

Pro Visual 17" Excellence Series

ENGLISH

Pro Visual 17" Excellence Series

User's Manual

Version 1.0

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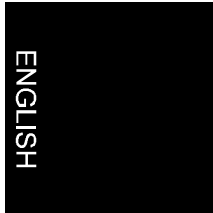
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1. Introduction

This manual allows users to install and use the Pro Visual 17" Excellence Series monitor. No further specific knowledge is required.

The Pro Visual 17" Excellence Series is a colour monitor controlled by a microprocessor. All the settings can be changed with any resolution and automatically saved. This ensures optimum image resolution.

The specifications for the monitor make it suitable for professional use. If you have to work on the computer for long hours at a time, observe the following general rules:

- Avoid having the screen in direct sunlight or some other bright source of light. This makes the screen more difficult to read.
- Make sure that your office furniture is ergonomically designed. The rules vary from country to country.
- The monitor complies with the stringent TCO'95 norm. You will enjoy the ergonomic benefits to the full if the rest of your workplace also complies with this norm.

2. Safety

Read the following instructions carefully:

1. Remove the plugs from the sockets before cleaning the device. Do not use liquid cleaning agents or spray cans. Wipe down the device with a damp cloth.
2. Never use the device in damp conditions such as bathrooms, damp cellars, swimming pools, and so forth.
3. Make sure there is nothing on the power cable. Do not place the device where the cable may be subject to wear and tear or become damaged.
4. Never insert any objects into the grooves on the outside of the device, as you may touch hazardous voltage points or components. This can cause fire or severe electric shocks.
5. Never attempt to repair the device yourself. If you open or remove the housing, you may accidentally touch parts carrying a voltage. You will also be running other risks. This device can only be maintained by specially trained staff.
6. Remove the plug from the socket under the following conditions only, and have the device repaired by specially trained staff:
 - a) the cable of the plug is damaged or worn;
 - b) liquid has ended up on the device;
 - c) the device has been in contact with rain or water;
 - d) the device is not working normally;
 - e) the device has fallen or the housing is damaged;
 - f) the device is clearly performing poorly.

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3. Installation

3.1 Securing the swivel/tilt base

- Hold the base against the bottom of the monitor so that the base hooks engage in the recesses provided.
- Press the base towards the front of the monitor until you hear a 'click'.

Note: *To disengage the swivel/tilt base from the monitor, press the lock and pull the base towards the rear of the monitor.*

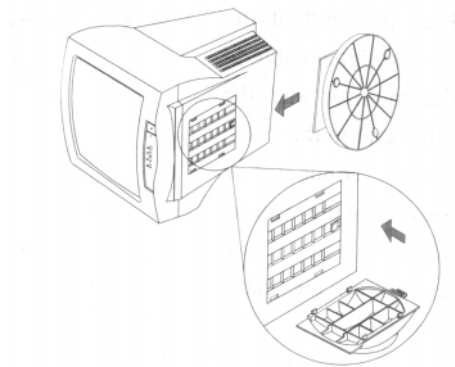


Figure 1: **Securing the swivel/tilt base**

3.2 Positioning the monitor

Position the monitor in a suitable place in the vicinity of your computer. Position the monitor so that the top of the screen is slightly above eye level.

3.3 Connecting the power cable

Connect the power cable to the monitor (A). This monitor is suitable for a power supply of 120 to 240 Volts. There is nothing to set, the monitor does this automatically.

3.4 Connecting the signal cable

Connect the 15-pin connector (B) to the rear of your computer. Turn the two connector screws to ensure a sound connection.

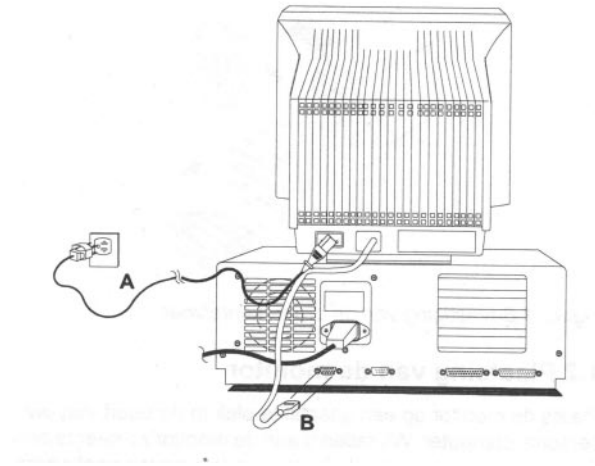


Figure 2: Connecting the power cable and signal cable

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4. Operation

4.1 Switching the monitor on and off

1. Switch on your PC. Then switch on the monitor by pressing the power switch (figure 3, button 5). The green indication lamp comes on. After a few seconds, an image will appear on your monitor.
2. If you want to switch the monitor off, press the power button again (figure 3, button 5).

Note: *If your screen is not working properly, consult the information in Chapter 5 "Trouble shooting" to see if that helps.*

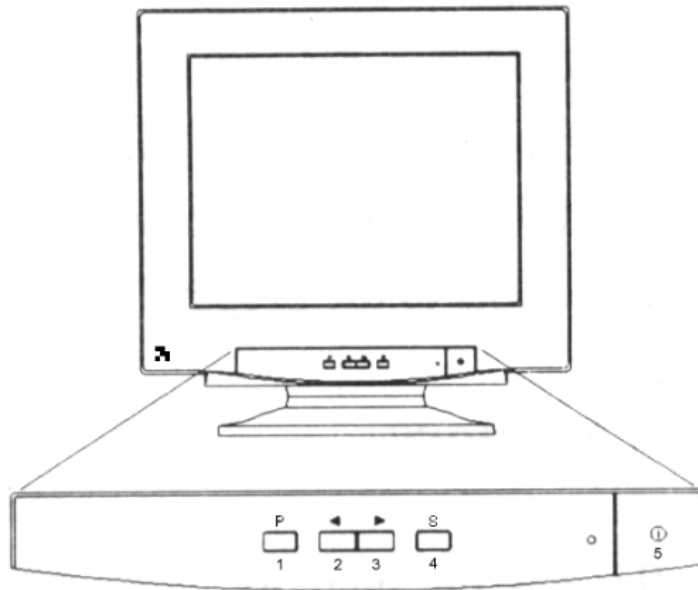


Figure 3: Operating buttons

4.2 Setting the monitor

The Pro Visual 17" Excellence Series has what is known as an 'On Screen Display' (OSD). This means that all settings can be shown in the form of pages (option menus) on the screen and can be changed that way.

Significance of the buttons:

- (1) "P" (Page): Use this button to select the pages for setting the monitor functions.
- (2) and (3) ">" "<" Select/Set: Use these buttons to select the settings in the selected page (option menu) and to change them to suit your requirements.
- (4) "S" (Save/Select/Delete): Use this button to select or save a setting, or to clear the screen.
- (5) On/off switch.

4.3 Operating functions and settings

Page 1

This menu contains 10 icons. Press "<" or ">" to move to the icon you require, and press "S" to select the required function. Then press the "<" or ">" again to change the setting.

The following functions are available: Contrast, Brightness, Horizontal Phase, Horizontal Size, Vertical Phase, Vertical Size, Pincushion, Trapezoid, Parallelogram and Tilt.

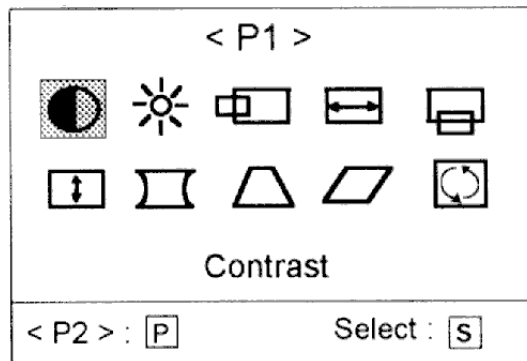


Figure 4: OSD Page 1

The screen menu will disappear if no button is pressed for 20 seconds. If you have changed settings they will be automatically saved.

Note: *If required, you can restore the original factory settings. But do bear in mind that you will then erase the entire memory contents. That means not only the settings you are currently using, but all resolutions you have ever set. Use this method as the last resort or if you have replaced your computer. To restore the factory settings, press the "<" and ">" button simultaneously to activate the restore function. A sign appears on the screen and all settings return to the original factory settings.*

Page 2

This page presents the degauss and color functions.

The degauss function (icon at top left) is used to adjust image distortions or discolorings caused by a magnetic field. Use the ">" or "<" button to go to this icon and then press on "S" to activate the degauss function.

Color Setting Memory:

5 default settings are stored from which you can make a choice. Use the ">" or "<" button to move to the setting, press "S" to select and then the "<" or ">" button to change the setting.

Note: *Always use the "S" button to store the changes.*

Table 1 shows the factory settings for color representation. These settings are defaults and cannot be changed.

Factory setting	Color Temperature (Kelvin)
C1	9300K
C2	6500K
C3	5500K
C4	7100K
C5	11500K

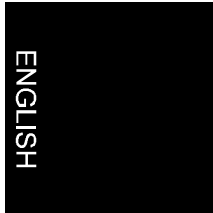


Table 1: Overview of default color settings

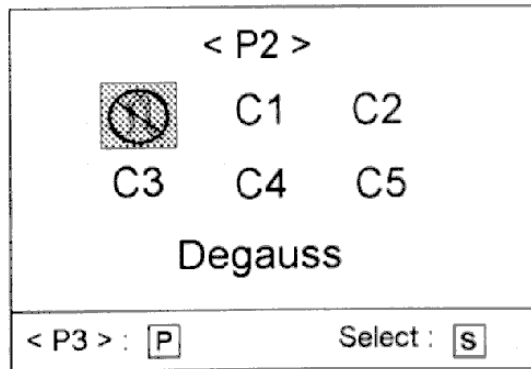


Figure 5: OSD Page 2

Page 3

This page shows the current memory position, horizontal and vertical resolution.

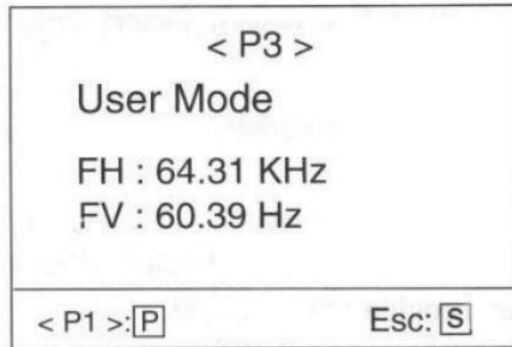


Figure 6: OSD Page 3

4.4 Energy conservation

The monitor automatically switches to various power saving modes on the basis of signals received from the videocard. This complies with the ESA standard for power saving. The monitor has 4 different positions:

Status	LED Indicator	Consumption	Recovery time
On	Green	<120 W	--
Wait	Amber	<100 W	<3 sec
Sleep	Amber	<15 W	<3 sec
Off	Amber (flashing)	<5 W	<8 sec

4.5 Display Data Channel (DDC)

The Pro Visual 17" Excellence Series Excellence supports the VESA DDC (DDC 1 and DDC 2B) standard for automatic display set up. If your monitor is connected to a PC which also supports the standard, the PC will automatically select the right monitor.

5. Troubleshooting

If your monitor is not working satisfactorily, check the possible causes and solutions in the following table.

If these fail to provide the answer, contact your dealer or the Helpdesk. Have the following details to hand to help them provide a solution quickly:

- Make and type of your monitor, the Pro Visual 17" Excellence Series.
- Make and type of your computer.
- Resolution used, for example 640 x 480.
- Language and version of your Windows program.

Problem	Possible solution
Blank screen.	Check the power switch on the monitor, power cable, the signal cable and the signal cable connection.
	Check that the PC is on.
	Adjust clarity and contrast.
The image is not in the middle.	Adjust the horizontal and vertical hold.
The image is too small/large.	Adjust the height and width of the image.
The image is too bright or too dark or the colour setting is not correct.	Adjust the clarity and contrast and set the colours to suit your needs.

Appendix A: Technical specifications

Tube size	17" (43cm), FST diagonal
Usable area	15.6 " (39.6 cm), diagonal
H-Dot Pitch	0.22 mm
N-Dot Pitch	0.26 mm
Screen area	Normally (HxW) 300x 225 mm
Number of colours	Infinite
Max. resolution	1280 x 1024
Compatibility	All graphic modes with horizontal frequencies between 30 kHz and 86 kHz
Horizontal frequency	30 to 86 kHz
Vertical frequency	50 to 120 Hz
Bandwidth	135 MHz
Incoming signal	Video RGB Analog Sync TTL Separate
Signal cable	15-pin D-connector
Power supply	
- Voltage	90 to 240 VAC
- Frequency	47 to 63 Hz
Power consumption	120 W (max)
Dimension (H x W x D)	420 x422 x 425 mm
Weight	18 kg
Op. Temp. range	5 to 40 degrees Celsius
Storage temp. range	-10 to 60 degrees Celsius
Humidity range	20% to 90% (not condensing)

Appendix B: Factory settings

Mode	Resolution	Horizontal Frequency	Vertical Frequency
VGA 400	640 x 400	31.47 KHz	70 Hz
VGA 480	640 x 480	31.47 KHz	60 Hz
8514A	1024 x 768	35.52 KHz	87 Hz
SVGA4	800 x 600	46.88 KHz	75 Hz
SVGA3	800 x 600	48.09 KHz	72 Hz
UVGA1	1024 x 768	48.37 KHz	60 Hz
UVGA2	1024 x 768	56.48 KHz	70 Hz
UAGA8	1024 x 768	68.67 KHz	85 Hz
UVGA7	1024 x 768	60.02 KHz	75 Hz
A4	1152 x 870	68.68 KHz	75 Hz
WS7	1280 x 1024	79.98 KHz	75 Hz

