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Color Card



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Getting Started

What is the Hercules Color Card?

The Hercules Color Card emulates the IBM Color Graphics Adapter and is compatible with its software. It offers the IBM standard graphics resolutions of 320 by 200 with four colors or 640 by 200 black and white with any IBM compatible RGB or composite monitor.

The Hercules Color Card's small size allows it to fit in either a long or short slot in an XT, *Portable*, or PC. It can co-exist in a system with the Hercules Graphics Card. A parallel port, composite video adapter and light pen interface are standard.

Inventory Checklist

Verify that you have received the following items:

- 1 Hercules Color Card
- 1 Owner's Manual
- 1 Composite Video Adapter

Please fill out the Purchaser Registration Card attached to the back cover of this Owner's Manual. You will receive valuable information on updates and future products.

We strongly urge you to read Chapter 1 before attempting to install or operate the Hercules Color Card. (It is not necessary to read Chapter 2 for basic operation.) If you encounter any problems when using the Color Card, consult Appendix 1 before contacting your dealer or Hercules.

Getting Started

How to Install the Hercules Color Card

Follow these steps to install the Color Card in a PC, XT or Portable:

- Remove the system unit cover following the instructions in IBM's documentation or consult your dealer if necessary.
- 2 Make sure that these cards are not in the system:
 - a IBM Color Graphics Adapter and look-alikes
 - **b** Hercules Graphics Card, model GB100
 - c Any card or cards with parallel printer ports that assume both identities LPT1: and LPT2:

The Hercules Graphics Card, model GB101 or later, may always be kept in the system with the Hercules Color Card.

- 3 Locate an empty long or short expansion slot. (Do not use slots J7 or J8 in the *Portable* or slot 8 in an XT.)
- 4 Remove the screw and metal bracket hole cover on the back panel of the system unit opposite the slot you have chosen for the Color Card.
- Firmly press the Color Card downwards into the slot and check that it is not in contact with any components. (Reconnect the *Portable*'s internal composite video wire to the four pin connector on the Color Card - P1.)
- 6 Replace the screw to secure the bracket and card.

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Set the switch settings on the motherboard for the Color Display. If you have a Hercules Graphics Card (model GB 101 or later) set the motherboard switches for the IBM Monochrome Display plus another display. (The switch settings can be found in the "Options" section of the IBM Guide to Operations. Do not count the 16K of memory on the Color Card when setting the switches for system memory.)

- Run the IBM Diagnostics program following the instructions in the Guide to Operations.
 - Note: If your system is not an IBM PC, consult the manual that comes with the system and contact the manufacturer in case of any difficulties.

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Using the Hercules Color Card with the Hercules Graphics Card

If you have both Hercules cards in your system and both are connected to a monitor, then when you start up your computer the Monochrome Display connected to the Hercules Graphics Card will be the active display.

To make the display connected to the Hercules Color Card the active display put your DOS diskette (version 2.0 or later) in drive A, ensure that the Hercules Graphics Card is not in the FULL configuration (consult the Gray Card manual), and type

A>MODE CO80 [ENTER] for 80 columns

or

A>MODE CO40 [ENTER] for 40 columns

To switch back to the Monochrome Display, type

A>MODE MONO [ENTER]

Many programs that use the Hercules Color Card will automatically mal monitor connected to it the active monitor.

If you have a Hercules Graphics Card (model GB101 or later) in your sy with the Color Card, be sure that the Hercules Graphics Card is *not* in FULL configuration before attempting to run Color Card software. The Hercules Graphics Card must be in the DIAG or HALF configuration for Color Card to be used.