

# ACUBRITE™

## High Bright Rugged Touch Screen



### Preface

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Version 2.0

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**Introduction**

Welcome to enjoy the fantastic sightseeing world. This new technology will bring you the whole new feeling about the "monitor". We show here some of the major advantages of the AcuBrite™ touch screen LCD monitor.

**Hardware Installation**

This section will guide you through the correct installation procedures of the monitor.

**Unpacking**

After you unpack your LCD Monitor, please make sure that the following items are included in the carton and in good condition. If you find that any of these items are damaged or missing, please contact your dealer immediately.

- AcuBrite™ touch screen LCD monitor



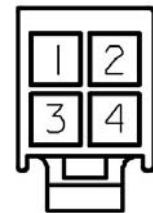
- Cable (VGA, USB, Serial, Audio)



- Power cable



Pin 1 & pin 3 --- Power  
Pin 2 --- Ground



Monitor Power connector

**Installation**

1. Turn power off for both Computer and Display before making any connection.
2. Connect the power cable (12v AC/DC adapter or 8v – 30v DC).
3. The LCD monitor comes with a 15-pin video cable; you may use this cable for both IBM PC's & compatibles and Macintosh.
4. Tighten the screws of the Display cable until the connectors are fastened securely.
5. Switch on power to the monitor, then to the computer system. Yellow LED should be on when only the monitor is powered on and green LED should be on when both monitor and computer are powered on.

The following picture provides the connection outline



**The Display Timing**

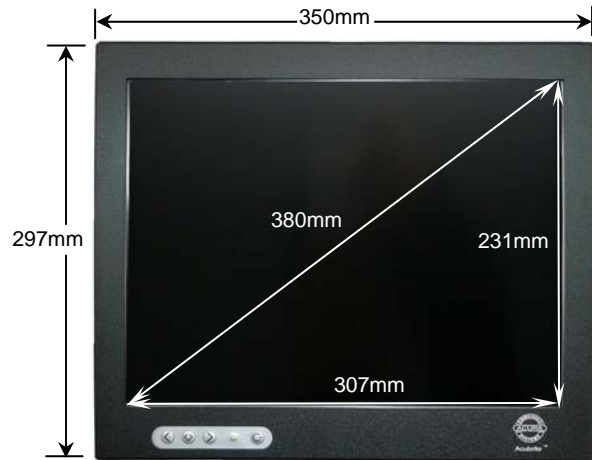
**Applicable video timing**

The following table lists the better display quality modes that the LCD monitor provides. If the other video modes are input, the monitor will stop working or display unsatisfactory picture quality.

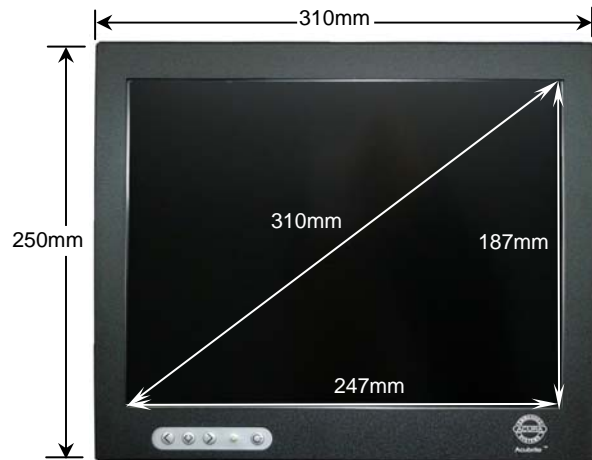
VESA Modes					
Mode	Resolution	Total	Nominal Frequency ±0.5KHz	Nominal Frequency ±0.5KHz	Nominal Pixel Clock (MHz)
DOS	720x400@70Hz	900x449	31.469	70.087	28.322
VGA	640x480@60Hz	800x525	31.469	59.940	25.175
	640x480@72Hz	832x520	37.861	72.809	31.500
	640x480@75Hz	840x500	37.500	75.000	31.500
SVGA	800x600@56Hz	1024x625	35.156	56.250	36.000
	800x600@60Hz	1056x628	37.879	60.017	40.000
	800x600@72Hz	1040x666	48.077	72.188	50.000
	800x600@75Hz	1056x625	46.875	75.000	49.500
XGA	1024x768@60Hz	1344x804	48.363	60.004	65.000
	1024x768@70Hz	1328x806	56.476	70.069	75.000
	1024x768@75Hz	1312x800	60.023	75.029	78.750
IBM Modes					
EGA	640x350@70Hz	800x449	31.469	70.086	25.175
DOS	720x400@70Hz	900x449	31.469	70.087	28.322
VGA	640x480@60Hz	800x525	31.469	75.000	31.500
XGA	1024x768@72Hz	1304x798	57.515	72.100	75.000
MAC Modes					
VGA	640x480@60Hz	800x525	31.469	59.940	25.175
SVGA	832x624@75Hz	1152x667	49.725	74.551	57.2832
XGA	1024x768@75Hz	1328x804	60.927	74.927	80.000

### The Display Outline Dimensions

Acubrite™ 15"(Weight: 9.5 pounds)

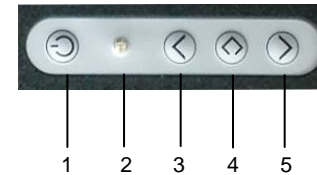


Acubrite™ 12"(Weight: 8.5 pounds)



### The Display Controls

#### Membrane Control Button



1. **POWER SWITCH:** Pushing the power switch will turn the monitor on. Pushing it again to turn the monitor off.
2. **Power LED:** Power ON-Green / Power off-No.
3. **Down Key <:** Hot key for adjusting bright level. Decrease item number or item value.
4. **Menu Key:** Enter to the OSD adjustment menu. It also used for go back to previous menu for sub-menu, and the change data don't save to memory.
5. **Up Key >:** Hot key for Cycling through 3 different input sources (1. composite, 2. S-video, 3. VGA). Increase item number or value of the selected item.

#### Screen Adjustment Operation Procedure

##### 1. Entering the screen adjustment

The setting switches are normally at stand-by. Push the **Menu Key** once to display the main menu of the screen adjustment. The adjustable items will be displayed in the main menu.

##### 2. Entering the settings

Use the **Down Key <** and **Up Key >** buttons to select the desired setting icon and push the SELECT button to enter sub-menu.

**3. Change the settings**

After the sub-menu appears, use the **Down Key <** and **Up Key >** buttons to change the setting values.

**4. Save**

After finishing the adjustment, push the SELECT button to memorize the setting.

**5. Return & Exit the main menu**

Exit the screen adjustment; push the "MENU" button. When no operation is done around 30 sec (default OSD timeout), it goes back to the stand-by mode and no more switching is accepted except MENU to restart the setting.








**The Screen Adjustment**

**Main Menu**

You can adjust the brightness, contrast, display colors, the horizontal and vertical position of the display and OSD menu, etc. through the main menu display. The **Down Key <** and **Up Key >** are used to scroll through items within the menu. The selected item is highlighted as the scrolling move along. The SELECT key is used to activate the highlighted item. During this state, MENU key is used to close the OSD menu from the screen.



**Menu key function:**

	<b>Contrast &amp; Brightness</b>	Setup the contrast and brightness.
	<b>Signal source</b>	You can set signal source.
	<b>Speaker</b>	To adjust the volume of speakers.
	<b>Color</b>	To adjust image colors.
	<b>Picture</b>	Setup the image position and size within the panel.
	<b>OSD</b>	OSD functions
	<b>Exit</b>	Exit setting

**Installing TouchKit Touch Screen Controller**

TouchKit is software which contains drivers of the touch panel controllers.

**Follow these steps to install TouchKit.**

1. Insert the CD to CD-ROM.
2. Choose the appropriate OS (for example, if you are using windows 2000 or XP, choose Win2000 / XP)

3. Follow the on-screen instructions to complete the installation.

**Configuration Utility**

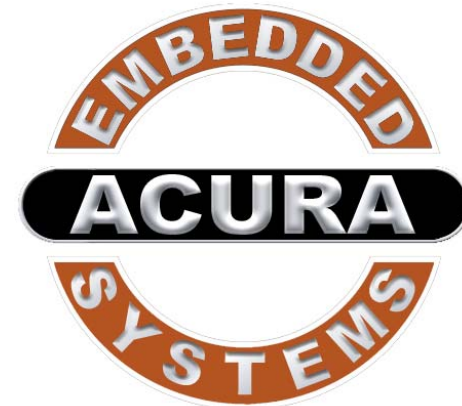
There are five property pages in TouchKit utility, and they are **General, Setting, Edge coefficient, Monitors** and **About**. Each property page contains different functions for users to do the adjustments. Therefore users can easily manage all the TouchKit controllers through TouchKit utility.

- General property page contains the functions of language selection, devices add/remove, 4 points calibration, Draw test and Advanced.
- There are three functional groups in Setting property page, and at the upper section of the property page is sound option; at the middle section is Mouse Mode; and at the lower section is Double Click Adjustment.
- Edge Coefficient property page contains the functions of Edge Compensation for Top, Bottom, Left, Right, X Axis and Y Axis.
- There are three functions in Monitors property page, and they are Multiple Monitors, Split Monitors and One Point Calibration.
- About contains the information about TouchKit

**Troubleshooting Tips**

In the event that you experience trouble with your Display, check the following items before contacting the dealer from whom the Display was purchased. The most common problems usually involve an incorrect connection from the Video Card to the Display. We recommend that you also consult your Video Card User's manual during the Troubleshooting Procedure. Do not exceed the maximum refresh rate recommended for the display.

Problem	Troubleshooting Tip
No image on display screen	<ul style="list-style-type: none"> <li>• Check that power cord of Computer has been connected securely into wall outlet or grounded extension cable or strip.</li> <li>• Check that power switch of the Display has been pressed and LED on the front of Display is lit.</li> <li>• Check that Video(Signal) cable from the Display has been securely and correctly connected.</li> <li>• Check that Video Card is firmly seated in card slot of Computer motherboard.</li> <li>• Check that the video input from the Video Card falls within the timing range</li> </ul>
Abnormal image	<ul style="list-style-type: none"> <li>• Check that the video input from the Video Card falls within the timing range.</li> <li>• Check that Video(Signal)Cable from the Display has been securely and correctly connected to the video connector at the rear side of the Computer.</li> </ul>
Colors of image on screen are abnormal	<ul style="list-style-type: none"> <li>• Check that Video(Signal)Cable from the displays has been securely and correctly connected to the 15-pin Video Connector at the rear side of the computer</li> </ul>
Disturbances on screen	<ul style="list-style-type: none"> <li>• OSD adjustment is incorrect. Please consult section for OSD screen adjustment procedures.</li> </ul>



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