

Information to the User

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

Warning

A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used.

All external cables connecting to this basic unit need to be shielded. For cables connecting to option boards, see the option manual or installation instructions.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate this equipment.

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PREPARING THE SITE

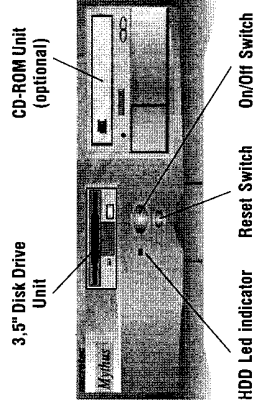
Please prepare the local of installation as described below:

- The site must have a 3-pin grounded power outlet, to be compatible with supplied power cord;
- The site must have enough free space around computer to provide easy ventilation and good conditions to connect other equipments, like a printer;
- The site must be isolated from strong electromagnetic fields and electric noise produced by electrical devices such as air conditioners, large fans, radios and TVs;
- Keep computer away from opened windows and sources of excessive heat, such as radiators;
- Do not expose the computer to a place subject of dust, rain or spills of water;
- Never install the computer on an unstable cart, stand or table. Also, operator should not use a chair equipped with wheels, to avoid static electricity.
- Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.

INSTALLATION PROCEDURES

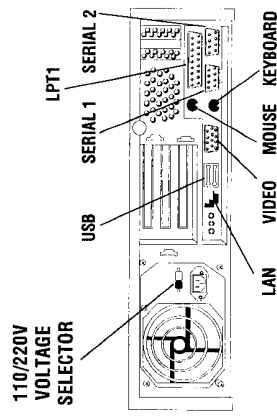
- To protect computer against overheating, the backside of computer should not be blocked or covered;
- Place the video at a strategic place, free of screen's direct sunlight, to protect operator's eyes.
- Turn the computer off and remove power cord from outlet immediately if computer has been dropped or something falls into slots of computer or monitor's cabinet. It may touch dangerous voltage point or short out parts that could result in a fire or electric shocks. Call a technic serviceman before turn equipment on again.
- Read and understand all restrictions described on Warranty Certificate before install equipment.

I Remove the keyboard and accessories kit from the carton and put them in a safe place. Remove the computer from the package and place it on the previous prepared site, on its definitive position. Ensure this place has enough surround space for proper fun and other equipment connections.



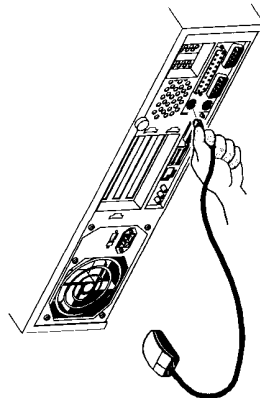
2 Make sure the electrical outlet complies with the voltage rate selected on the computer's power supply. Change switch key position, if necessary.

Figure below shows the location of important computer's components.



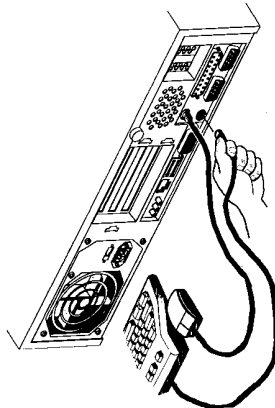
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Figure below shows the correct connection of mouse's cable.



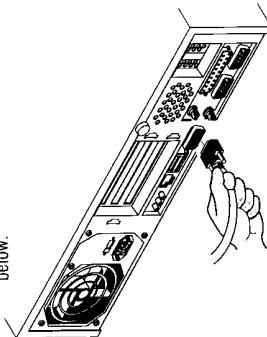
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Figure below shows the correct connection of keyboard's cable.

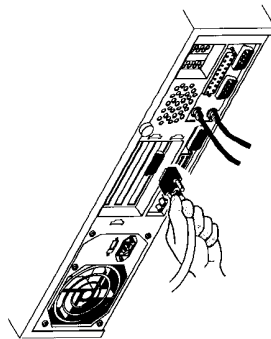


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According to model acquired, the signals connector should be located on the connection panel, or on an expansion slot. If it's on the connection panel, connect the video signals cable according to illustration below.



If the video signals connector is on the expansion slot, please connect the cable according to illustration below.



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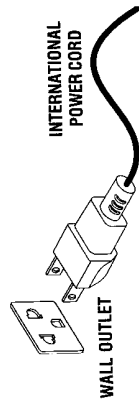
According to model acquired, one of 2 monitor's power cord assembly is supplied, as follows:

- International Cable plus National Cable;

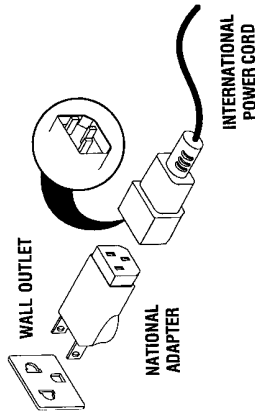
or:

- International Cable plus National Adapter.

If both cables, International and National were furnished, use only National Cable. Reserve International one in a safe place.

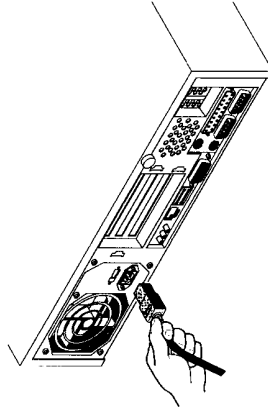


If International Cable and National Adapter were furnished, use National Adapter to perform connection, as illustrated below.



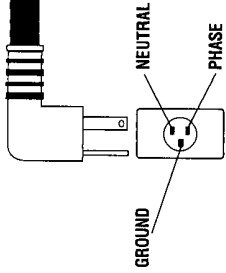
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Connect the computer's power cord according to illustration below.



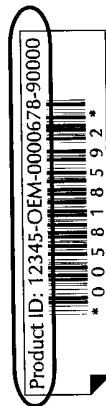
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Connect the other edge to an electrical grounded outlet, as illustrated below.



OPERATIONAL SYSTEM REGISTER

When computer first starts, the Operational System's register number (Product ID) is required. This number is attached to product's manual cover. When required, type its number, obeying right sequence.



ELECTRONIC USER'S GUIDE

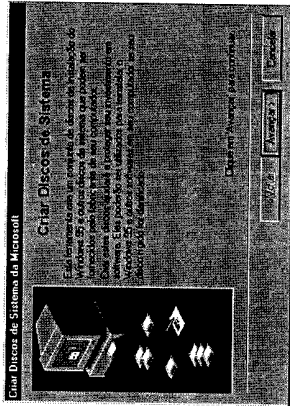
The computer comes with a electronic user's guide installed. To access this guide, please follow instructions below.

1. Click **START** button, at Window's taskbar, and point to **PROGRAMS**. A menu appears. Select **MANUAL** option; the user's guide option appears.
2. Select **Manual** option. Then, the user's guide main screen appears. Locate and click a desired topic to access its contents. If desired, this content should be printed, using **PRINT** option, located at the bottom of screen. Microtec recommends ones to print some important topics of the user's guide, for future reference.

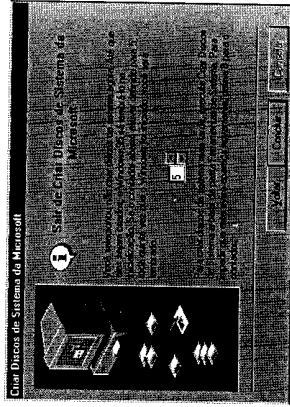
SECURITY BACKUP

If this computer has been acquired with factory pre-installed softwares and operational system, it's necessary to perform a security copy of installed programs. This procedure is described below.

1. When computer first starts, the POST (Power On Self Test) begins. After some time, the user are prompt to perform Operational System and installed programs Security Backup.

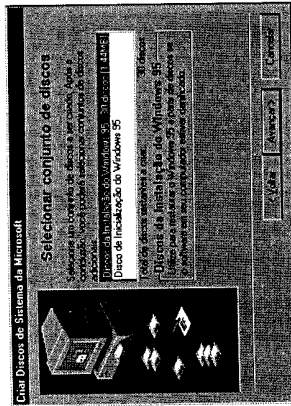


2. Read carefully information presented. To perform a Security Backup, go to step 4. To abort process, click on **CANCEL**.



3. The Security Backup routine will be activated again after the number of times configured on the last screen. For example, if the number configured is 5, this routine will be shown again after the computer starts next 5th time. Click on **APPLY** to continue.

4. To realize backup now, press NEXT (see step 1 figure). A program list screen appears, showing programs existing and their respective required disks number:



5. Select one of options presented and click *CONTINUE*.
6. Insert a diskette into a floppy unit and click on *CONTINUE*. When this disk is ready, the next disk is automatically required.
7. Attach label (supplied with system's manual) on the diskette to identify it.
8. When the last security backup finish, security backup routine is removed from the system.

Attempt to generate the Initialization Diskette. In case of serious problems with installed operational system copy, this diskette will be used to initialize system.

IMPORTANT

The user should keep a security copy of all factory installed programs. Therefore, to distribute this copy to third persons its an illegal practice and its subject to penalties, according to software's License Agreement supplied.

MAKING OPERATIONAL ENVIRONMENT SUITABLE

Use the following tips to help minimize eye strain and body fatigue when operating computers for long time.

Adjust the chair so that:

- Feet are flat on the floor; use a footrest if needed.
- Legs form a right angle to the floor.
- The back of your knees are free from the chair seat.
- Body weight rests on your spine while supporting the lower back region.

Adjust the computer so that:

- Wrists are straight and supported.
- Keyboard and mouse are at elbow height.
- Elbows are close to the body, with upper arms perpendicular to the floor.
- Top of screen are no higher than eye level and at the correct distance for correct vision.

Adjust the video monitor so that:

- Avoid direct sunlight on the screen, which can cause glare and reflections. Place lights behind or to the side of work area, and distribute the lighting evenly on work area.

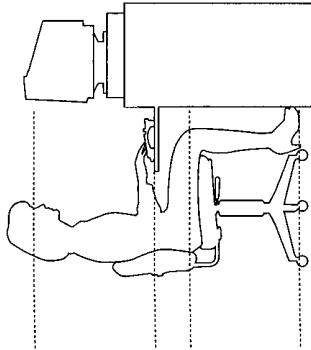
- To avoid eye fatigue, which can be caused by glare, image quality, uncomfortable furniture, eye height and incorrect vision. When facing troubles on focusing at different distances, maybe glasses use its necessary. Relax eyes periodically, looking at distant objects.

Noise

- Keep background noise at a minimum. Background noise above 65DBa is tiring. Sound Absorbing materials (curtains, carpeting and acoustic tile) can reduce background noise.

Perform Work breaks

- Morning, lunch and afternoon breaks during a 8-hours daily journey meet most recommendations. It's useful to take advantage of breaks to move around or do other activities.



When experiencing pain or discomfort while using the computer, take a rest break and review the tips given above. If the pain or discomfort continues, stop and report this condition to a physician.

ENVIRONMENTAL CONDITIONS

Temperature:

Operating: 10° C to 40° C

Non-operating: -20° C to 65° C

Humidity

Operating: 20% to 80% relative humidity (maximum wet bulb 33° C)

Non-operating: 5% to 95% relative humidity (maximum wet bulb 33° C)

Altitude

Operating: maximum height up to 2438 m

Non-operating: maximum height up to 4876 m

Shipping Vibration

IAW Federal Standard 101, method 5019

Non-Operating Shock

30G, 25ms halfsine

CLEANING AND MAINTAINING HINTS

- Unplug this product from the wall outlet before cleaning. Do not use liquids or aerosol cleaners. Use a damp cloth for cleaning.
- Apply the damp cloth over monitor or computer's cabinet gently, performing rounded movements.
- Gaps between keys or difficult access areas should be cleaned by using cotton sticks
- Avoid to touch into internal areas of monitor or computer cabinet. Also, never push objects into the cabinets as they may touch dangerous voltage points or short out parts that could result in a fire or electrical shocks.

MICROTEC TECHNICAL ASSISTANCE



Rede de assistência
microtec

The RAM - Microtec's Technical Assistance Network - cover almost whole Brazilian territory. Please refer to the list below to find out the technical assistance nearest of your location.

ACRE

Rio Branco

Assistecnica Computadores (068) 224-0100