

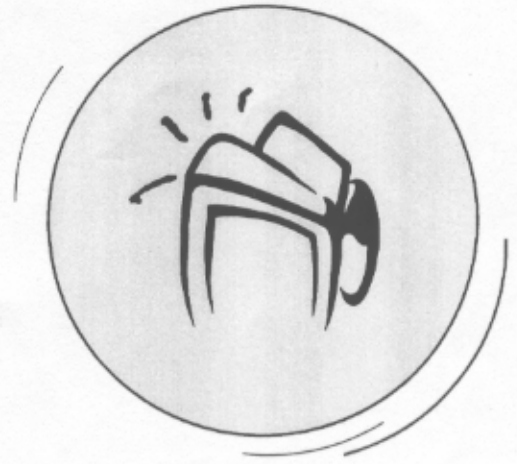
User's Manual

Hansol
Electronics

19 Inch (Viewable size 18")

High Resolution Color Monitor

(B19CL)



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FCC Information

This equipment has been tested and found to comply with 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 unacceptable interference to radio and 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 the 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.

DECLARATION OF CONFORMITY

PRODUCT NAME : 19" COLOR MONITOR

MODEL NUMBER : B19CL

FCC RULES : TESTED TO COMPLY WITH FCC PART 15, CLASS B

OPERATING ENVIRONMENT : FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT :

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

HANSOL MULTITECH, INC.

7001, VILLAGE DRIVE, SUITE 255, BUENA PARK, CA, 90621, USA

TEL : (714)662-5151

Introduction

Package	4
Features	5
Safety Information	6
Power Management System	7

Installation

Connection to your computer	7
Pin assignment table D-Sub mini 15 pin connector	8

Controls

Function of controls	8
OSD Menu	9

Troubleshooting

Troubleshooting Guide	13
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Specifications

Electrical specifications	14
Mechanical specifications	14
Environmental specifications	14

Appendix

Preset timings	15
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Caution

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

Warning

If this equipment has more than one interface connector, do not leave cables connected to unused interfaces.

Canadian Notice

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

Avis Canadien

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

Notice

The information contained in this document is subject to change without notice.

Package

First, we would like to thank you for your purchase of this monitor. This monitor is 19inch, high resolution, color display monitor. This manual covers the use, and points of caution, when operating this monitor.

Please take the time to read this manual so that you will obtain the best performance and most use from your monitor. After reading the manual, store it in a safe place for future reference.

This items illustrated below are contained in the carton.

First, be sure that your carton includes the following items.

If any items are missing or damaged, please contact your local dealer or supplier.

■ B19AL

- Color Monitor
- AC Power input cable
- User's Manual (Warranty Registration Card)
- Signal Cable (15pin 3layer D-sub)

■ Features

- 19-inch (18 inch visual) high performance display color monitor
- Automatically scans frequencies from
 - Horizontal frequency: 30 to 96KHz
 - Vertical frequency: 47 to 150Hz
- Compatible with VGA, SVGA, VESA, MAC Standards and maximum resolution modes up to 1600 x 1200.
- Supports VESA flicker free modes including 85Hz refresh rate.
- On Screen menu fingertip control system to visually select and adjust screen images using 6 buttons on front panel and on screen menus.
- Power supply operates on AC100-240Vat 60/50Hz for use all over the world.
- Equipped with DDC 1/2B for Plug & Play capability.
- Equipped with an energy-saving feature. Power management circuit when signaled by the computer system, will reduce power consumption when the computer system is not in use.
- Monitors with nonglare/static screens are compliant with MPR 1990 Emissions standards and meets requirements for CE Marking.
 - * TCO : (option)

■ Safety information

- Provided with this monitor is a detachable power supply cord with IEC320 style terminations. It may be suitable for connection to any UL listed personal computer with similar configuration. Before making the connection ensure that the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal to or exceeds the monitor current rating.
 - For 120Volt applications use only UL listed detachable power cord with NEMA configuration 5-15P type(parallel blades) plug cap.
 - For 240Volt applications use only UL listed detachable power cord with NEMA configuration 6-15P type(landem blades) plug cap.
- Use only a power source and connection appropriate for the monitor as indicated on the marking label.
- Slots and openings in the cabinet are provided for ventilation; these openings must not be blocked or covered. Never push objects of any kind into cabinet slots or other openings.
- Never insert anything metallic into the monitor openings. Doing so may create a danger of electric shock.
- To avoid electric shock, never touch the inside of the monitor. Only a qualified technician should open the monitor's case.
- Unplug the monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp, lint-free cloth for cleaning.
- Install the monitor near an outlet that you can reach easily. Disconnect the product by grasping the plug firmly and pulling in from the outlet. Never disconnect it by pulling the cord.

■ Power management system

This monitor meets VESA(Video Electronics Standards Association) DPMS(Display Power Management Signalling)standards. In order for the monitor's power saving feature to function, the video board or computer must also meet VESA® DPMS™ standards.

■ Power management table

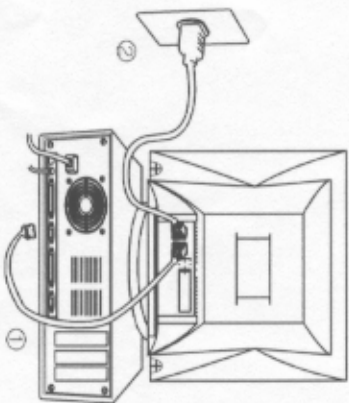
State	Normal Operation	Power saving function mode		
		Standby	Suspend Mode	Power-Off Mode
Sync				
Horizontal	Active	Inactive	Active	Inactive
Vertical	Active	Active	Inactive	Inactive
Video	Active	Blanked	Blanked	Blanked
LED Color	Green	Green/AMBER	AMBER	AMBER Blinking
Power Consumption	120W	Less than 80% ofMAX	Less than 15W	Less than 3W

Note : The monitor automatically goes through the DPMS steps when it is idle. To release the monitor from the DPMS condition, press any key on the keyboard.

■ Connection to your computer

⚠ CAUTION

Ensure that both the PC and the display monitor are switched off.



To attach the monitor to your system, as shown in the following illustrations.

1. Connect the signal cable ① to the 15pin graphics connector of the system and tighten the fastening screws.
2. Insert the AC power cord ② into monitor and then into an AC power outlet.
3. To turn on the monitor, push the power switch.

Note : To attach the monitor to the Macintosh system, please contact an authorized dealer. (Need to use a special adaptor)