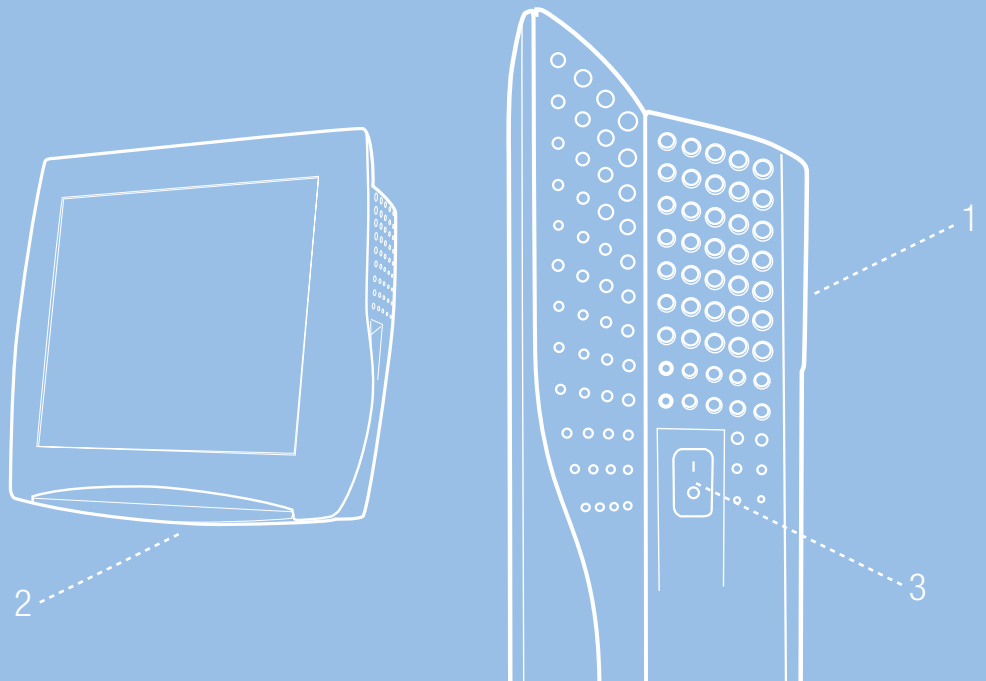


invitium™



QUICK SETUP GUIDE

PLANAR®

Quick Setup Guide

The Planar Invitium™ Medical Workstation is modular, compact and ergonomically suited for effective utilization in the medical environment. It features a computer and flat-panel monitor you can use as one compact unit, or that you can install separately.

Follow these easy steps to:

- Mount the Invitium workstation as a single unit, or
- Take it apart to mount the monitor separate from the computer
- Turn on the system and make screen adjustments.

Additional instructions on calibrating the Invitium workstation's optional touchscreen monitor are in *Section 2: Getting Started of the Operations Manual*. Instructions for reinstalling the Windows® operating system and device drivers — as well providing other maintenance information — are in *Section 4: Troubleshooting of the Operations Manual*.

Please follow these guidelines for mounting your Invitium system.

All mounting solutions:

1. Ensure your mounting solution is designed to hold Invitium system weight safely.
2. Mount should be VESA compatible (100mm or 75mm pattern).
3. Use four (4), 4mm x 10mm, 0.7 pitch stainless steel screws.
4. Use mounting hardware that complies with OSHA, NFPA, and local as well as country building codes as applicable.
5. Follow and comply with the vendor's mounting instructions.

Pole

1. Mounting pole: Profile to safely hold Invitium workstation
2. Base: size and weight to provide stability
3. Casters: 4 minimum, Locking
4. Workstation mount: Weight capacity: 23 lbs. minimum, VESA compatible
5. Keyboard mount: Weight capacity: 6 lbs. minimum
6. Stable to 10-degree tilt

Wall mount

1. Width: Provide clearance for VESA mount spacing
2. Workstation mount: Weight capacity: 23 lbs. minimum, VESA compatible
3. Keyboard mount: Weight capacity: 6 lbs. minimum

Desktop

1. Mounting pole: sufficient shape to hold
2. Base: Sufficient size and weight to provide stability
3. Stable to 10-degree tilt

Mounting the Invitium™ workstation

You can locate the Invitium™ Medical Workstation wherever it achieves optimum ergonomics and space utilization — whether on a mobile cart, freestanding base or on a wall mount.



Step 1.1 — Expose mounting panel

The back of the Invitium computer module has a standard VESA mounting panel with both 100 mm and 75 mm screw configurations. The VESA panel is concealed under a cover. Use a flat-edge screwdriver or similar device to press gently on the top edge of the cover to release it.



Lift off the cover to expose the VESA mounting panel.

Step 1.2 — Attach computer module to mounting panel

Attach the computer to your selected mounting system — a freestanding cart pole, desk stand or wall mount, as examples — using the four screws and the computer's VESA attachment panel. Use the screw mounting pattern that aligns with the fixture's mounting plate.



If the VESA panel on the fixture has slotted upper screw holes, simply screw in the top two screws on the computer's VESA panel, then slide the computer onto the fixture mount as shown in the photo.

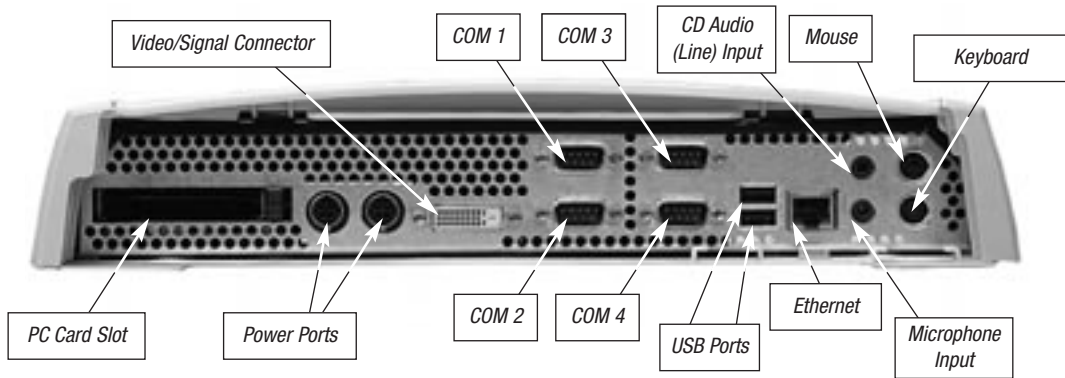
If the holes are not slotted, you will need to support the Invitium system against the mount while the screws are inserted and tightened. Because the Invitium system weighs approximately 23 pounds (10.4 kg), this step is best performed by two people — one holding the Invitium computer against the mounting mechanism and the other attaching it with the screws.



After the top two screws are tightened, insert and tighten the bottom two screws to attach the computer to the fixture.

Step 1.3 — Connect cables to the computer

A connector bay is located in the bottom of the Invitium computer, containing the several ports and connectors you need for the various peripheral devices you are connecting to your Invitium Medical Workstation.



Connect the Video/Signal Cable to the computer's Video/Signal Connector.

Connect the Monitor Power Cable to either Power Port.

Plug the main Power Adapter into a wall plug, then attach the Power Cord to the remaining Power Port.

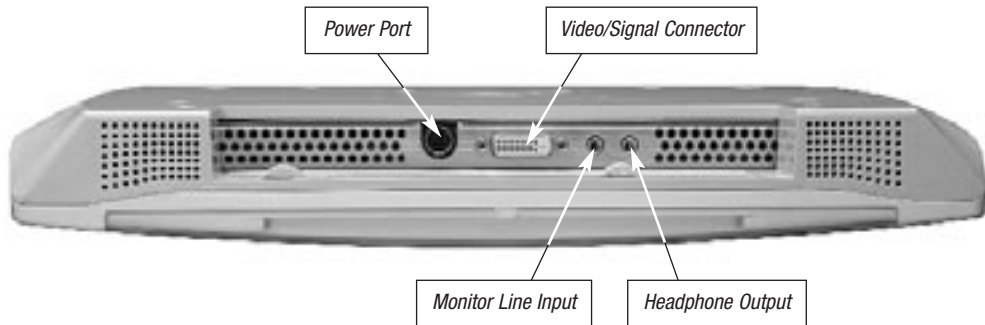
Connect all other cables you may be using, such as the keyboard, mouse, Ethernet and any external USB devices.



Monitor Precaution: The Invitium computer utilizes a video interface based on the DVI standard, but is wired differently than that specified in the standard. Please connect only an Invitium monitor to this interface. Connecting any other monitor may result in damage to either the monitor or to the Invitium computer.



Step 1.4 — Connect cables to the monitor



Connect the Video/Signal Cable to the Video/Signal Connector.

Connect the Power Cable from the computer to the Monitor Power Port.

Connect an audio source, such as a CD player, to the Monitor Line Input connector. Note that PC Audio is automatically connected to the monitor through the Video/Signal cable, making use of the Monitor Input Line optional.

Connect headphones or external, powered speakers to the Headphone Output jack, if desired. Note that plugging any device into this jack will disable the internal monitor speakers.

Mounting the Invitium™ computer and monitor separately

You can detach the Invitium™ workstation's computer from its monitor and mount them separately. This is an easy operation and increases the Invitium system's flexibility for a variety of locations.

As always, make sure that all cables are shielded from foot traffic or other unsafe conditions as you install them.

Step 2.1 — Disconnect system cables

Before separating the Invitium computer from the monitor, be sure to turn off the computer and unplug it from its power source.

Disconnect the Video/Signal cable and any other cables connecting the monitor and the computer.

Step 2.2 — Unscrew monitor from computer



An easy way to separate the monitor and computer modules is to place the system — monitor screen down — on a protected surface.

The monitor is attached to the computer by two screws and two pins. Open the computer's connector bay and locate the two screws above the monitor's speaker grills. Remove the screws.

Step 2.3 — Detach monitor from computer

The Invitium computer and monitor are also firmly connected by two mounting pins on the rear of the computer that slide into keyholes in the back of the monitor.



With the monitor lying face down on a protected surface, firmly grasp the computer and slide it downward. This re-aligns the monitor and computer so that the computer's locking pins are at the widest end of the monitor's keyholes.



This shows you a mounting pin on the back of the monitor and the corresponding keyhole slot in the back of the monitor. There are two pins and two slots attaching the two modules.

When you have slipped the pins to the widest part of the keyhole slots, carefully lift the computer from the monitor.

Step 2.4 — Mount the monitor and the computer

Both the Invitium monitor and computer have VESA mounting panels on their backs. The computer VESA panel has a removable cover.

You can mount the monitor on a wall mount, for example, and keep the computer on a desktop.



Do not mount the Invitium computer or monitor in any way that blocks or obscures their vent holes.

For example, do not mount it on the bottom side of a desk or tabletop where the computer has limited air circulation. Obscuring the vent holes could cause a thermal overheating condition and lead to serious damage to the unit.

Re-attaching the monitor to the computer

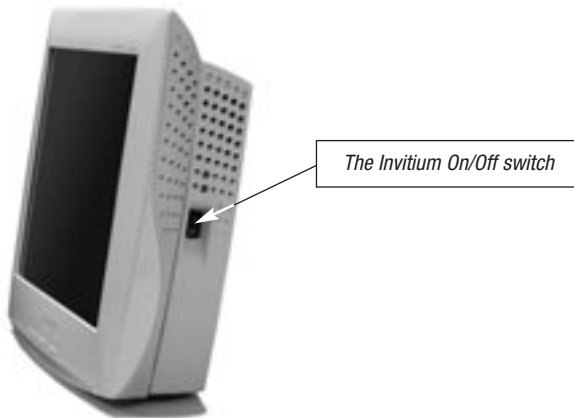
If you want to re-attach the Invitium™ workstation monitor to the Invitium computer, follow these easy steps:

- Attach the computer to its mounting location — a cart or wall-mount, as examples — using the VESA panel on the computer's back.
- Align the monitor's keyholes with the computer's mounting pins. Slide the monitor downward to make the attachment.
- Screw the monitor to the computer using the two screw locations in the computer's connector bay, by the speaker grills.
- Attach all cables to their proper connectors.

Starting up the Invitium™ workstation

Here is how to turn on the Invitium™ workstation and make basic adjustments.

Step 4.1 — Turn on Invitium™ workstation



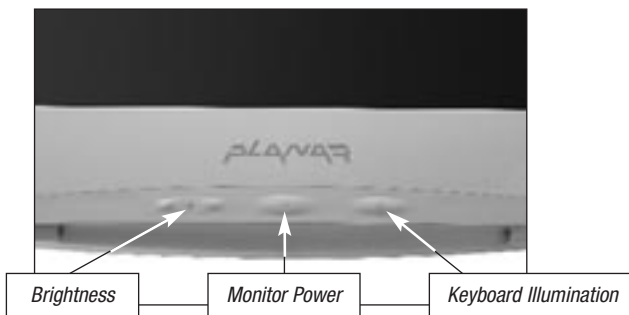
When you have connected all necessary cables between the computer, the monitor and any peripherals, you are ready to turn on the Invitium Medical Workstation.

The Invitium power switch is located on the right side of the computer module. It controls all power to both the computer and monitor.

Step 4.2 — Adjust monitor controls

The Invitium system monitor has three controls located below the display screen. These are for adjusting:

- Brightness
- Power
- Keyboard Illumination



Adjusting Brightness

The brightness-plus control increases the brightness of the display one step when pressed. There are 64 individual brightness steps. Pressing the button momentarily will increment the brightness by one step. Pressing and holding the button for longer than one second causes the monitor to step continuously brighter until it reaches maximum brightness in about seven seconds.

The brightness-minus control reduces the brightness of the display one step when pressed. As described above, you can dim the screen either one step at a time or continuously by holding down on the button until it reaches minimum brightness in about seven seconds.

The Power button

If you press the Power button when the monitor is on, it will go into Standby mode and the green light will flash. Pressing it again turns off the monitor completely.

Keyboard Illumination

A low-level, soft keyboard light is provided for night use in patient rooms. If you leave the keyboard light on and unattended for more than 30 minutes, it turns off automatically.

Continuing with Invitium system setup

Refer to Section 3 of the Invitium Medical Workstation User's Manual for detailed instructions on defining the Basic Input/Output System (BIOS) configuration.

Loading applications

The Invitium Medical Workstation comes with the Windows® operating system and drivers installed. Because the system does not have internal CD or floppy drives, you should attach external devices (USB or PC Card based) suitable for loading additional applications and other software you want to run on your Invitium workstation.

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