

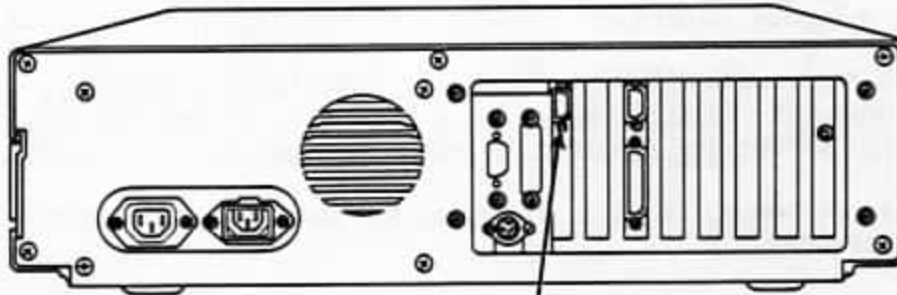
ADDENDUM TO THE KAYPRO PC USER'S GUIDE USING MONITORS

Your KAYPRO PC will have one of two configurations on the back panel. The difference between the two concerns the positioning and number of video output connectors. Use the illustrations given below to determine which configuration your computer has, and then follow the directions for that configuration.



Video Connectors

FIRST CONFIGURATION



Video Connector

SECOND CONFIGURATION

Note that with the first configuration there are two connectors marked. That is because both these connectors do the same thing; they are interchangeable.

Connecting a Monochrome Monitor

If your computer has two video connectors (the first configuration), then connect the signal cable from the monochrome monitor to either of the two video connectors on the rear panel.

If your computer has one video connector (the second configuration), then simply connect the signal cable from the monochrome monitor to the video connector on the rear panel of the computer.

Now refer to the directions in your KAYPRO PC USER'S GUIDE. The computer will function as described in that manual, with this exception: if your computer matches the second configuration (has only one video connector), then you can switch between monochrome video and simulated color video by using the program VSWITCH, described later in this addendum.

Connecting a Dual Mode Monitor

If your computer has one video connector (the second configuration), then simply connect the signal cable from the monochrome monitor to the video connector on the rear panel of the computer.

If your computer has two video connectors (the first configuration), then connect the signal cable from the monochrome monitor to either of the two video connectors on the rear panel.

Now refer to the directions in your KAYPRO PC USER'S GUIDE. The computer will function as described in that manual, with this exception: you can switch between monochrome video and simulated color video by using the program VSWITCH, described later in this addendum.

Connecting a Color Monitor

The KAYPRO PC is shipped from the factory with all its internal switches set for monochrome video. If you are going to use a color monitor then you must reset these so that the computer sends color signals to the monitor, rather than monochrome signals.

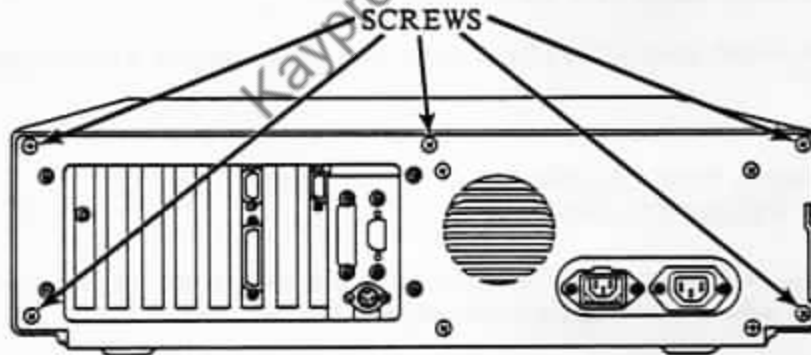
This procedure involves three steps: removing the computer cover, setting the switches, and replacing the cover.

REMOVING THE COVER

1. Prepare the work surface and tools. You should have a wide clear table that does not move or jar easily, and allows easy access to both the front and rear panels of the computer. You will need a #2 phillips screwdriver. Have a small dish or cup ready to hold the screws that will be removed.
2. Turn off the computer and unplug it from the power outlet.
3. Disconnect monitor and remove it.
4. Disconnect all cables connected to the computer.
5. Place the computer on the work surface.

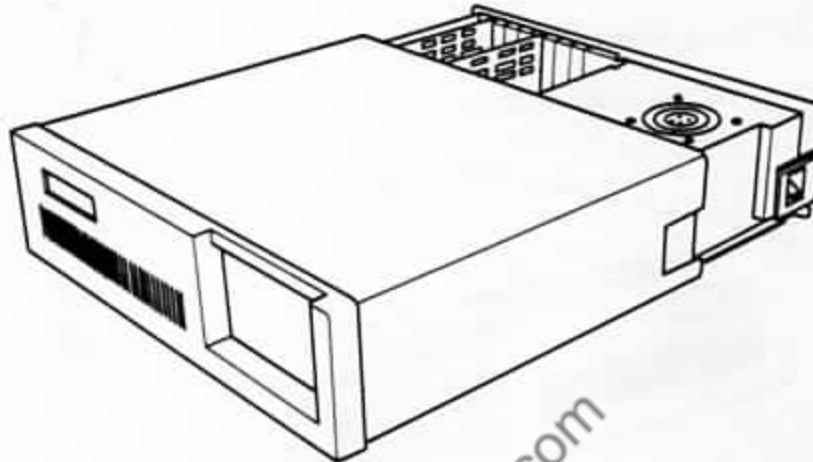


6. Remove the five screws that hold the rear panel in place.



7. While facing the front of the computer, carefully slide the cover toward you. **IMPORTANT:** make sure that the center retainer tab which is located inside the center portion of the cover, does not snag the floppy disk interface cable as you remove the cover.

Slide the cover forward until it will slide no further, move it back slightly (1/2 inch) and rotate the front upward and away. Put the cover aside.



8. To avoid damaging the computer's internal circuitry you must dissipate any static electric charge that you might have. Do this by touching any grounded metal surface: a metal lamp stand or a metal door frame.

You must determine what system configuration you have before attempting to reset the switches.

RESETTING SWITCHES FOR COLOR IF YOU HAVE ONE VIDEO CONNECTOR

If the rear panel has a single video connector, then you must adjust switches on the smallest circuit board and on a larger circuit board. To do this:

1. Stand in front of the computer, facing the drives. Directly behind the metal housing for the drives is a short (three inch) circuit board.
2. Where this board meets the metal frame of the rear panel there is a small plastic block containing eight toggle switches. You are going to change the position of one of these switches so find a tool that will do the job: a very small phillips screwdriver or very small holepunch.

3. Note the position of switch numbered two: this toggle switch is positioned to the right, away from the numeral two. Change the switch setting from monochrome to color by *Very, very carefully* moving the switch numbered two (2) to the position opposite the one it is now in; that is, move the switch from right to left, so that it is next to the numeral two.
4. Now look at the circuit board *on the far left side* of the machine. Find the point where this board contacts the front panel. Two inches toward the rear panel, down the length of the board, you will see a small block of rocker switches.
5. Switch number three of this block controls what type of video signal the computer sends. Using a very small screwdriver, *gently* move switch three to the position opposite the one it is in. That is, move switch three so that the numeral three is flush with the switch block and the entire switch is in a position opposite that of switch two.

RESETTING SWITCHES FOR COLOR IF YOU HAVE TWO VIDEO CONNECTORS

1. Stand in front of the computer, facing the drives. Look at the circuit board on the far left side of the machine. Find the point where this board contacts the front panel. Two inches toward the rear panel, down the length of the board, you will see a small block of rocker switches.
2. Switch number three of this block controls what type of video signal the computer sends. Using a very small screwdriver, *gently* move switch three to the position opposite the one it is in. That is, move switch three so that the numeral three is flush with the switch block and the entire switch is in a position opposite that of switch two.

VSWITCH - Video Switching Software

VSWITCH.COM is a program that you can use to switch the KAYPRO PC video output to and from monochrome and color graphics emulation mode. The KAYPRO PC can emulate color graphics by using varying intensities of green (or amber). This makes your monitor, in effect, two monitors in one.

VSWITCH is a RAM resident program. This means that once you run it, it sits waiting in memory until you call for it by pressing a special sequence of keys.

WARNING: If you are using a color monitor, do not use VSWITCH at all. Use WordStar in non-document mode or the line editor EDLIN to remove the VSWITCH command from the AUTOEXEC.BAT files on your working diskettes.

WARNING: If you have two video connectors and are using a monochrome monitor, do not use VSWITCH at all. Use WordStar in non-document mode or the line editor EDLIN to remove the VSWITCH command from the AUTOEXEC.BAT files on your working diskettes.

This addendum refers to the version of VSWITCH that was shipped with your machine. Disregard the description of VSWITCH in your KAYPRO PC USER'S GUIDE and follow these instructions.

The Kaypro Master Diskettes automatically make working copies of your software. As a

part of this automatic process the program VSWITCH is placed on the working copies. When you start your computer with a working diskette, VSWITCH runs automatically.

TO SWITCH TO COLOR EMULATION

Hold down the CTRL and ALT keys. Then press the less-than(<) keys, and hold all three keys down for an instant (1/2 to 1 second).

Once you are in color emulation, your monitor behaves exactly like an IBM Color Graphics Adapter. When you switch video modes, make sure that any RAM resident programs you are using can work with the video mode to which you are switching. For example you may switch from monochrome to color emulation mode and still have a program in RAM configured for a monochrome monitor. The program in RAM will expect a monochrome monitor and find a color monitor. If this happens your computer may refuse to accept input or refuse to display anything on the screen, and you will have to reset your KAYPRO PC.

TO SWITCH TO BACK TO MONOCHROME

Hold down the CTRL and ALT keys. Then press the greater-than(>) keys, and hold all three keys down for an instant (1/2 to 1 second).

When you use a working diskette created by the autocopy program you have instant access to VSWITCH, however, you may wish to run VSWITCH on a diskette that you have created.

RUNNING VSWITCH

To run VSWITCH, make sure the file VSWITCH.COM is on the diskette you are working with. If it is not, you can copy it from your MS-DOS diskette. At the system prompt:

Type: `>VSWITCH`
Press ENTER.

The program VSWITCH will run, you will see a display of its version number and the system prompt will return. Now you can use VSWITCH in exactly the manner described above.

Once VSWITCH has been run, you no longer need the diskette with VSWITCH on it. However, because VSWITCH is in RAM, resetting your computer or turning your computer off erases it. If you accidentally reset your machine, just run VSWITCH again.

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