



# Tech Info Library

## PowerBook 160 and 180: Video Output 10/92

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Security: Everyone

PowerBook 160 and 180: Video Output 10/92

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TOPIC -----

The PowerBook 160 and 180 support external video displays.

DISCUSSION -----

There is a high-density video connector on the back of the PowerBook 160 and 180, and a high-density to standard DB-15 cable is included with the unit. An additional 512K of VRAM, on the logic board, supports video output.

The following displays are supported (all 8 bits per pixel):

- Macintosh 12" Monochrome Display
- Macintosh 12" RGB Display
- AppleColor High Resolution RGB Monitor (13")
- Macintosh Portrait Display
- Macintosh 16" Color Display
- VGA Monitors (special third-party VGA cable required)
- SVGA Monitors (VGA cable, 600 x 800 screen size)

The location of the internal floppy drive requires that external displays be placed on the left side of the PowerBook.

For any display not sold by Apple, check with the vendor to make sure it will work, or test the display before buying. The VGA/SVGA cable is the same cable used to connect the Macintosh LC or LC II to a VGA monitor.

A new custom video output chip was added to the processor card, and the I/O board was modified with an additional mini-15 connector. The cable that is included turns the mini-15 into the standard DB-15 connector with standard Apple video connector pinouts. The 512K of VRAM on the logic board can not be expanded to support higher bit depth displays. The video chip will only support 256 color displays. When using external monitors the computer should be plugged in to the power adapter.

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