



# PCXCV-Gx Low Emission Color Monitor

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## Installation and Operating Information

Order Number: EK-PCXCV-GX. B01

**Important Warnings Inside**

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**March 1994**

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**FCC ID: BEJCQ465**

**Note:** 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. Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

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 and television reception; 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:

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

Additional information on the need to interconnect the device with shielded (data) cables or the need for special devices, such as ferrite beads on cables, is required if such means of interference suppression was used in the qualification test for the device.

#### **Canadian Department of Communications Statement**

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

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# About This Guide

## Overview

This guide is intended for users who wish to install the color monitor. This guide describes how to connect cables and clean the monitor.

## Conventions

The following conventions are used in this document:

Convention	Meaning
<b>Note</b>	Provides general information.
<b>Warning</b>	Provides information to prevent personal injury.

## Before You Start

A small flat-blade screwdriver may be needed to install the communication cable.

## Installation/Operating Guidelines

Observe the following basic rules for installation and use.

### Do . . .

- Use the power cord supplied with the monitor, which is UL-, CSA-, and VDE-approved.
- Turn the monitor off when not being used for an extended period of time.

### Do Not . . .

- Overload the ac outlet.
- Open the monitor. It contains high voltages that could result in personal injury. If any problems arise, call your service technician.
- Move the monitor on a stand over carpet or thresholds.
- Push objects into the monitor's openings.
- Add accessories that are not designed for this monitor.
- Operate the monitor near water or in a damp environment.
- Operate the monitor near magnets and motor devices.
- Obstruct the ventilation openings in the monitor's cabinet, such as placing the monitor on a rug or within an enclosure.
- Place the monitor near a radiator or heat source.

# 1

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## Installation

### 1.1 Tilt/Swivel Stand Installation

To install the tilt/swivel stand:

1. Carefully set the monitor face down.
2. Insert the hooks on the tilt/swivel stand into the matching slots in the base of the monitor.
3. Slide the tilt/swivel stand toward the front of the monitor until the latches click into the locked position.

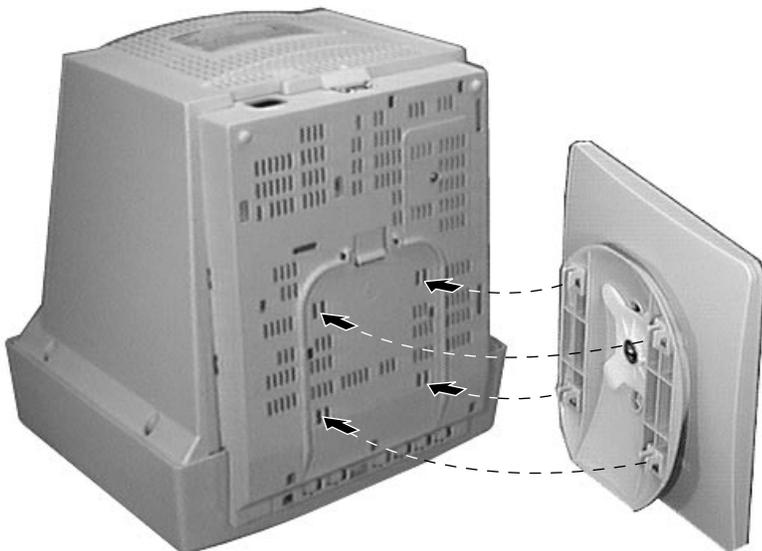


FIG. 1

## Installation

### 1.2 Monitor Installation

### 1.2 Monitor Installation

To connect your monitor:

1. Turn the power off on the monitor and the computer.
2. Position the monitor and the computer so that you can easily get to the back panel of each system.
3. Connect the signal cable on the back of the monitor to the back of the computer. If needed, refer to your computer owner's manual.
4. Tighten the signal cable screws with a flat-head screwdriver.
5. Plug in the ac power cord to the monitor, then to a properly-grounded ac electrical outlet.
6. Push the power switch button to turn on power to the monitor. The power indicator  should light.

## Installation 1.2 Monitor Installation

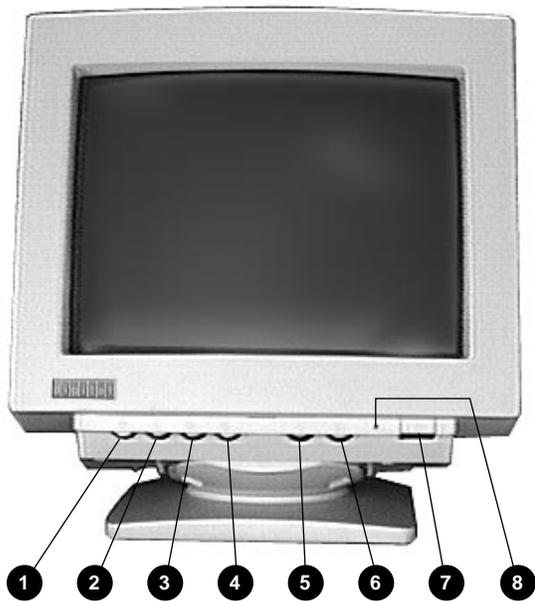


FIG.3

Item	Function
① V-Center	Adjusts vertical centering
② V-Size	Adjusts vertical size
③ H-Center	Adjusts horizontal centering
④ H-Size	Adjusts horizontal size
⑤ Contrast	Adjusts white level for comfortable viewing
⑥ Brightness	Adjusts black level for comfortable viewing
⑦ Power switch	Turns the monitor on and off
⑧ Power indicator	Lights when power is on



# 2

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## Servicing

### 2.1 Cleaning the Monitor

To clean the monitor:

1. Unplug the monitor.
2. Clean the monitor with a soft, slightly damp cloth. **Do not** use an aerosol cleaner directly on the screen.

### 2.2 Servicing the Monitor

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#### Warning

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**Do not** attempt to service the monitor yourself. It contains hazardous high voltages. Call a qualified service representative.

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Digital provides a wide range of maintenance programs for terminals. It is recommended that you use either DECmailer or Carry-In Service when servicing the PCXCV-Gx color monitor. If needed, use the original box and packing material to send the unit to the service location.

## **Servicing**

### **2.2 Servicing the Monitor**

#### **2.2.1 DECmailer**

DECmailer provides a mail-in service for the PCXCV-Gx color monitor. Ship the terminal to your nearest Digital Servicenter using a common carrier. The terminal will be repaired or exchanged and returned to you within five days.

#### **2.2.2 Carry-In Service**

Digital Carry-In Servicenters are located in major cities around the world. They offer convenient, cost-effective repair service with a 48-hour turnaround time. Both contract and per-call coverage is offered.

#### **2.2.3 Monitor Disposal**

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**Warning**

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If you need to dispose of a unit, ask a qualified service representative for the proper procedure. Improper disposal could result in personal injury from implosion.

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#### **2.2.4 How To Get Service**

To find out more about Digital's hardware and software services, contact your local Digital Services office.

# 3

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## Specifications

### 3.1 Monitor Specifications

<b>Monitor</b>	35.6 cm (14 in) non-glare, 90° deflection, 0.28 dot pitch
<b>Signal connector</b>	15-pin D-sub
<b>Power input</b>	Autoranging: 90 - 264 Vac, 50-60 Hz, 1.9 A
<b>Dimensions</b>	36.1 × 38.6 × 32 cm without stand (14.2 × 15.2 × 12.6 in) 36.1 × 38.6 × 35.1 cm with stand (14.2 × 15.2 × 13.8 in)
<b>Weight</b>	10.4 Kg (4.7 lb) 10.8 Kg (4.9 lb) with stand

## Specifications

### 3.2 Scanning Modes

### 3.2 Scanning Modes

The horizontal and vertical frequencies for each screen resolution are as follows:

Resolution	H-Frequency	V-Frequency	Remarks
640 × 350	31.5K Hz	70 Hz	IBM VGA1
640 × 400	31.5K Hz	70 Hz	IBM VGA2
640 × 480	31.5K Hz	60 Hz	IBM VGA3
800 × 600	35.2K Hz	56 Hz	SUPER VGA
1024 × 768	35.5K Hz	87 Hz	IBM 8514/A*
640 × 350	37.88K Hz	84 Hz	-
640 × 400	37.88K Hz	84 Hz	-
640 × 480	37.88K Hz	72 Hz	VESA Ergo VGA
800 × 600	37.88K Hz	60 Hz	VESA SUPER VGA

\*Interlaced

### 3.3 Monitor Power Management System

#### Energy Star "Ready" Monitor

This monitor has three power-saving states, indicated by the light-emitting diode (LED) on the front panel:

LED Color	State†	Power Consumption	Recovery Time
Green	On	Normal	-
Amber	Standby/ Suspend	< 15 watts	3 s
-	Off	< 5 watts	15 s

† These power-saving states exceed the Environmental Protection Agency (EPA) Energy Star requirements using the Video Electronics Standard Association (VESA) methodology for Display Power Management Signals.

## Specifications

### 3.3 Monitor Power Management System

The monitor remains in the power-saving state until you press a key on the keyboard or move the mouse (if available). The recovery time back to the On state varies as indicated above.

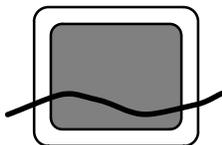
### 3.4 Environment

This product has been designed and manufactured to minimize the impact to the environment. The packaging is recyclable and the terminal can be returned for proper disposal.

#### **Asbestos**

This product does not use asbestos in any form.

#### **Low Emission**



The PCXCV-Gx conforms to the guidelines of the Swedish Standard SS436 14 90 and NBOSH (Swedish National Council for Metrology and Testing Display Units - Test Methods MPR-2 1990:8).

## Specifications

### 3.4 Environment

#### Flame Retardants

The enclosures do not contain polybrominated diphenylether (PBDE) as a flame retardant additive; therefore, they do not emit toxic dibenzofuran and dibenzodioxin gases.

#### Ozone Depleting Substances (ODS)

The PCXCV-Gx is in full compliance with the labeling requirements in the U.S. Clean Air Act Amendments of 1990. It does not contain, nor is it manufactured with, a Class 1 ODS, as defined in Title VI Section 611 of this act.

#### PVC

The plastic enclosures are not made of rigid PVC. The material has a non-halogenated, flame-retardant system and is cadmium free.

#### Recyclable Material

The packaging material can be recycled, or you can save it to return the monitor to a service center for repair or disposal.

#### VCCI Class 2

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