

# **Pro Visual LCD 14” -Excellence Series-**

## **User Manual**

Version 1.0



## **Copyright Statement**

No part of this manual may be reproduced or transmitted, in any form or by any means, electronic or mechanical, including photocopying, recording, or information storage and retrieval systems, for any purpose other than the purchaser's personal use, without the prior written permission of the manufacturer.

## **Disclaimer Statement**

The manufacturer specifically disclaims all warranties, either express or implied, including but not limited to implied warranties of merchantability and fitness for a particular purpose, with respect to the software, the product manual(s) and written materials, and any other accompanying hardware. The manufacturer reserves the right to revise or make improvements to its product at any time and without obligation to notify any person of such revisions or improvements.

In no event shall the manufacturer be liable for any consequential or incidental damages, including any loss of business profits or any other commercial damages, arising out of the use of its product.

All company or product names are trademarks or registered trademarks or service marks of their respective owners.

## Table of Contents

<b>1. Introduction</b> .....	<b>2</b>
<b>2. Safety</b> .....	<b>3</b>
<b>3. Installation</b> .....	<b>4</b>
3.1 Positioning the monitor.....	4
3.2 Connecting the monitor .....	4
3.2.1 VGA cable.....	4
3.2.2 Speakers.....	5
3.2.3 Power supply.....	5
<b>4. Operation</b> .....	<b>7</b>
4.1 Setting up the monitor.....	7
4.2 Power saving function.....	9
4.3 Setting the sharpness .....	9
<b>5. Troubleshooting</b> .....	<b>10</b>
<b>6. Specifications</b> .....	<b>12</b>
<b>7. Factory settings</b> .....	<b>13</b>



## 1. Introduction

**This manual is for the user in order to install and use the Pro Visual LCD 14" -Excellence Series-. No specific knowledge is required for installation.**

**This monitor is suited for professional use in an office environment. Additionally, the Pro Visual LCD 14" -Excellence Series- is versatile, ergonomic and easy to use.**

### **Content of the packaging**

- LCD monitor
- Audio cable
- Power supply adapter
- Power cord
- This manual

Contact your dealer if something is missing or has been damaged.

## 2. Safety

Read the following instructions carefully before using your monitor:

1. Pull the plug from the outlet before you clean the device. Do not use cleaning fluids or spray cans on it. Instead, wipe off the device with a damp cloth.
2. Do not use this device in wet environments.
3. Make sure that nothing rests on the power cord. Do not put this device in a place where the cord can wear or be damaged as a result of traffic.
4. Never insert objects into the openings on the outside of the device, as you can come into contact with electrical points or components. This can cause fire or give strong electrical shocks.
5. Do not try and repair this device yourself. If you open or remove the casing you might accidentally come into contact with live components. You will also be taking other risks. This device may be maintained only by specially trained personnel.
6. Pull the plug from the outlet and have the device repaired by specially trained personnel when:
  - a) the cord or plug is damaged or worn
  - b) the device has come into contact with fluid
  - c) the device has fallen or its casing has been damaged
  - d) the device performs considerably worse than usual.

## 3. Installation

### 3.1 Positioning the monitor

To make optimal use of the monitor, position it:

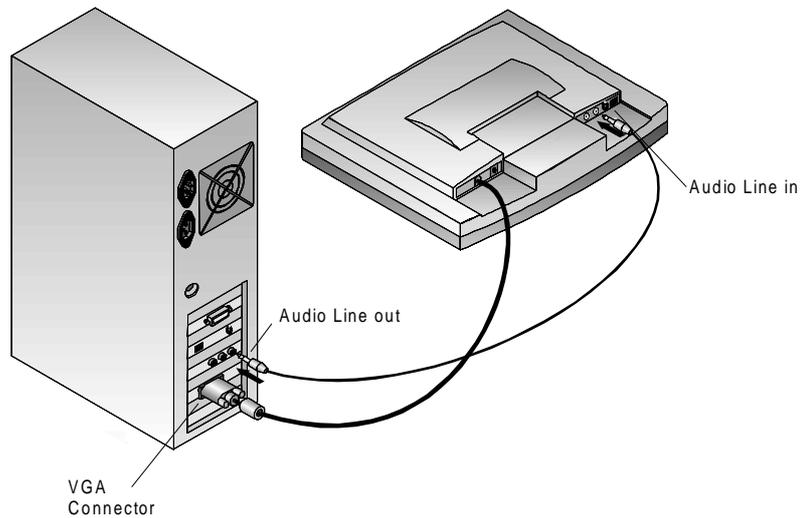
- close to your computer
- straight in front of you at a distance of 45 to 60 centimetres
- so that the upper part of the monitor is not higher than eye level
- so that you do not have any trouble from glare or reflections on the monitor.

### 3.2 Connecting the monitor

**Note:** *You can also connect this monitor to your Apple Macintosh computer. Ask your dealer for a VGA Video Adapter.*

#### 3.2.1 VGA cable

1. Turn off your computer and all the peripheral devices connected to it.
2. Connect and fasten the VGA cable of the monitor to the VGA connector of your computer (see Figure 1).



ENGLISH

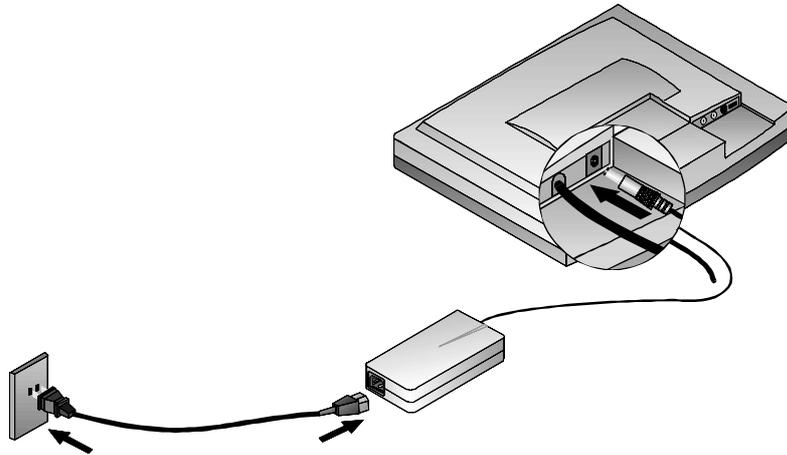
**Figure 1: VGA cable connection and audio cable connection**

### 3.2.2 Speakers

1. Connect the audio cable to the Line out connection of your sound card (see Figure 1).
2. Connect the other side of the audio cable to the Line in connection of the monitor.

### 3.2.3 Power supply

1. Connect the power supply adapter to the rear of the monitor. The connection is located next to the signal cable (see Figure 2).

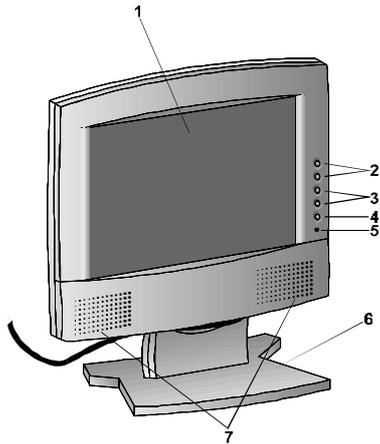


**Figure 2: Connection to power supply adapter**

2. Connect the power cord to the power supply adapter.
3. Insert the plug into the outlet.

Your monitor is now ready for use. You can turn it on by using the on/off switch.

## 4. Operation



**Figure 3: Frontal view of monitor**

1	LCD monitor	
2	Function keys	To activate the OSD and choose from menu selection
3	Adjustment keys	To adjust the menu selection
4	On/Off switch	To turn the monitor on or off
5	LED	LED is lit continuously when monitor is on and flashes in low-power mode
6	Base	
7	Speakers	

### 4.1 Setting up the monitor

This monitor is equipped with On Screen Display (OSD). This feature allows you to use your display screen to change the settings of the monitor.

The function keys (Figure 3, number 2) call the OSD to your screen (see Figure 4), after which you can scroll through menu settings. The selected function is displayed in red. The functions are shown in Table 1.

You can use the adjustment keys (Figure 3, number 3) to change the settings.



Figure 4: Main Menu of OSD

Function	Description
Contrast	Sets the contrast
Brightness	Sets the brightness
Auto Setting	Automatically sets and aligns the monitor
Vertical Position	Moves the image lower (-) or higher (+)
Horizontal Position	Moves the image to the left (-) or right (+)
Clock/Phase	Sets the image frequency (see Chapter 4.3)
Text/Graphic	Sets the text or graphical mode



Function	Description
Color Temp	Scrolls through the different settings for colour: choice of two factory settings or User Color (see below)
User Color	Adjusts the colour temperature (red, blue and green value)
Recall	Annuls all user settings
OSD Vertical Position	Moves OSD vertically
OSD Horizontal Position	Moves OSD horizontally
Audio Volume	Sets the volume of the speakers
Exit	Exits OSD and saves settings
Expansion	Enlarges the image in a resolution lower than 1024 x 768

**Table 1: OSD Functions**

## 4.2 Power saving function

This monitor meets VESA DPMS and EPA (Environmental Protection Agency) requirements for conserving energy. If the monitor is in the power-saving mode the display screen will be black and the LED will flash.

## 4.3 Setting the sharpness

Use the functions Clock and Phase to set the sharpness of the image on the screen to its optimal level.

- Set a background in Windows with a fine-lined, homogenous structure (e.g. Black Thatch).
- Open OSD and select **Clock**. Adjust the image until you get an even image without vertical lines.
- If horizontal lines appear on the screen, select **Phase** and adjust the image until it becomes smooth and clear.

## 5. Troubleshooting

If your monitor does not function according to your wishes, you might be able to fix the problem simply by checking the points mentioned in the table below.

If these suggestions do not remedy your problem, consult the Trust Internet site [www.trust.com](http://www.trust.com). If you are still unable to clear up the problem, contact your dealer or the Trust help desk. Have the following information ready for a speedy solution:

- Brand and type of your monitor
- Brand and type of your computer
- Language and version of your operating system
- Resolution used
- Refresh rate used.

<b>Problem</b>	<b>Cause</b>	<b>Possible Solution</b>
No image	Computer is not turned on	Turn on the computer
	Monitor is not turned on	Turn on the monitor with the on/off switch
	Power cord or signal cable not well connected	Check the connection cables
	Brightness and/or contrast is not properly adjusted	Set brightness and/or contrast.
Image is too small	Expansion has not been activated	Activate Expansion in the OSD
Image shifted	Horizontal or vertical position has not been set properly	Adjust horizontal or vertical position
Image is too bright or too dark	Brightness and/or contrast is set incorrectly	Adjust brightness and/or contrast

<b>Problem</b>	<b>Cause</b>	<b>Possible Solution</b>
Vertical lines (dark or light)	Clock set incorrectly	Change Clock value
Horizontal lines	Phase set incorrectly	Change Phase value
No sound	Audio cable is not connected	Check whether audio cable is connected
	Volume too low	Adjust volume in OSD
	External speakers connected	Turn on external speakers and check the volume of the external speakers
'Out of Range' appears	Refresh rate is too high	Lower refresh rate (monitor setting)



## 6. Specifications

LCD Panel	14" XGA
Dot pitch	0.27 mm
Visible size	284.9 x 213.7 mm
Number of colours	262,144
Maximum resolution	1024 x 768
Recommended resolution	1024 x 768
Response time	50 ms
Contrast ratio	1 : 150
Brightness	200 cd/m <sup>2</sup>
Horizontal synchronisation	24 - 61 kHz
Vertical synchronisation	50 - 90 Hz
Speakers	2 x 1 Watt
Voltage	Input: 230V~ / 50Hz
	Output: 12.5V= / 2.8 A
Dimensions (HxWxD)	381 x 388 x 175 mm
Weight	6.5 kg
Compliance	UL, CSA, TÜV, GS, FCC-B, VCCI, TCO 92

## 7. Factory settings

Type	Res.	H-Freq. [kHz]	V-Freq. [Hz]	Dot clock [MHz]	Expansion to full screen
NEC PC98	640 x 400	31.50	70.15	25.20	Yes
NEC PC98	640 x 400	24.83	56.42	21.05	Yes
Mac 13" mode	640 x 480	35.00	66.67	30.24	Yes
VGA	640 x 350	31.47	70.09	25.18	Yes
VESA	640 x 350	37.86	85.08	31.50	Yes
VGA	640 x 400	31.47	70.09	25.18	Yes
VESA	640 x 400	37.86	85.08	31.50	Yes
VGA	640 x 480	31.47	59.94	25.18	Yes
VESA	640 x 480	37.86	72.81	31.50	Yes
VESA	640 x 480	37.50	75.00	31.50	Yes
VESA	640 x 480	43.27	85.01	36.00	Yes
VESA	800 x 600	35.16	56.25	36.00	-
SVGA	800 x 600	37.88	60.32	40.00	-
VESA	800 x 600	48.08	72.19	50.00	-
VESA	800 x 600	46.88	75.00	49.50	-
VESA	800 x 600	53.67	85.06	56.25	-
VGA	720 x 400	31.47	70.09	28.32	Yes
VESA	720 x 400	37.93	85.04	35.50	Yes

Pro Visual LCD 14 -Excellence Series-

---