AcerView 54e (15” monitor, 13.6” viewable image)

1. Installing the Monitor

Product Package

Open the shipping carton and check the contents. If any item are missing or damaged, contact your dealer immediately.

The package should include the following items:

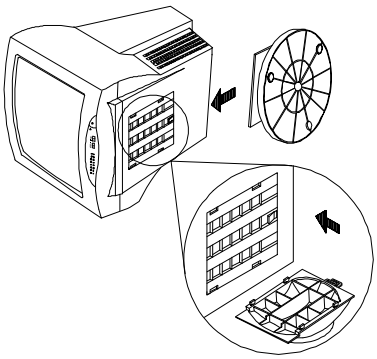
- Color monitor
- Swivel base
- User‘s guide
- Power cord
- Signal cable

Installing the Swivel Base

Follow these steps to install the swivel base:

1. Turn the monitor on its side or upside-down.

2. Insert the pegs on the swivel base into the cavities at the bottom of the monitor. Push on the swivel base until the latch clicks shut.



Installing the Monitor

This monitor is equipped with an autosensing power supply for voltage ranges 100-120VAC/200-240VAC, 60/50 Hz. Confirm the line voltage designation on the rear panel of the monitor.

Follow these steps to install the monitor:

1. Before you connect the cables, make sure that the monitor and the system unit power switches are **Off**.

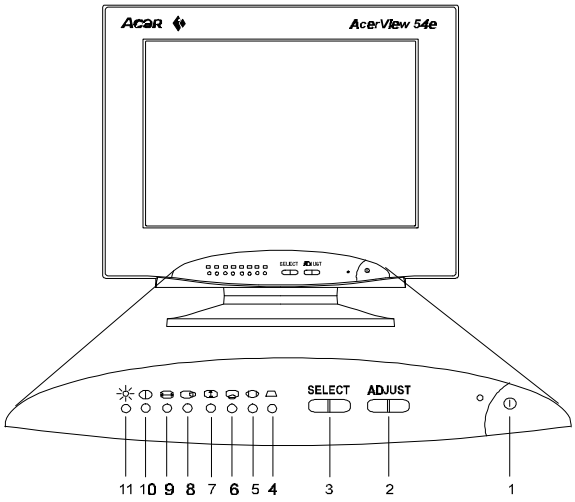
2. Plug one end of the 15-pin signal cable to the monitor and the other end to the video signal connector at the rear of the system. Tighten the two screws on the cable

connector.

3. Connect the power cable.

2. Control Functions

The monitor digital control functions are located on the front panel. They are shown in the figure below and described in the following paragraphs.



1. Power Switch
2. Adjust
3. Select
4. Trapezoid
5. Pincushion
6. Vertical Center
7. Vertical Size
8. Horizontal Phase
9. Horizontal Size
10. Contrast
11. Brightness

LED indicators

Each LED represents a different display adjustment. Use the **Select** button to choose the item to be adjusted and the **Adjust** button to change the setting.

- Brightness: Adjusts the brightness of the display.

- Contrast: Adjusts the contrast, the difference between the light and dark areas on the screen.

- H-Size: Adjusts the display width (horizontal size).

- H-Phase: Adjusts the horizontal position of the display (left or right).

- V-Size: Adjusts the vertical display height (vertical size).

- V-Center: Adjusts the vertical position of the display (up or down).

- Pincushion: Controls the concave and convex curve at the vertical edges of the display.

- Trapezoid: Controls the trapezoidal distortion on the top

or bottom of the display

The LED indicator goes off after 20 seconds of inactivity. If any settings have changed, the monitor automatically saves the new settings.

Select

Press the ⊕ or ⊖ button to cycle through the adjustment options to choose H-Phase, H-Size, V-Center, V-Size, Contrast, Brightness, Trapezoid, and Pincushion. The corresponding LED indicator lights up when selected. Use the **Adjust** buttons to change the settings.

Adjust

Adjusts the settings for H-Phase, H-Size, V-Center, V-Size, Contrast, Brightness, Trapezoid, and Pincushion. Use the **Select** button to choose the item to be adjusted and press ⊕ or ⊖ to change the setting.

Power Switch

Turns the monitor on (**I**) or off (**O**). The power switch is located at the base of the monitor. The LED indicates the ON/OFF status of the unit.

Reset

Adjusts all settings to factory defaults.

3. How To Adjust the Monitor

1. Press the **Select** key (⊕ or ⊖) to choose the item to be adjusted.
2. Press the **Adjust** key (⊕ or ⊖) to change the setting.
3. Repeat the above procedure to change other items.
4. The monitor automatically saves the new settings after 20 seconds of inactivity.

In the event that display distortion is incurred due to magnetic field interference, face the monitor to the east for the best display quality.

4. Microcontroller Features

The microcontroller automatically detects the video board installed in your system. When you turn on the monitor, the microcontroller first checks the display mode memory stored in the user setting area of the video board, and then the factory presetting area. It then adjusts to the proper display mode.

Display Modes Memory

The microcontroller has the memory capacity to store 32 different display modes, including timing formats and display settings. This memory capacity is divided into two parts: the user setting area and the factory presetting area. The former can store 20 display modes. The latter can store 12 display modes and has already stored 9 display modes.

User Setting Area

The user setting area on the microcontroller maintains in its memory the last 20 display modes set by the user. You can change the settings, or add a nonstandard mode. The microcontroller always detects and displays the last mode stored in the user setting area first when the monitor is turned on.

Factory Presetting Area

There are 9 preferred display modes preset in the microcontroller. These display modes are preset at the factory and include the most popular display modes currently available (see the Specifications section). The microcontroller searches for a proper display mode in this area if it fails to find a proper display mode in the user setting area.

5. Signal Connector Pinouts

To connect VGA, 8514A or IBM-compatible graphics adapters, use a 15-pin mini D-type male connector.

15-Pin Mini D-Type Male Connector

Pin	Assignment
1	Red Video
2	Green Video
3	Blue Video
4	Ground
5	Ground
6	Red Ground
7	Green Ground
8	Blue Ground
9	No Connection
10	Sync Ground
11	Ground
12	Serial Data I/O
13	H. Sync
14	V. Sync
15	Serial Clock Input

6. Power Saving Feature

This monitor's power saving feature complies with these VESA power saving modes:

Mode	H.Sync	V.Sync	LED	Power Consumption
Normal	On	On	Green	90 w
Stand-by	Off	On	Amber	<15 w
Suspend	On	Off	Amber	<15 w
Off	Off	Off	Amber Blinking	<5 w

The monitor uses the H.Sync and V.Sync signals to determine the operation mode to enter.

The monitor power-saving feature automatically turns off H.Sync and V.Sync if there is no input from the system for a certain period of time. To use this feature, you need a green PC that is compliant with the VESA power saving feature or a software utility to detect system input such as the keyboard or mouse.

Time Settings

Time settings are adjusted from the system unit by software. To fulfill the requirements in the NUTEK specification 803299/94 the total time from indicated inactivity to Power Saving Position A2 (VESA Off) must not be set to more than 70 minutes. We recommend you switch off the monitor when you do not intend to use it for awhile.

7. Specifications

Picture tube **Size:** **Dot pitch:** **Surface/transmission:**	 15-inch (38 cm) diagonal 0.28 mm Non-glare/semi-tinted
Maximum viewable size*	13.6-inch (34.6 cm) diagonal
Video input	15-pin, D-sub connector, analog (positive)
Bandwidth	65 MHz
Display area	270 mm x 202 mm (H x V)
Power supply (Universal) **Input voltage:** **Consumption:**	 90V~264V / 47~63 Hz 90 watts maximum
External controls	Power switch, brightness, contrast, adjust, select, pincushion, V-size, V-center, H-size, H-phase, trapezoid, reset
Horizontal frequency	30 ~ 54 KHz
Vertical frequency	50 ~ 110 Hz
Dimensions (with stand)	376 mm x 367 mm x 385 mm (W x H x D)
Weight	16 kg (35 lb)
Ambient temperature **Operating:** **Nonoperating:**	 5°C ~ 40°C 0°C ~ 60°C
Humidity **Operating:** **Storage:**	 20% ~ 90% 10% ~ 90%
X-Radiation	DHHS, PTB
Regulatory Compliance	FCC-B, UL, CSA, BZT-B CE, TÜV, D.N.S.F, VCCI, MPRII (optional)

* For VGA and most VESA display modes

8. Factory Preset Display Modes

Mode	Resolution	V. Frequency	H. Frequency
VGA	640 x 400	70 Hz	31.47 KHz
VGA	640 x 480	60 Hz	31.47 KHz
VGA	640 x 480	72 Hz	37.86 KHz
VGA	640 x 480	75 Hz	37.5 KHz
SVGA	800 x 600	60 Hz	37.88 KHz
SVGA	800 x 600	75 Hz	46.88 KHz
SVGA	800 x 600	72 Hz	48.09 KHz
Ultra VGA	1024 x 768	60 Hz	48.37 KHz
SVGA	800 x 600	85 Hz	53.67 KHz