

User's Manual

1.Setup for Operation

Once the circuit has been connected, a setup procedure for optimal operation is required some time. The following instructions are likely to form the basis of the finished product operation manual.

- PC Settings

The PC needs to be set to an appropriate graphics mode that has the same resolution with the LCD panel to have clear screen image. And the vertical refresh rate should be set to one of 56-75Hz, non-interlaced.

- LCD Display System Settings

The OSD(On Screen Display) provides certain functions to have clear image and others. This board supports 4 buttons OSD operation as a standard. The control functions defined on OSD operation are as below.

1) Functions on OSD Menu

OSD Menu	Descriptions
Auto Adjustment	Auto Geometry & Auto Color Balance
Auto Geometry	Automatically adjust the Horizontal position, Vertical position, Horizontal size, and Phase. In order to have good Auto Adjustment operation, You would better have full screen Window's background or characters on the screen prior to proceeding this function.
Auto Color Balance	Auto adjust the color balance of the screen
Horizontal Position	Adjust the horizontal position of the screen's image.
Vertical Position	Adjust the Vertical position of the screen's image.
Horizontal Size	Adjust the horizontal size of the screen's image.
Phase	Adjust the focus of the screen's image.
Brightness	Adjust the brightness of the screen.
Contrast	Adjust the contrast of the screen.
Color	Temperature, Red, Green & Blue
Language	Select one of the five language(English, French, German, Italian, Spanish)
Advanced	Factory Preset, Sharpness, DOS/GFX, OSD Horizontal / Vertical Position
Cancel	Ignore current changes and keep the pervious data.

2) Hotkey Function Definition

OSD KEY	Functions
DOWN	Brightness control
UP	Contrast control
SEL	Auto Geometry Adjustment

2.Applicable Graphic Mode

The microprocessor measure the H-sync, V-sync and V-sync/H-sync polarity for RGB inputs, and uses this timing information to control all of the display operation to get the proper image on a screen. This board can detect all VESA standard Graphic modes shown on the table below and provide more clear and stable image on a screen.

Spec Mode	Pixel Freq.	Horizontal Timing				Vertical Timing			
		Sync Polar	Freq	Total	Active	Sync Polar	Freq	Total	Active
	MHz	KHz	Pixel	Pixel		Hz	Line	Line	
640x350 @70Hz	25.144	P	31.430	800	640	N	70.000	449	350
640x480 @70Hz	28.287	N	31.430	800	640	P	70.000	449	400
720x400 @70Hz	28.287	N	31.430	900	720	P	70.000	449	400
640x480 @60Hz	25.175	N	31.469	800	640	N	59.940	525	480
640x480 @72Hz	31.500	N	37.861	832	640	N	72.809	520	480
640x480 @75	31.500	N	37.500	840	640	N	75.000	500	480
800x600 @56Hz	36.000	P	35.156	1024	800	P	56.250	625	600
800x600 @60Hz	40.000	P	37.879	1056	800	P	60.317	628	600
800x600 @72Hz	50.000	P	48.077	1040	800	P	72.188	666	600
800x600 @75Hz	49.500	P	46.875	1056	800	P	75.000	625	600
1024x768 @60Hz	65.000	N	48.363	1344	1024	N	60.005	806	768
1024x768 @70Hz	75.000	N	56.476	1328	1024	N	70.070	806	768
1024x768 @75Hz	78.750	P	60.023	1312	1024	P	75.030	800	768

FCC RF INTERFERENCE STATEMENT

NOTE :

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technical for help.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

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