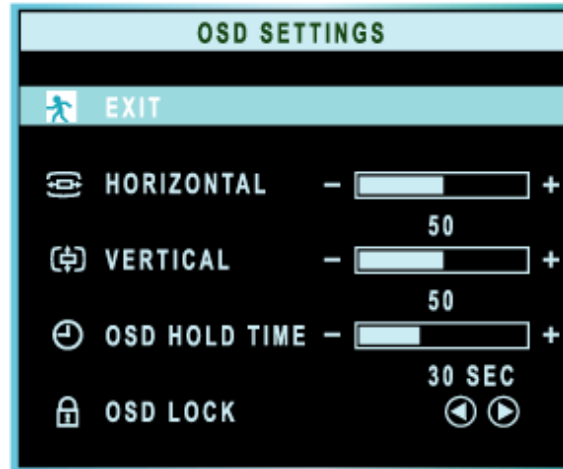
**EXIT:** Exit this menu

**HORIZONTAL:** Adjustable from 0 to 100.

**VERTICAL:** Adjustable from 0 to 100.

**OSD HOLD TIME:** The OSD stays active for as long as it is in use. The range of time setting is from 5 to 60 seconds.

**OSD LOCK:** Controls user access to adjustments. Show key icon after selecting lock.



*Note: When the OSD is locked, pressing the menu button again and it will take user to OSD LOCK menu. Press (+) to unlock and allow user access to all applicable settings.*



**Language:**

Language sets the OSD to display in one of five languages (English, Spanish, French, German, Japanese).



**FACTORY  
RESET:**

Reset the settings to the factory default values.

**EXIT:** Exit this menu

**POSITION SETTINGS ONLY:** Resume position setting to factory default.

**COLOR SETTINGS ONLY:** Resume color setting to factory default.

**All SETTINGS:** Load all factory default settings.



**PICTURE IN PICTURE:**

Adjust picture in picture preferences.

**SIZE:** Turn off and set the size of PIP. Users can chose your preferred size.

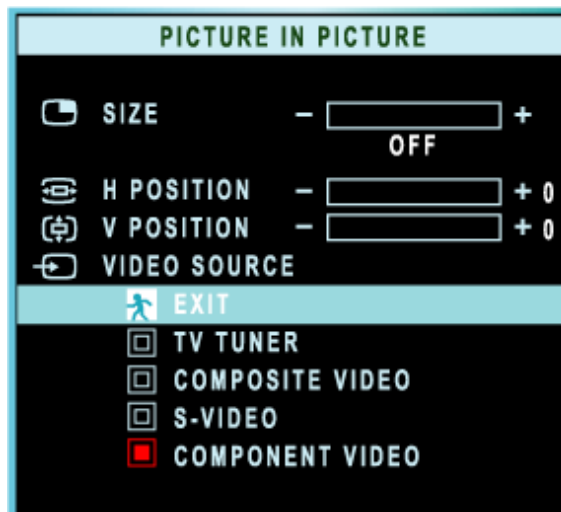
- OFF
- SMALL
- MEDIUM
- LARGE

**H POSITION:** Adjust the Horizontal position of PIP.

**V POSITION:** Adjust the Vertical position of PIP.

**VIDEO SOURCE:** Select video source of PIP:

- EXIT
- TV TUNER
- COMPOSITE VIDEO
- S-VIDEO
- COMPONENT VIDEO





**EXIT**

Exit from this menu

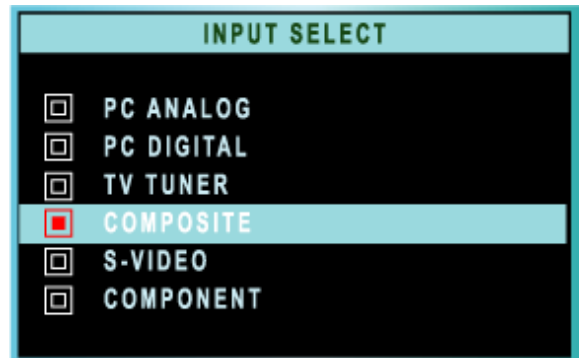


**INPUT SELECT**

Use up and down arrow button to highlight the "INPUT SELECT".

Select video source for main display:

- **PC ANALOG:** PC VGA input
- **PC DIGITAL:** PC DIGITAL input
- **TV TUNER:** Antenna or cable TV input
- **COMPOSITE:** Composite video input
- **S-VIDEO:** S-video input
- **COMPONENT:** Component video input



**PICTURE**

Adjust picture characteristics to suit personal preference.

**EXIT:** Exit from this menu

**BRIGHTNESS:** Adjustable from 0 to 100

**CONTRAST:** Adjustable from 0 to 100

**COLOR:** Adjustable from 0 to 100

**SHARPNESS:** Adjustable from 0 to 100

**TINT:** Not available in component input.  
Adjustable from 0 to 100

**HOR SHIFT:** Only available in component input.  
Adjustable from 0 to 100

**COLOR TEMP:** Select from Normal, Cool or Warm  
by "-" and "+" buttons.





Note: "TINT " is not available in component input. "HOR SHIFT" only function in component input.

## AUDIO

Adjust audio characteristics to suit personal preference.

**EXIT:** Exit from this menu.

**TREBLE:** Adjustable from 0 to 100

**BASS:** Adjustable from 0 to 100

**BALANCE:** Adjustable from 0 to 100

**VOLUME:** Adjustable from 0 to 100

**SURROUND:** Switch Surround Sound On/ Off

**MUTE:** Switch Mute On/ Off



## LANGUAGE

Set language for OSD.

There are five languages of OSD display.

- ENGLISH
- SPANISH
- FRENCH
- GERMAN
- JAPANESE



## SPECIAL FEATURES

Activate special control features:

**EXIT:** Exit from this menu.

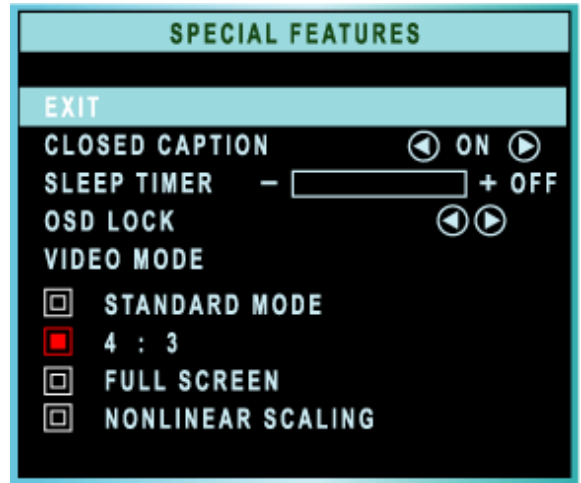
**CLOSED CAPTION:** To turn on or off. (For Composite video only)

**SLEEP TIMER:** Slide bar off .

**OSD LOCK:** Show key icon after selecting lock.

**VIDEO MODE:** Set the screen scaling mode to suit personal preference:

- STANDARD MODE
- 4:3 ASPECT RATIO



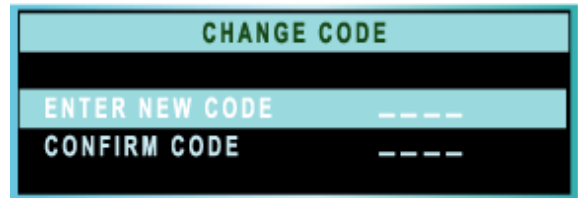
- FULL SCREEN
- NONLINEAR SCALING



Note: "CLOSED CAPTION" is available for composite video only.

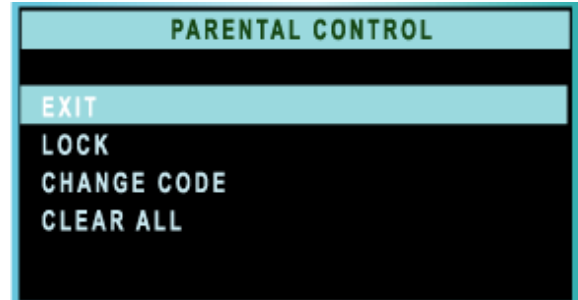
## PARENTAL CONTROL

1) When users first enter the PARENTAL CONTROL, the screen will show the window asking user key in the code.

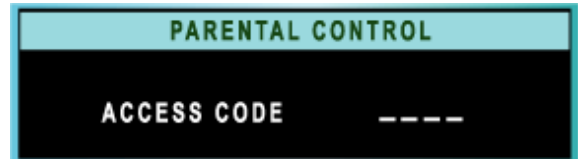


2) Users will see the window "Access code" when they enter this function.

- EXIT
- LOCK
- CHANGE CODE
- CLEAR ALL



3) Enter Master code "3355" (read "DELL" on telephone keypad) twice.



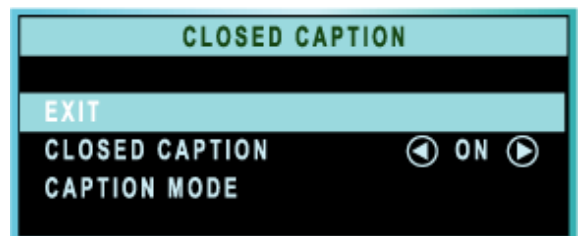
## CLOSED CAPTION

**EXIT:** Exit from this menu.

**CLOSED CAPTION:** ON/ OFF

**CAPTION MODE:**

- CC1
- CC2
- CC3
- CC4
- CC MUTE
- TXT1



- TXT2
- TXT3
- TXT4



Note: "CLOSED CAPTION" is available for composite video only.

**FACTORY RESET**

Reset the setting to default values.

**NO:** Keep the setting as current.

**YES:** Load factory setting



*TV Mode*

**EXIT**

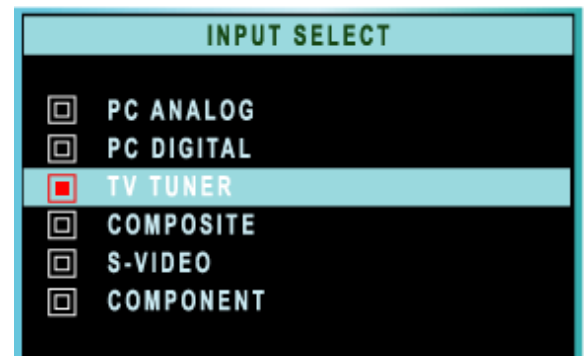
Exit from this menu



**INPUT SELECT**

Select video source for main display:

- **PC ANALOG:** PC VGA input
- **PC DIGITAL:** PC DIGITAL input
- **TV TUNER:** Antenna or cable TV input
- **COMPOSITE:** Composite video input
- **S-VIDEO:** S-video input
- **COMPONENT:** Component video input



**PICTURE**

Adjust picture characteristics to suit personal preference.

**EXIT:** Exit from this menu

**BRIGHTNESS:** Adjustable from 0 to 100

**CONTRAST:** Adjustable from 0 to 100

**COLOR:** Adjustable from 0 to 100

**SHARPNESS:** Adjustable from 0 to 100

**TINT: Not available in component input.**  
Adjustable from 0 to 100

**COLOR TEMP:** Select from Normal, Cool or Warm  
by "-" and "+" buttons.



**AUDIO**

Adjust audio characteristics to suit personal preference.

**EXIT:** Exit from this menu.

**TREBLE:** Adjustable from 0 to 100

**BASS:** Adjustable from 0 to 100

**BALANCE:** Adjustable from 0 to 100

**VOLUME:** Adjustable from 0 to 100

**SURROUND:** Switch Surround Sound On/ Off

**MUTE:** Switch Mute On/ Off



**LANGUAGE**

Set language for OSD.

There are five languages of OSD display.

- ENGLISH
- SPANISH
- FRENCH
- GERMAN
- JAPANESE



**SPECIAL FEATURES**

Activate special control features:

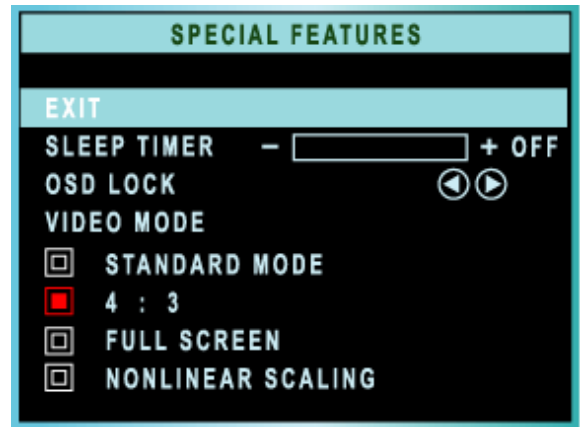
**EXIT:** Exit from this menu.

**SLEEP TIMER:** Slide bar off .

**OSD LOCK:** Show key icon after selecting lock.

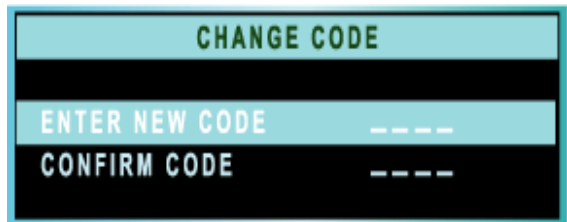
**VIDEO MODE:** Set the screen scaling mode to suit  
personal preference:

- STANDARD MODE
- 4:3 ASPECT RATIO
- FULL SCREEN
- NONLINEAR SCALING



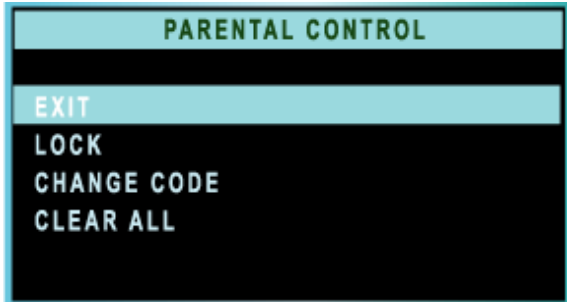
**PARENTAL CONTROL**

1) When users first enter the PARENTAL CONTROL, the screen will show the window asking user key in the code.

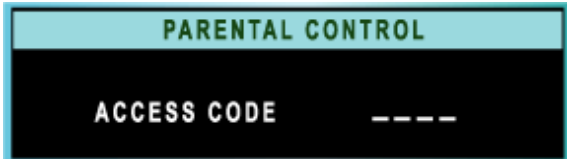


2) Users will see the window " Access code" when they enter this function.

- EXIT
- LOCK
- CHANGE CODE
- CLEAR ALL



3) Enter Master code "3355" (read "DELL" on telephone keypad) twice.



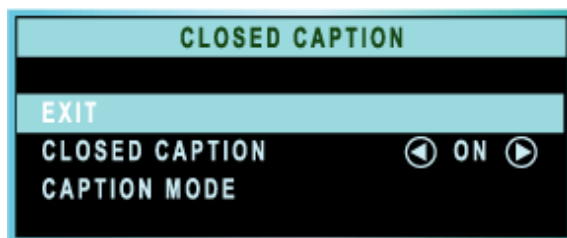
**CLOSED CAPTION**

**EXIT:** Exit from this menu.

**CLOSED CAPTION:** ON/ OFF

**CAPTION MODE:**

- CC1
- CC2
- CC3
- CC4
- CC MUTE
- TXT1
- TXT2



- TXT3
- TXT4

**SETUP**

**EXIT:** Exit from this menu.

**TUNER MODE:**

- ANTENNA
- CABLE
- AUTO

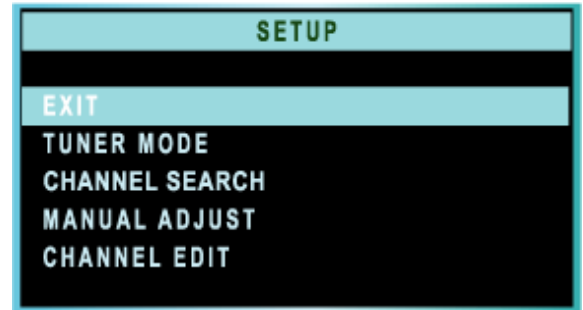
**CHANNEL SEARCH:**

- PLEASE WAIT
- PROG.FOUND
- CHANNEL

**MANUAL ADJUST:** FINETUNE

**CHANNEL EDIT:**

- CHANNEL (UP/DOWN)
- SKIPPED ( - / + BUTTON)



**FACTORY RESET**

Reset the setting to default values.

**NO:** Keep the setting as current.

**YES:** Load factory setting



[RETURN TO TOP OF THE PAGE](#)

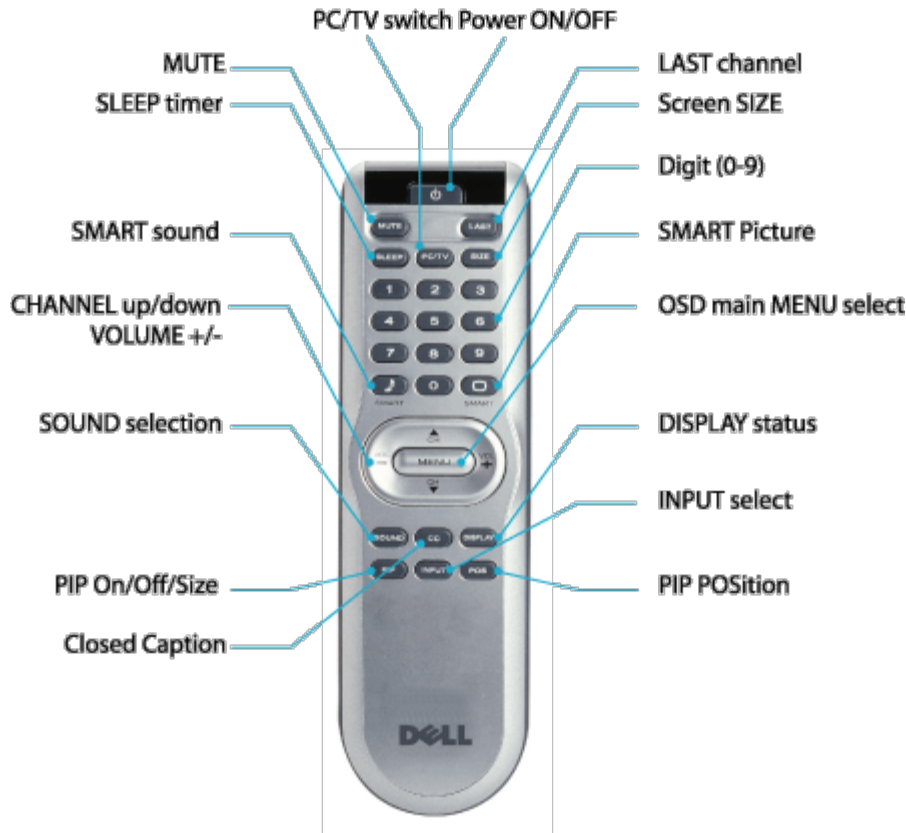
# TV Controls: Dell™ W1700 LCD TV User's Guide

## Using your Remote Control

When Programming universal remotes, please use Philips/Magnavox TV codes.

### Americas

#### Remote Control Diagram



<b>Power On/Off</b>	The remote power button turns the LCD TV ON and OFF.
<b>PIP On/Off and size:</b>	Picture in Picture (PIP): Turns PIP On/Off and select PIP size. PIP can only be displayed with PC (Digital or Analog) as Main input source.
<b>INPUT selection</b>	Change the input selection from PC Digital, PC Analog, Composite, S-video and Component inputs.
<b>PIP POSITION</b>	Changes the PIP Position to four different corners of the display.



<b>Digit 0- 9</b>	Manual entry for direct access to Channel programs for a 2 digit channel number.
<b>SMART sound</b>	Selects excellent preset audio for voice, music, theatre, and personal settings.
<b>SOUND selection</b>	TV sound mode selection, to access MONO, STEREO and SAP.
<b>MUTE</b>	Controls sound to mute sound or restore sound setting.
<b>PC/TV switch</b>	PC/TV function swaps between last PC and Video input viewed.
<b>SMART picture</b>	Selects excellent preset picture controls for multi-media, personal, movies, sports, and weak signal programs.
<b>DISPLAY status</b>	To display the state of video input, aspect ratio, program number, sound selection, timer for 5 second.
<b>CHANNEL up/down</b>	Adjusts the TV channel up/down.
<b>Volume +/-</b>	To increase and decrease volume level.
<b>OSD main MENU select</b>	Displays the main On-Screen Display (OSD) menu.
<b>SLEEP timer</b>	Selects the length of time to automatically turn off the LCD TV (off, 15-180) .
<b>Screen Size</b>	Selects different screen sizes; standard mode, 4:3, full screen, and non-linear scaling.
<b>LAST channel</b>	Selects the previous TV channel viewed.
<b>Closed Caption</b>	Selects Close caption feature. (Japanese model without this button)

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# Setting Up Your Dell LCD TV

Dell™ W1700

Front

- CAUTION:** Before performing any of the procedures listed below, read and follow the safety instructions in your Owner's Manual.
- AVERTISSEMENT :** Avant de suivre l'une des procédures listées ci-dessous, veuillez lire et respecter les consignes de sécurité présentes dans votre Manuel Utilisateur.
- PRECAUCIÓN:** Antes de llevar a cabo cualquiera de los procedimientos listados abajo, lea y siga las siguientes instrucciones de seguridad en su Manual del Usuario.

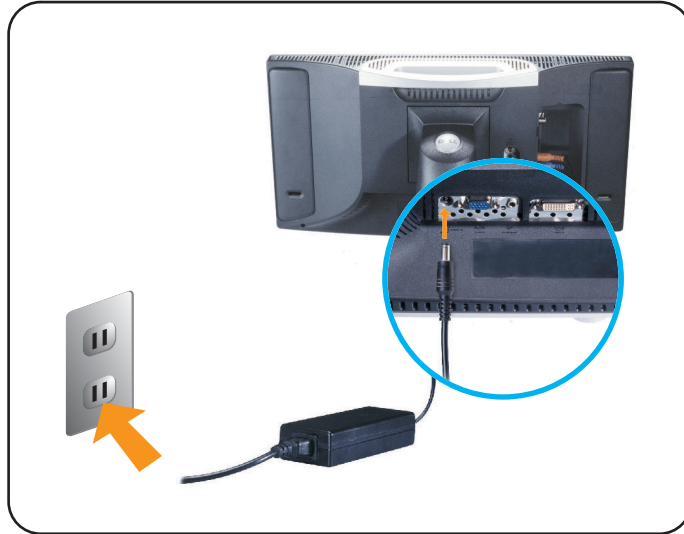
## Setting Up Your LCD TV    Installer Votre TV LCD    Configurar su TV LCD



Lay the display on a flat, soft, and clean surface or use the top foam cushion shipped with your LCD TV. Attach the stand to the LCD by aligning tabs on the stand to the Display.

Allongez le téléviseur LCD sur une surface plane, douce et propre ou utilisez un coussin matelassé livré avec votre TV LCD. Fixez la base à la TV LCD en alignant les fixations de la base avec la TV LCD.

Coloque la pantalla en una superficie plana y equilibrada o use las almohadillas que acompañan a su TV LCD. Coloque el soporte en el LCD alineando las pestañas con la pantalla.



Connect the power cord and the adapter to an electrical outlet.

Connectez le cordon d'alimentation et l'adaptateur à une prise murale.

Conecte el cable de alimentación y el adaptador en un enchufe eléctrico.



Adjust the position of the display to your viewing needs.

Réglez la position du téléviseur LCD pour l'adapter à vos besoins de vision.

Ajuste la posición de la Pantalla a sus necesidades de visión.

## Connecting to Your PC    Connexion à Votre PC    Conexión a su PC

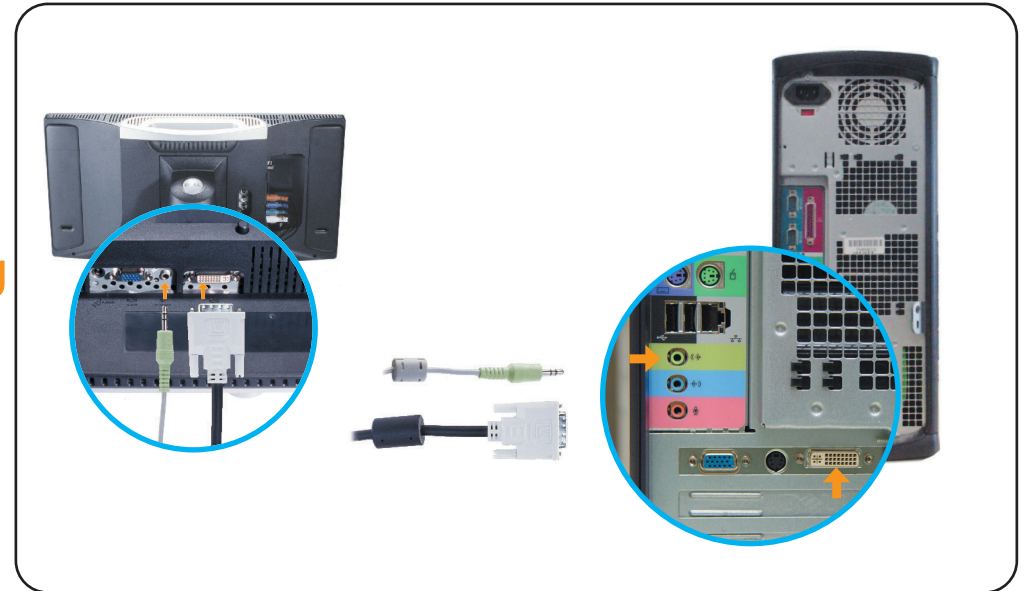


Connect the blue VGA cable and the lime green audio cable to the back of your computer.

Connectez le câble VGA bleu et le câble audio vert à l'arrière de votre ordinateur.

Conecte el cable azul VGA y el cable verde de audio en la parte posterior de su ordenador.

OR  
OU  
O

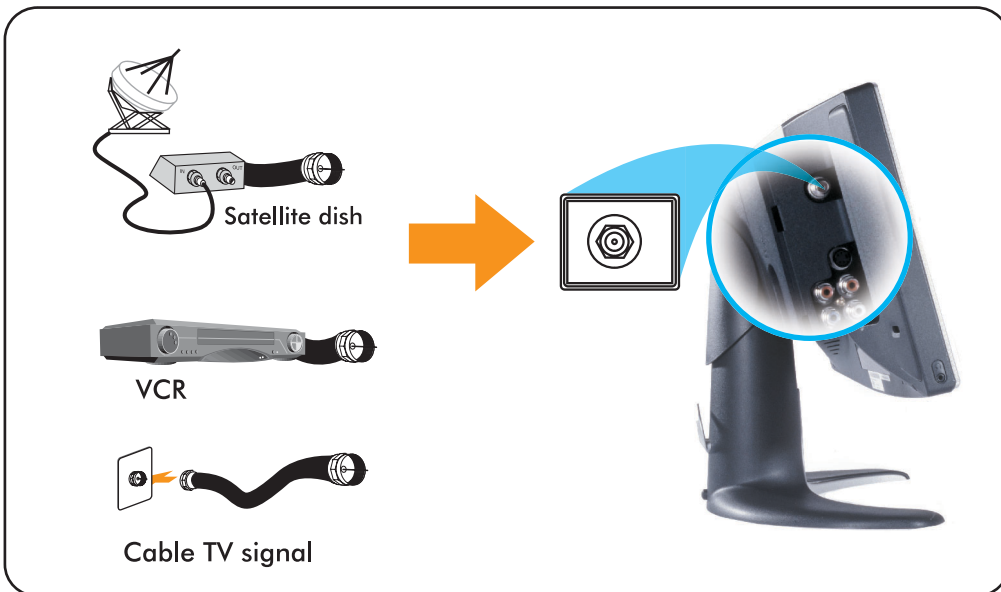


Connect the white DVI cable and the lime green audio cable to the back of your computer.

Connectez le câble DVI blanc et le câble audio vert à l'arrière de votre ordinateur.

Conecte el cable blanco DVI y el cable verde de audio en la parte posterior de su ordenador.

## Connecting as a TV    Connexion à Votre TV    Conexión como TV

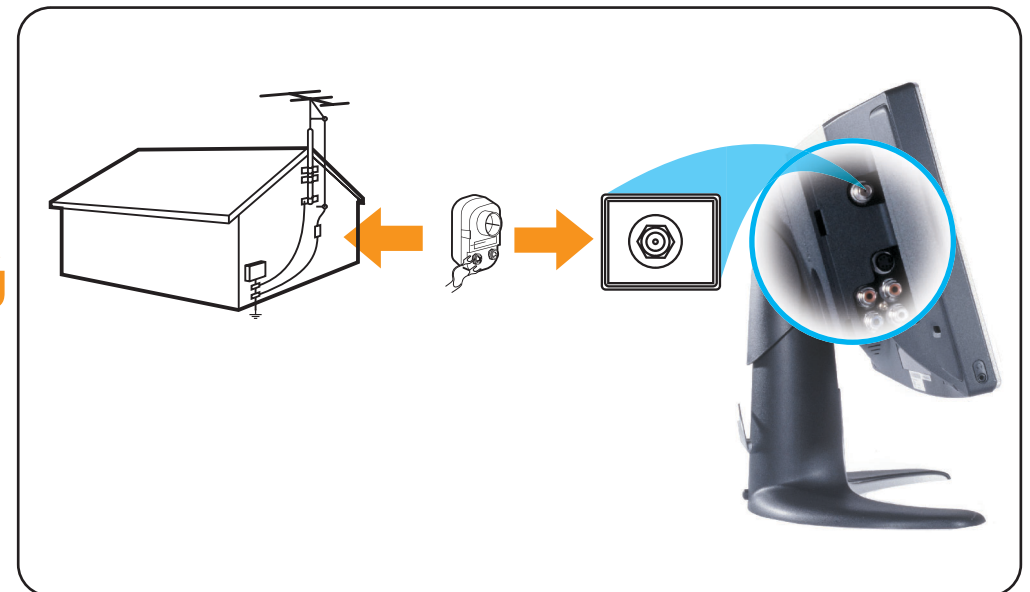


Connect the input cable from your cable box, cable, VCR or satellite dish to the Ant/ Cable input. Select "Cable" from the on-screen display (OSD) setup menu.

Connectez le câble d'entrée de votre boîtier TV câblée, de la TV câblée, du magnétoscope ou de l'antenne parabolique à l'entrée pour Antenne/Câble. Sélectionnez "Câble" dans le menu de réglage de l'affichage à l'écran (OSD).

Conecte el cable de entrada de la fuente a la entrada Ant/Cable. Seleccione "Cable" en el menú de configuración (OSD).

OR  
OU  
O



Connect the cable from your antenna to your Ant/Cable input. Select "Antenna" from the Setup on-screen display (OSD) setup menu.

Connectez le câble de votre antenne à l'entrée pour Antenne/Câble. Sélectionnez "Antenne" dans le menu de réglage de l'affichage à l'écran (OSD).

Conecte el cable de su antena a su entrada de Ant/Cable. Seleccione "Antena" en el menú en pantalla (OSD).

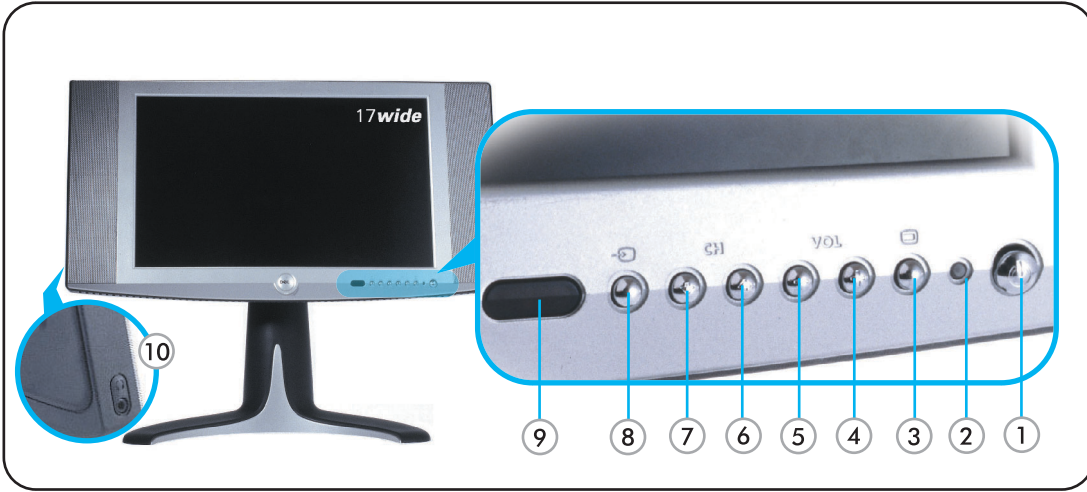


# Setting Up Your Dell LCD TV

Dell™ W1700

Back

## Control and Inputs Contrôles et Entrées Controles y entradas

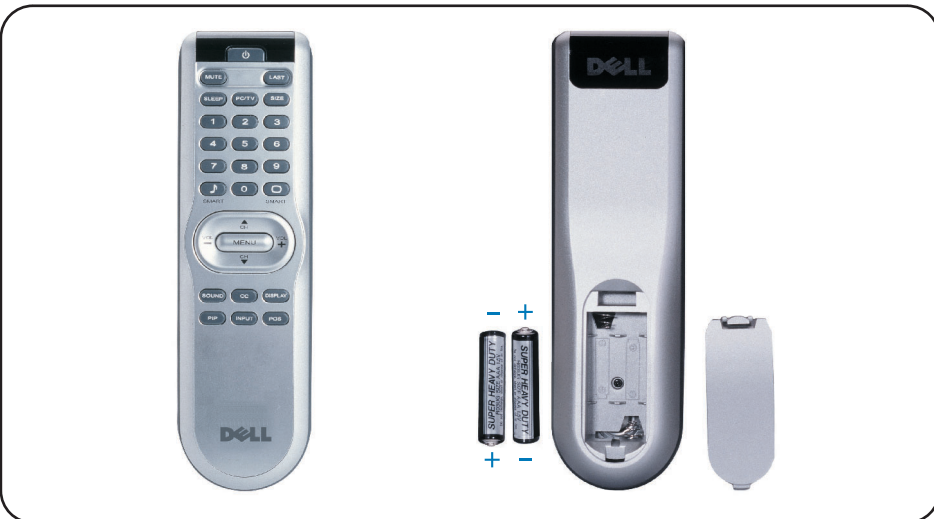


- |                                 |  |                                    |
|---------------------------------|--|------------------------------------|
| 1. Power switch                 | 1. Interrupteur d'alimentation         | 1. Interruptor de alimentación     |
| 2. Power LED                    | 2. LED d'alimentation                  | 2. LED de Alimentación             |
| 3. On-screen display (OSD) Menu | 3. Menu de l'Affichage à l'écran (OSD) | 3. Menú en pantalla (OSD)          |
| 4. Volume Increase/ Selection   | 4. Augmentation du Volume / Sélection  | 4. Incrementar Volumen / Selección |
| 5. Volume Decrease/ Selection   | 5. Diminution du Volume / Sélection    | 5. Decrementar Volumen / Selección |
| 6. Next Channel/Up              | 6. Chaîne suivante / Haut              | 6. Canal Siguiente / Arriba        |
| 7. Previous Channel/Down        | 7. Chaîne précédente / Bas             | 7. Canal Anterior / Abajo          |
| 8. Input Selection              | 8. Sélection d'entrée                  | 8. Selección de entrada            |
| 9. IR Lens                      | 9. Lentille IR                         | 9. Lente IR                        |
| 10. Headphone                   | 10. Ecouteurs                          | 10. Auricular                      |



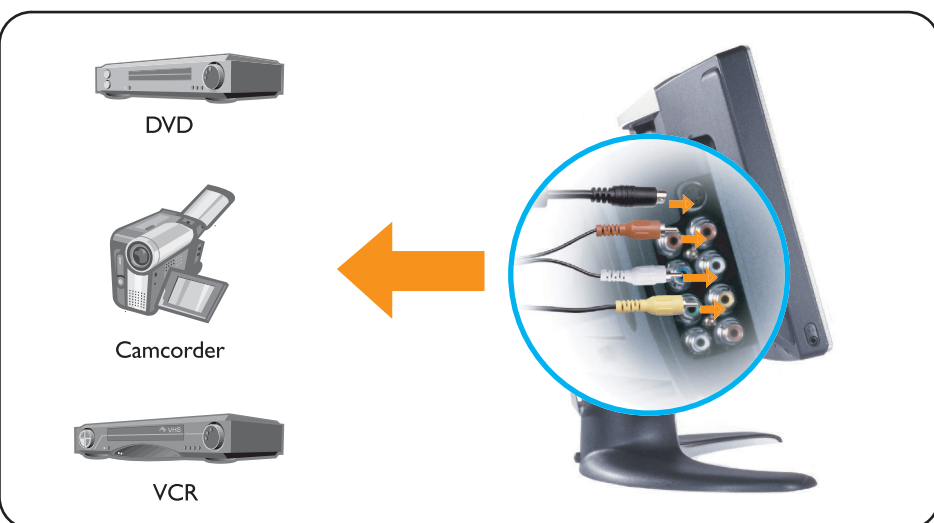
- |                        |                                    |                                  |
|------------------------|------------------------------------|----------------------------------|
| 1. Bass-Port           | 1. Port Basses                     | 1. Puerto de bajos               |
| 2. Security Cable Lock | 2. Verrou câble de sécurité        | 2. Bloqueo de seguridad de cable |
| 3. Handle              | 3. Poignée                         | 3. Asa                           |
| 4. Base Release button | 4. Bouton de libération de la base | 4. Botón de liberación de base   |
| 5. Cable Clip          | 5. Clip du câble                   | 5. Clip de cable                 |
| 6. Lock Down button    | 6. Bouton de verrouillage          | 6. Botón de bloqueo              |

## Installation of Remote Control Batteries Installation des Piles de la Télécommande Instalación de las baterías en el control remoto



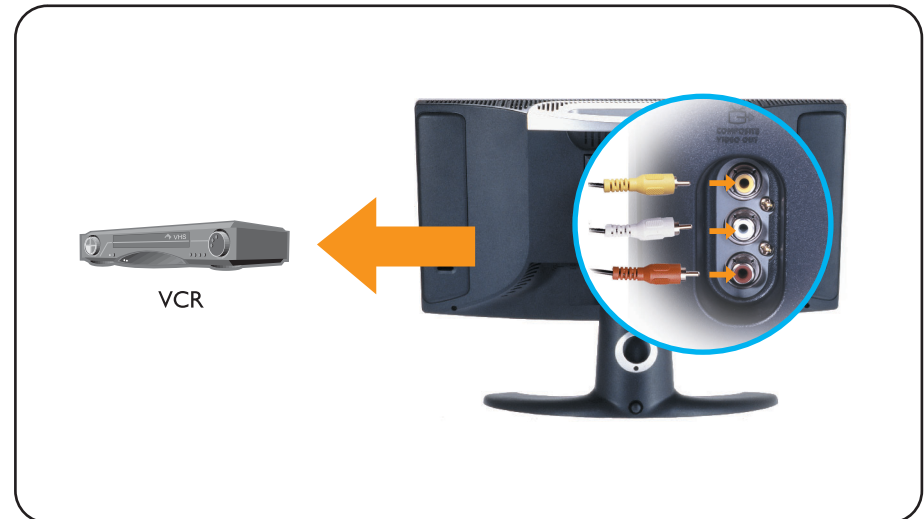
Install the batteries included with your display.  
 Installez les piles livrées avec votre TV LCD.  
 Instale las baterías incluidas con su Pantalla.

## Connecting to DVD/VCD/VCR/CATV Box Connexion à votre DVD/VCD/VCR/CATV Conexión a DVD/VCD/VCR/CATV

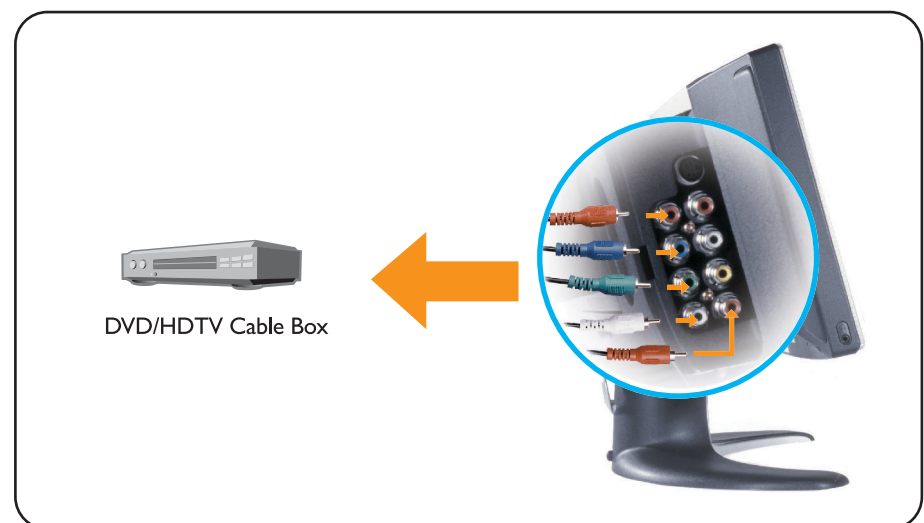


Connect devices with cables provided. Select composite or S-video input from the one-screen display (OSD) menu.  
 Connectez les périphériques avec les câbles mis à disposition. Sélectionnez l'entrée composite ou s-viéo dans le Menu OSD.  
 Conecte los dispositivos con los cables suministrados. Seleccione entrada de vídeo compuesto o S-Video en el menú en pantalla (OSD).

## Connecting A/V Outputs Connexion des Sorties Vidéo et Audio Conecte las Salidas A/V



Connect recording devices to video and audio outputs.  
 Connectez un périphérique d'enregistrement aux sorties vidéo et audio.  
 Conecte el dispositivo de grabación a las salidas de vídeo y audio.



Connect devices with cables provided. Select Component (YPbPr) input from on-screen display (OSD) menu.  
 Connectez les périphériques avec les câbles fournis. Sélectionnez l'entrée Composant (YPbPr) dans le menu Affichage à l'écran (OSD).  
 Conecte los dispositivos con los cables suministrados. Seleccione la entrada en componentes (YPbPr) en el menú en pantalla (OSD).



Note: Detailed user information is included on the enclosed CD and Owner's manual.



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Parts included : •LCD TV display•Adjustable stand• Cable door/cover•Remote control  
 •AAA batteriesX2•Power cable•TV connector adapter•Power adapter•PC VGA cable  
 •PC DVI cable PC audio cable• Composite video cable•S-video cable•Component video  
 cable•Stereo RCA Cable• Quick Setup Guide•Owner's manual•CD-ROM•2x3ft cable  
 sleeve cover•6 wire ties.