

Regulatory: Dell™ Rackmount Flat Panel Color Monitor User's Guide

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.

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

⚠ WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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:

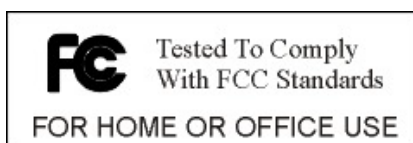
- Reorient or relocate receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer of an experienced radio/TV technician for help.

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.

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

FCC Declaration of Conformity



According to 47 CFR, Part 15 of the FCC Rules

***For the following named produce:
LCD MONITOR (Category Name)**

Rackmount / DELL
(Model No / Brand Name)

CHC7229 (Basic Model)

***Manufactured at:**

Compal Electronics, Inc.
We hereby declare that 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, and
- This device must accept any interference received,
including interference that may cause undesired
operation.

***FCC Rules:**

Tested to comply with FCC part 15, class B

***Test site at:**

***Responsible Party for Produce:** Compal Electronics, Inc.
Compliance: NO.581,Juikuang Rd.
Neihu ,Taipei, Taiwan, R.O.C. 114
Tel)+(886)-2-8797-8588
Fax)+(886)-2-2658-3168

***Manufacturer Information:**

Compal Electronics, Inc. Safety Dept.
Dept. Manager
NO.581,Juikuang Rd. Supplier signature
Neihu ,Taipei, Taiwan, R.O.C. 114

Win Chen

Win Chen

EU Declaration of Conformity (LVD,EMC)

For the following product: LCD MONITOR (category name)
Rackmount (model name)

Manufactured at: Compal Electronics, Inc.
8, Nan-Tung Rd., Pin-Cheng City Taoyuan Hsien, Taiwan
R.O.C.

We hereby declare, that all major safety requirements, concerning to CE-Mark Directive(93/68/EEC) and Low Voltage Directive (73/23/EEC), Electromagnetic Compatibility Directives (89/336/EEC, 92/31/EEC) are fulfilled, as laid out in the guidelines set down by the member states of the EEC Commission. This declaration is valid for all samples that are part of this declaration, which are manufactured according to the production charts appendix. The standards relevant for the evaluation of electrical safety & EMC requirements are as follows:

LVD:EN60950:1992 +A1+A2+A3+A4

EMC:EN50082-1:1997, EN55022:1995, EN61000-3-2 & 3:1995

1. Certificate of conformity /Test report issued by:

LVD:TÜV

2. Technical documentation kept at:

Compal Electronics, Inc.

Which will be made available upon request.(Manufacturer)

Compal Electronics, Inc.
NO.581,Juikuang Rd.
Neihu ,Taipei, Taiwan, R.O.C. 114

Safety Dept.
Manager

Win Chen

Win Chen

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.

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 or 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 (ohranné pásmo 30m) podle EN 55022 platí následující. Dojde-li k rušení telekomunikačních nebo jiných zařízení, je uživatel povinen provést taková opatření, aby rušení odstranil.

VCCI Class 2 Notice (Japan Only)

This equipment complies with the limits for a Class 2 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。

MOC Notice (South Korea Only)

Class B Device

장치 종류	사용처 안내문
B급 기기	이 장치는 가정용으로 전자파 적합등록을 한 장치로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

Please note that this device has been approved for nonbusiness 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 kołkiem). 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 użytkownika 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 luznych 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 -4° Piso Col. Cuauhtemoc 16500 México, D.F.
Ship to:	S.A. de C.B. al Cuidado de Kudhne & Nagel de México S. de R.L., Avenida Soles No.55 Col. Peñon de los Baños, 15520 México, D.F.
Supply voltage:	12VDC,
Current consumption:	2A

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 -4° Piso Col. Cuauhtemoc 16500 México, D.F.
Embarcar a:	S.A. de C.B. al Cuidado de Kudhne & Nagel de México S. de R.L., Avenida Soles No.55 Col. Peñon de los Baños, 15520 México, D.F.
Tensión alimentación: Consumo de corriente:	12VDC, 2A

BCIQ Notice (Taiwan Only)

警告使用者：這是甲類的資訊產品，在居住的環境中使用，可能會造成無線電干擾，在這種情況下，使用者會被要求採取某些適當的對策。

Ergonomics Notice (Germany Only)

Under the requirements of German ergonomics standard ISO9241-3/-7/-8, graphics or characters:

- Blue graphics or characters in dark background are not recommended. (This combination may increase eye fatigue due to poor visibility caused by low contrast.)
- Graphics controller and monitor are recommended to be used in the following conditions:
 - Vertical frequency: 56Hz or higher.
 - Display mode :Dark characters in bright abckground.

Ergonomie Hinweis (nur Deutschland)

Um den Anforderungen der deutschen Ergonomie-Norm ISO9241-3/-7/-8 zu antworten.

- Wird empfohlen, die Grundfarbe Blau nicht auf dunklem Hintergrund zu verwenden (schlechte Erkennbarkeit. Augenbelastung bei zu geringem Zeichenkontrast).
- Wird folgende Einstellung des Grafik-Comtrollers und Monitors empfohlen.
 - Vertikalfrequenz: 56Hz oder hoher.
 - Ohne Zellensprung.

Design for Recyclability

Your Dell equipment complies with the following principles of recyclable design:


- Avoidance of nonseparable connections, such as gluing and welding, between different materials
- Avoidance of coatings and composite structure materials
- Use of as few different materials as possible
- Designed for ease of disassembly:
 - Subassemblies, cables, and components easily detachable by one person working alone
 - Minimal use of screws
 - Most disassembly can be done by hand or with the aid of a standard 6-millimeter (1/4-inch) nut driver only

Dell's Blue Angel Disposal Program

Rapid technological advances lead to a high turnover in computer products, as customers upgrade their systems at an ever-increasing rate. To address the mounting problem regarding the indiscriminate disposal of unwanted products, and in anticipation of future legislation, Dell has instituted a disposal program, called Green Away, for the collection and disposal of these products.

Dell's Green Away Program

Dell's Green Away program is a free material return and disposal service for Dell customers, covering computer products sold by Dell under the environmental label plans. The returned products are reused, recycled, or disposed of as appropriate, in accordance with local environmental guidelines.


 **NOTE: The Green Away program is designed to dispose of unwanted or unusable products under the environmental label plans. For returned material discount on recent purchases, or for recycling of equipment neither sold by Dell nor covered by the environmental label plans, contact your local Dell Asset Management specialist.**

In carrying out this program, Dell's general responsibilities include the following:

- Organizing the reuse/recycling/disposal of the equipment
- Ensuring that all disposal/recycling practices meet local environmental regulations
- Monitoring the process to ensure compliance and facilitate process improvement

How the Green Away Program Works

When you have one or more items of equipment that you would like to dispose of, contact your local Dell customer service department to request instructions. The returns coordinator processes the request and advised you on the return of your material. Refer to “Green Away Collection Sites” found later in this document for the telephone number and collection point in your area.

 **Note: “Shells” (equipment from which integral components, such as chips and power supplies, have been removed) are not accepted as part of this free program. If a shell is discovered in your shipment, you will be asked to either collect the system or pay for its disposal.**

The equipment is transported to Dell’s Green Away partner, where it is assessed and disposed of as follows:

- If judged resell able, the Dell label is removed and the equipment is tested, repaired, and resold.
- If judged beyond repair, the equipment is dismantled, and usable parts are offered for sale.

Unable parts are disposed of as follows:

- Metal cases are sold to metals recyclers.
- Printed circuit boards and cases are sent to refiners.
- Plastic parts are sent to plastic recyclers.
- Unusable packaging is sent to paper recyclers.

Monitors are sent to recycling companies to be disposed of as follows:

- The tubes are washed and the luminescent powder is recovered, some elements are extracted for reuse, and the remainder is disposed of via controlled incineration.
- Glass is sorted and sent to the lead smelter or recycled for glass works.
- The planar mask and the iron are sent for reuse to metals recyclers.
- Items that are not reusable are mainly incinerated. However, if certain residues on the items are not allowed in hazardous waste incinerators, the Dell Green Away partner transports the items to a secured (bundled) hazardous waste landfill.

Spare Parts Policy


Dell commits to retaining stocks of spare parts (or reasonable alternatives) for a period of five years from the termination of production of the Dell system component—for example, the base system, the keyboard, or the monitor.

Use of chlorine-free paper (Europe Only)

As part of Dell’s policy to reduce the impact on the environment of obsolete item disposal and in compliance with guidelines in many geographical locations, all Dell documentation supplied with Dell equipment is printed on paper (fresh fiber from sustainable resources or recycled waste paper) bleached without the use of chlorine.

Green Away Collection Points

The table lists the country specific customer service telephone number along with the address for the Green Away collection site. For Germany, the Green Away collection site telephone number is listed rather than the customer service number.

 **NOTE: Locations marked with an asterisk (*) are facilities approved for battery disposal. As Dell expands the network of Green Away centers, additional addresses will be available across Europe. Contact your local Dell customer service department for information about the availability of Green Away services in your location.**

Country:	Telephone	Address
Belgium	02 481 91 00	R Frazier Ltd. Plantijnweg 15 4104 BC Culemgorg, Netherland
Denmark	+46-8-5900 5151	WMI Sellbergs AB Box 1294 S-171 25 Solna, Sweden
Finland	+46-8-5900 5181	WMI Selbergs AB Box 1294 S-171 25 Solna, Sweden
Germany:		
Northern Germany*	0130-86 12 51	Bockmann/Ohlig Tersteegenstrasse 21a 42653 Solingen
Southern Germany*	0130-86 12 51	Knab Carl Benz Strasse 8-10 35440 Linden
Netherlands	02 481 91 00	R Frazier Europe Plantijnweg 15 4104 BC Culemborg, Netherland
Norway	+46-8-5900 5179	WMI Sellbergs AB Box 1294 S-171 25 Solna, Sweden
Sweden	+46-8-5900 5169	WMI Sellbergs AB Box 1294 S-171 25 Solna, Sweden
United Kingdom*	0800 783-3124	R Frazier Ltd. Irongray Business Park Lochside Industrial Estate Dumfries DG2 0NR