Winmate Communication Inc.

G6A User Guide

Version: 1.0

2012

REVISION HISTORY

REVISION	*AUTHOR*	*DATE*	*DESCRIPTION*
V1.0	Raven Hsu	July, 17, 2012	Initial draft

IMPORTANT SAFETY INSTRUCTIONS

1. Please read these instructions carefully before using the product and save for later reference.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Clean the product with a damp soft cloth. Do not use liquid or aerosol cleaners as it may cause permanent damage to the screen.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table.
   The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered.
   The openings should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. This product is equipped with a 3-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet.
   Do not defeat the purpose of the grounding-type plug.
9. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
10. If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord does not exceed the extension cord ampere rating. Also make sure that the total of all products plugged into the wall outlet does not exceed 15 amps.
11. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
12. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks and will void the warranty. Refer all servicing to qualified service personnel.
13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

-When the power cord or plug is damaged or frayed.

-If liquid has been spilled into the product.

-If the product has been exposed to rain or water.

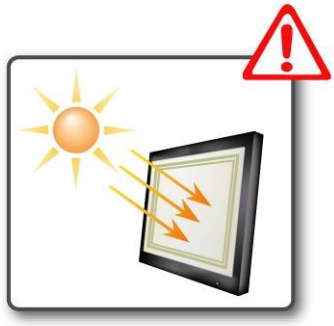
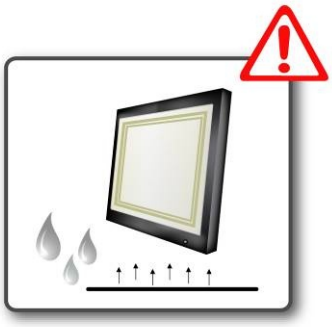
-If the product does not operate normally when the operating instructions are followed. Adjust

only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

-If the product has been dropped or the cabinet has been damaged.

-If the product exhibits a distinct change in performance, indicating a need for service.

-If the option module is in installation (the module is still not plugged into the slot)

CAUTION		
Read manual prior to installing the product. The operation of products depends on you reading and following the information in this manual. Re-check your work prior to operating the product.		
EVENT	**EFFECT**	**PREVENTION**
	Sunlight shines directly will cause the panel damage.	You should avoid placing the product under direct sunlight.
	If the product is close to the wet ground such as grassplot, the moisture between panel and glass will make the product malfunction.	You should avoid placing the product in wet environment.

Contents

1. Introduction

1.1. About the Product

This product is a high quality TFT LCD panel control card. G6A is design for 10 bit panel; It is designed to meet the demanding performance requirements of today's business and industrial applications.

1.2. Notice

a. Do not touch the LCD panel surface with sharp or hard objects.

b. Do not use abrasive cleaners, waxes or solvents for cleaning, use only a dry or damp, soft cloth.

c. Use only with a high quality, safety-approved, AC/DC power adapter.

1.3. Check List

Before using this monitor, please make sure that all the items listed below are present in your package

1. VGA cable	x1
2. AC to DC adapter	x1
3. Power cable	x1
4. User manual	x1
5. DVI cable (optional)	x1
6. video cable (optional)	x1
7. audio cable (optional)	x1

If any items are missing or damaged, please contact your dealer immediately.

2. Remote Control

2.1. Install Battery in the Remote Control

Insert two AAA Alkaline batteries and match the (+) and (-) on battery to the marks inside the battery compartment.

Service life of battery:

1. The battery normally last for about one year although this depends on how often and for what operations the remote control is used.
2. If the remote control unit fails to work even then it's operated near the player, please replace the battery.

2.2. Remote Control Key Definitions

Key	Function	Description
⏻	Power	Power on/off
AUTO	Auto	Auto Adjust
SOURCE	Source	Switch input source
MENU	Menu	Display OSD menu
+ / −	Volume	Adjust volume
PIP	PIP	Perform PIP mode
EXIT	Exit	Return to the previous menu level
RESET	Reset	Factory reset
SCALING	Scaling	Change the scaling mode to 1:1, Fill or aspect
A-COLOR	Auto-color	perform Auto-Color Balance
MUTE	Mute	Mute
▲/▼ ◄/►	Select	Navigating to Up/Down/Left/Right
ENTER	Enter	Execute

3. G6A Kit Memo (Optional for 24V input DC solution)

Warning:

1. See the instruction if the DC adapter is 12V or 24V. If the DC adapter is 24V DC, need to come with "24V to 12V power transfer board".

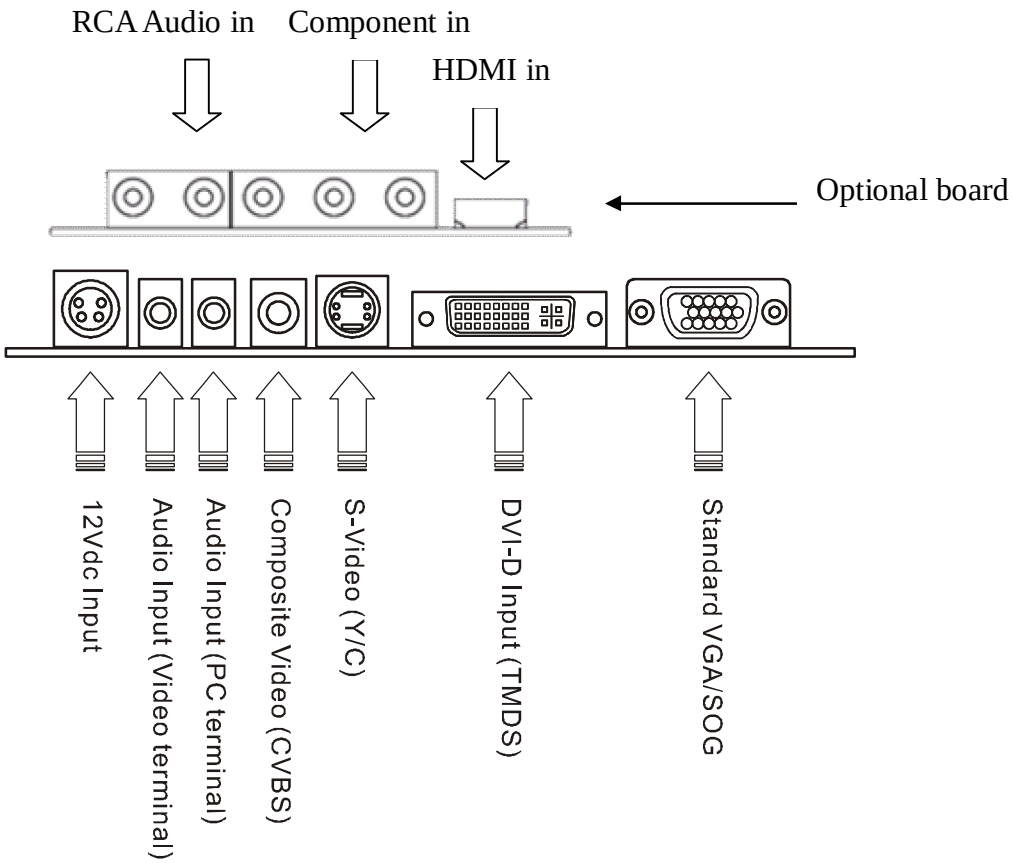
2. 24V to 12V Power transfer board installation Guide:

BEFORE connecting power cord to AC outlet, please ensure **ADAPTER CABLE**, **POWER CABLE to AD BOARD** and **INVERTER CABLE** have been connected. This action prevents volt converter board (GAP-130) from noise issue. This issue does not influence any function.

4. Input Signals Overview

The default input signal is VGA for the main display and S-Video for PIP display. The LCD output can be configured to use any of the available input formats (VGA, DVI, S-Video, and Composite).

G6A Monitor Connectors



4.1. Power & Signal Connections

4.1.1. Power:

Switch off the power on both your monitor and your computer.

The Power Switch is located at the leftmost button of the keypad.

4.1.2. Power cable connection:

Connect the power cord to the AC outlet, and connect the power to the monitor through the AC/DC adapter.

4.1.3. VGA cable connection:

Plug 15-pin VGA signal cable to the VGA connector in the rear of PC system, and plug the other end to the monitor.

Secure cable connectors with screws.

4.2. Optional Cable Connections

The LCD monitor is designed to work with a variety of compatible video sources. Due to the possible deviations between these video sources, you may have to make adjustments to the monitor settings from the OSD menu when switching between these sources.

4.2.1. DVI cable connection (Optional):

Plug the DVI signal cable to the DVI connector in the rear of the PC system, and plug the other end to the monitor.

Secure cable connectors with screws.

4.2.3 RS232 cable connection (Optional):

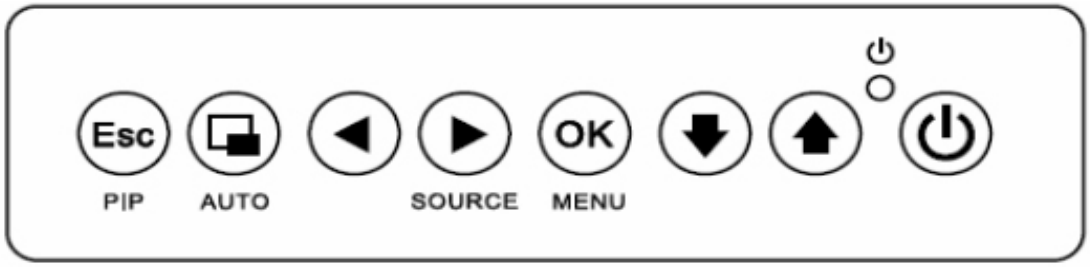
You will be able to develop your own application software utilizing the built-in RS232 command code. The application software can send command from PC to LCD monitor via RS232 port to control LCD monitor. Please refer to Appendix B for built-in RS232 command code.

5. Using the LCD Monitor

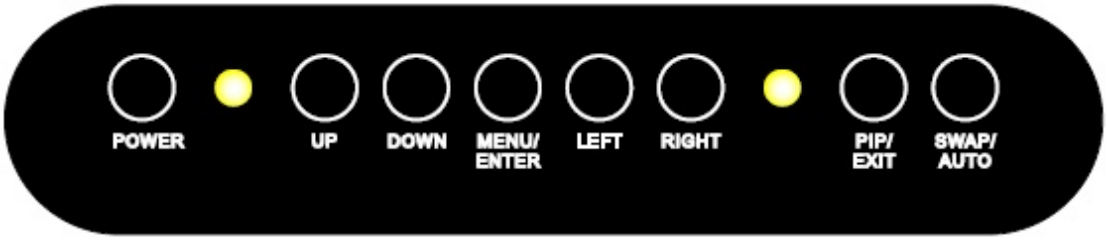
5.1 OSD Key Definition OSD Key Definition

There are two types OSD keypad for G6A board, the type of OSD varies according to the housing of the LCD monitor. Type B is standard OSD keypad for kit.

Type A.



Type B



a. **POWER**

Initiates power-up sequence from low power mode or enters low lower mode from normal operation.

b. **AUTO**

Perform Auto Adjustment

c. **Esc**

i. When OSD is enabled, it returns to the previous menu level or closes the OSD if pressed at the Main Menu level.

d. **OK/MENU**

i. When OSD is disabled, it displays the OSD Main Menu.

ii. When OSD is enabled, it confirms a selection.

e. **LEFT** ◄

Moves left in the menu or bar

f. **RIGHT** ►

Moves right in the menu or bar

g. **UP** ▲

i. Selects the previous item in the Menu.

h. **DOWN** ▼

i. Selects the next item in the Menu.

5.2 OSD Hot Keys (Auto)

Function	Hot Key
Main source	Press "▶" to select the main source
Volume	Press "◀" to the volume bar, and press "◀" "▶" to adjust the volume
Auto adjustment	Press "AUTO" to perform auto adjustment

5.3 OSD Menu System

5.3.1 Display settings

OSD icon	Sub menu	Settings	Note
	**BRIGHTNESS**	**slider bar**	
	Adjusts the overall image and background brightness. Press "◀" or "▶" to adjust.		
	CONTRAST	**slider bar**	
	Adjusts the image brightness in relationship to the background. Press"◀" or "▶" to adjust.		
	SHARPNESS *VIDEO CHANNEL ONLY	**slider bar**	
	Adjusts the crispness of the image. Press"◀" or "▶" to adjust.		
	ADC BRIGHTNESS	**slider bar**	
	HUE *VIDEO CHANNEL ONLY	**slider bar**	
	SATURATION * VIDEO CHANNEL ONLY	**slider bar**	
	COLOR TEMPERATURE *VGA & DVI & Option Channel	**USER/6500K/9300K**	
	Adjusts the color temperature of the entire screen. A low color temperature will make the screen reddish. A high color temperature will make the screen bluish.		
	COLOR CONTROL *VGA & DVI & Option Channel	**R slider bar**	
		G slider bar	
		B slider bar	
	Adjusts the levels of the Red, Green, Blue. Press"◀" or "▶" to adjust.		
	GAMMA SELECTION	**@NATIVE**	
		@1.8	
		@2.2	
	Select a display gamma value for best picture quality.		
	DISPLAY RESET	**YES/NO**	
	Resets the following settings within the PICTURE menu back to factory setting:		

5.3.2 Adjust settings

AUTO SETUP *VGA CHANNEL ONLY	**PRESS YES TO AUTO SETUP**		
Automatically adjusts screen size, H position, V position, Clock, Clock Phase			
AUTO ADJUST *VGA CHANNEL ONLY	**ON/OFF**		
H Position, V Position and Clock Phase are adjusted automatically upon power on.			
H POSITION *VGA CHANNEL ONLY	**slider bar**		
Controls the horizontal position of the image within the Display area of the LCD. Press + to move right. Press - to move left.			
V POSITION *VGA CHANNEL ONLY	**slider bar**		
Controls the vertical position of the image within the Display area of the LCD. Press + to move up. Press - to move down.			
CLOCK *VGA CHANNEL ONLY	**slider bar**		
Press + to expand the width of the image on the right of the screen. Press - to narrow the width of the image on the left.			
PHASE *VGA CHANNEL ONLY	**slider bar**		
Adjusts the visual “noise” on the image.			
WHITE BALANCE *VGA CHANNEL ONLY	**YES/OFF**		
Perform the white balance			
SCALING	**@DYNAMIC**		
	@ASPECT		
	@OFF		
	@CUSTOM	ZOOM slider bar	
		H ZOOM slider bar	
		V ZOOM slider bar	
		H POS. slider bar	
		V POS. slider bar	
ADJUST RESET	**YES/NO**		
Resets the following settings within the image menu back to factory setting:			

5.3.3 Audio settings

VOLUME	**slider bar**	
BALANCE	**slider bar**	
TREBLE	**slider bar**	
BASS	**slider bar**	
MUTE	**ON/OFF**	
AUDIO RESET	**YES/NO**	
Resets “AUDIO” options back to factory settings.		

5.3.4 Schedule

OFF TIMER	**ON/OFF**	
	xx HOUR(S) (xx=1-24)	
Sets the monitor to power off after a length of time between 1 and 24 hours.		
SCHEDULE SETTINGS	**ON/OFF**	
	INPUT	
	ON hh:mm	
	OFF hh:mm	
Creates a working schedule for the monitor to use. See section 5.4		
DATE & TIME	**YEAR**	
	MONTH	
	DAY	
	TIME	
	CURRENT DATE TIME	**mmm.dd.yyyy** **hh:mm**
Sets the date, time, and daylight saving region. Date & time must be set in order for the “SCHEDULE” function to operate.		
TIME OSD	**ON/OFF** **TOP RIGHT** **TOP LEFT** **BOTTOM RIGHT** **BOTTOM LEFT**	
Select to show current time on screen		
SCHEDULE RESET	**YES/NO**	
Resets the following settings within the SCHEDULE menu back to factory setting:		

5.3.5 PIP (Picture in picture) settings

KEEP PIP MODE	**ON/OFF**	
Allows the monitor to remain in “PIP” mode after powering off. When Power is returned, PIP appears without having to enter the OSD.		

	PIP SOURCE	VGA	
		DVI(optional)	
		CVBS(optional)	
		S-VIDEO(optional)	
		COMPONENT(optional)	
		HDMI(optional)	
	PIP MODE	@OFF	
		@PIP	
		@POP	
		@SIDE BY SIDE ASPECT	
		@SIDE BY SIDE FULL	
	PIP SIZE	@SMALL	
		@MIDDLE	
		@LARGE	
	Selects the size of the sub-picture used in Picture-in-Picture (PIP) mode.		
	PIP POSITION	slider bar	
		slider bar	
	Determines where the PIP appears on the screen.		
	PIP RESET	YES/NO	
	Resets the following settings within the PIP menu back to factory setting		

***PIP mode selection guide**

X : not support V : support mode

Main \ Sub	HDMI	CVBS	S-Video	Component	VGA	DVI
HDMI	X	V	V	V	V	X
CVBS	V	X	X	X	V	V
S-Video	V	X	X	X	V	V
Component	V	X	X	X	V	V
VGA	V	V	V	V	X	V
DVI	X	V	V	V	V	X

5.3.6 OSD settings

OSD TURN OFF	**slider bar**	
Turns off the OSD after a period of inactivity. The preset choices are 0-60 seconds.		
OSD POSITION	**H - slider bar**	
	V - slider bar	
Determines the location where the OSD appears on the screen.		
INFORMATION	**ON/OFF**	
	slider bar (3-10sec)	
MONITOR INFORMATION	**Version**	
	Panel Resolution	
	Main Resolution	
	PIP Resolution	
BIOS version information		
OSD TRANSPARENCY	**@OFF**	
	@TYPE1	
	@TYPE2	
set the transparency level of OSD		
OSD RESET	**YES/NO**	
Resets the following settings within the OSD menu back to factory setting		

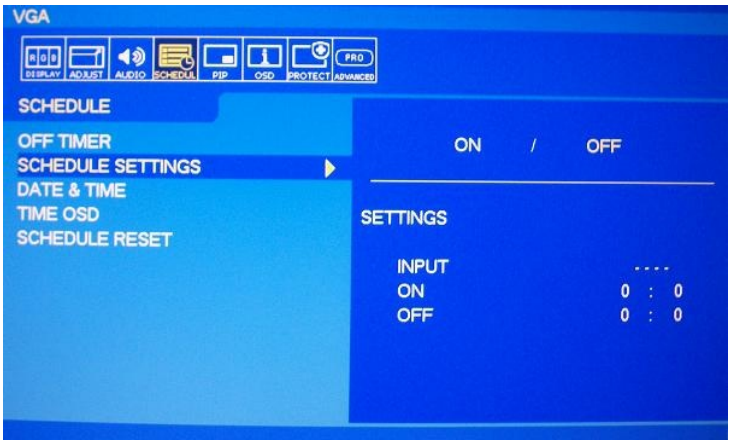
5.3.8 Protection settings

HEAT STATUS	**FAN STATUS**	
Displays status of the COOLING FAN and TEMPERATURE.		
FAN CONTROL *Optional temperature sensor	**COOLING "ON/AUTO/OFF"**	
	SENSOR1 slider bar	
	SENSOR2 slider bar	
Cooling fan reduces the temperature of the display. See section 5.5		
SCREEN MOTION	**slider bar xx Sec (xx: 0-300)**	
Use the SCREEN MOTION function to reduce the risk of Image Persistence.		
AUTO BRIGHTNESS *Optional light sensor	**ON/OFF**	
Turn on or off the ambient light sensor function		
PROTECTION RESET	**YES/NO**	
Resets the following settings within the Protection menu back to factory setting.		

5.3.9 Advanced settings

INPUT DETECT	**@NONE**	
	@AUTO DETECT	
	@VIDEO FIRST	
Selects the method of input detection the monitor uses when more than two input devices are connected. **AUTO DETECT** mode: When the default mode, VGA signal, is not detected, the system will search for an input signal. The order for auto detect is VGA, composite video, and than s-video . The system will cycle through all three modes always. When the system not detecting any input signal, the monitor will display black screen (sleeping mode). System can only weak up from sleeping mode when input signal is detected. **VIDEO FIRST:** Always on composite mode unless a user manually switched to a different mode.		
CHANNEL SELECT	**VGA**	
	DVI	
	CVBS	
	S-VIDEO	
	Component	
	HDMI	
Select the input signal source		
SCAN MODE *Video Mode ONLY	**OVER SCAN / UNDER SCAN**	
Set the mode of San. **Over Scan:** Image size is larger than what can be displayed. The image edge will appear cropped. Approximately 95% of the image will be shown on the screen **Under Scan:** Image size stays within the display area. The whole image is displayed on the screen.		
BRIGHTNESS MIN	**Slide bar**	
ADVANCED RESET	**YES/NO**	
Resets the following settings within the ADVANCED OPTION menu back to factory setting		
FACTORY RESET	**YES/NO**	
Resets OSD options back to factory settings EXCEPT FOR: CHANGE SECURITY PASSWORD and SECURITY PASSWORD.		

5.4 Scheduling settings



1. Enter the SCHEDULE menu. Highlight SCHEDULE SETTING using the UP "▲" and DOWN "▼" buttons. Press the OK button to enter the Settings menu. Press "◄" or "►" to turn on or off the function. The schedule can now be programmed.

2. Use the UP "▲" and DOWN "▼" button to select INPUT menu. Press "◄" or "►" buttons to choose the input source.

3. After the INPUT source is selected, use the down "▼" button to the hours setting in the ON timeslot. Use the "◄" and "►" buttons to set the hour. Use the UP "▲" and DOWN "▼" buttons to highlight the minutes setting. Use "◄" and "►" buttons to set the minutes. Set the OFF time in the same manner.

4. After a schedule is programmed the remaining schedules can then be set. Press ESC to go back to the previous menu.

5.5 Temperature sensor settings

The G6A board gets temperature value from temperature sensor boards and activates the cooling fan to cool down the system. If the temperature exceeds the value, the fans will start to work. User can adjust the trigger value according to different applications and environments. G6A also support 3 modes to control the cooling system, the comparison table is below.

FAN CONTROL	FAN STATUS	
ON	FAN always ON	
OFF	FAN always OFF	
AUTO	UESR DEFINE	

SENSOR1

Use the slide bar to set the temperature. When sensor temperature is higher than the temperature what user set. Then the fan will turn on.

SENSOR2

Use the slide bar to set the temperature. When sensor temperature is higher than the temperature what user set. Then the fan will turn on.

6. Cleaning the Monitor

1. Make sure the monitor is turned off.
2. Never spray or pour any liquid directly on the screen or case.
3. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
4. The display area is highly prone to scratching. Do not use ketone type material (ex. Acetone), Ethyl alcohol, toluene, ethyl acid or Methyl chloride to clear the panel. It may permanently damage the panel and void the warranty.
5. If it is still not clean enough, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.
6. Don’t use water or oil directly on the monitor. If droplets are allowed to drop on the monitor permanent staining or discoloration may occur.

7. Disclaimer

We do not recommend using any ammonia or alcohol-based cleaners on the monitor screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the monitor. Seller will not be liable for damage resulting from the use of any ammonia or alcohol-based cleaner.

8. Troubleshooting

If your monitor fails to operate correctly, consult the following chart for possible solution before calling for repairs:

Condition	Check Point
1. The picture does not appear	ı Check if the signal cable is firmly seated in the socket. ı Check if the Power is ON at the computer ı Check if the brightness control is at the appropriate position, not at the minimum.
2. The screen is not synchronized	ı Check if the signal cable is firmly seated in the socket. ı Check if the output level matches the input level of your computer. ı Make sure the signal timings of the computer system are within the specification of the monitor. ı If your computer was working with a CRT monitor, you should check the current signal timing and turn off your computer before you connect the VGA Cable to this monitor.
3. The position of the screen is not in the center	ı Adjust the H-position, and V-position, or Perform the Auto adjustment.
4. The screen is too bright (too dark).	ı Check if the brightness or contrast control is at the appropriate position, not at the Maximum (Minimum).
5. The screen is shaking or waving	ı Perform the Auto adjustment.. ı Moving all objects which emit a magnetic field such as motor or transformer, away from the monitor. ı Check if the specific voltage is applied. ı Check if the signal timing of the computer system is within the specification of monitor.

If you are unable to correct the fault by using this chart, stop using your monitor and contact your distributor or dealer for further assistance.

Appendix A: Supported Modes

Graphics

No.	Resolution	Frequency (Hz)	Note
1	640x350	70	IBM
2	640x350	85	VESA
3	640x400	56	
4	640x400	70	IBM
7	640x480	75	VESA
8	640x480	80	VESA
9	720x350	70	IBM
10	720x400	70	IBM
11	720x400	85	VESA
12	800x600	56	VESA
13	800x600	60	VESA
14	800x600	72	VESA
15	800x600	75	VESA
16	800x600	85	VESA
17	1024x768	60	VESA
18	1024x768	70	VESA

No.	Resolution	Frequency (Hz)	Note
19	1024x768	72	IBM
20	1024x768	75	VESA
21	1024x768	85	VESA
22	1280x768	60	
23	1280x960	60	VESA
24	1280x960	85	VESA
25	1280x1024	60	VESA
26	1280x1024	60	HP
27	1280x1024	67	IBM
28	1280x1024	70	NCD
29	1280x1024	72	HP
30	1280x1024	75	VESA
31	1280x1024	85	VESA
32	1600x1200	60	VESA
33	1920x1200	60	CVT RB
34	1366x768	60	VESA
35	1920x1080	60	VESA

Video (Composite / S-Video)

No.		
1	NTSC / 480I / 525I	720 x 240 x 60Hz
2	PAL / 576I /625I	720 x 288 x 50Hz

Not all modes will be supported, due to different panel brands

Component (Optional)

No.	Resolution
1	NTSC
2	PAL
3	480P
4	576P
5	720P
6	1080i

HDMI (Optional)

No.	Resolution
1	480i
2	480P
3	576i
4	576P
5	720P
6	1080i
7	1080P

Appendix B: Using RS-232 Command Code to set system (Optional)

Name	Length	Value	Comment
Message	variable		

Checksum	1	2's complement of sum of Length and Message	byte chksum = 0;
			for (i = 0; i < buffer_size; ++i)
			chksum += buf[i];
			chksum = ~chksum + 1;

RS232 setting:

Baud Rate = 115200, Data Bits=8, Parity = None, Stop Bits=1

Function	Length	Command	ID	index	Value	checksum
Power	0x05	0x40		0x00	0=Power On，1=Power Off	
Auto	0x05	0x40		0x01		
Recall	0x05	0x40		0x02		
WhiteBalance	0x05	0x40		0x03		
Main Input Source	0x05	0x40		0x04	0=VGA, 1=DVI, 2=CVBS, 3=S-Video 4=Component, 7=HDMI	
Pip Input Source	0x05	0x40		0x05	0=VGA, 1=DVI, 2=CVBS, 3=S-Video 4=Component, 7=HDMI	
Brightness	0x05	0x40		0x10	0x00-0x64	
Contrast	0x05	0x40		0x11	0x00-0x64	
InterBright	0x05	0x40		0x14	0x00-0x64	
PIP	0x05	0x40		0x20	0=Off,1=PIP, 2=PoP, 3=side by side aspect, 4=side by side full	
PIP Size	0x05	0x40		0x21	1=Small,2=Middle,3=Large	
Scaling	0x05	0x40		0x22	0=Off, 1=COSTOM, 2=Aspect	
Camma	0x05	0x40		0x31	0=Off,1=1.8,2=2.2	
Color Temp	0x05	0x40		0x32	0=user,1=6500K,2=9300K	
Color-R	0x05	0x40		0x33	0x00-0x64	
Color-G	0x05	0x40		0x34	0x00-0x64	
Color-B	0x05	0x40		0x35	0x00-0x64	
Volume	0x05	0x40		0x50	0x00-0x1F	

Balance Hue	0x05 0x05	0x40 0x40		0x51 0x12	0x00-0x64 0x00-0x64	
Saturation	0x05	0x40		0x13	0x00-0x64	
Treble	0x05	0x40		0x52	0x00-0x14	
Bass	0x05	0x40		0x53	0x00-0x14	
Mute	0x05	0x40		0x54	0=Mute On,1=Mute OFF	

Reply Value：

ACK	3 C F1	Transmission PASS
NSP	3 D F0	Transmission FAILED
NCK	3 B F2	Not support

Format： Length, Command, ID, index, Value, Checksum

Example：0x06, 0x40, ID, 0x00, 0x01, Checksum => Power Off system.

Appendix C : Using RS-232 Command Code to check system status (optional)

Name	**Length**	**Value**	**Comment**
Message	variable		

Checksum	1	2's complement of sum of Length and Message	byte chksum = 0;
			for (I = 0; I < buffer_size; ++I)
			chksum += buf[i];
			chksum = ~chksum + 1;

Command(Tx)						Acknowledgement(Rx)				
function	Length	Command	ID	index	checksum	Length	ID	index	Value	checksum
Power	0x04	0x30		0x00		0x04		0x00	0=Power On，1=Power Off	
Main Input Source	0x04	0x30		0x04		0x04		0x04	0=VGA, 1=DVI, 2=CVBS, 3=S-Video 4=Component, 7=HDMI	
Pip Input Source	0x04	0x30		0x05		0x04		0x05	0=VGA, 1=DVI, 2=CVBS, 3=S-Video 4=Component, 7=HDMI	
Brightness	0x04	0x30		0x10		0x04		0x10	0x00-0x64	
Contrast	0x04	0x30		0x11		0x04		0x11	0x00-0x64	
InterBright	0x04	0x30		0x14		0x04		0x14	0x00-0x64	
PIP	0x04	0x30		0x20		0x04		0x20	0=Off,1=PIP, 2=PoP, 3=side by side aspect, 4=side by side full	

PIP Size	0x04	0x30		0x21		0x04		0x21	1=Small,2=Middle,3=Large	
Scaling	0x04	0x30		0x22		0x04		0x22	0=1:1,1=FILL,2=Aspect	

Camma	0x04	0x30		0x31		0x04		0x31	0=Off,1=1.8,2=2.2	
Color Temp	0x04	0x30		0x32		0x04		0x32	0=user,1=6500K,2=9300K	
Color-R	0x04	0x30		0x33		0x04		0x33	0x00-0x64	
Color-G	0x04	0x30		0x34		0x04		0x34	0x00-0x64	
Color-B	0x04	0x30		0x35		0x04		0x35	0x00-0x64	
Volume	0x04	0x30		0x50		0x04		0x50	0x00-0x1F	
Balance	0x04	0x30		0x51		0x04		0x51	0x00-0x64	
Hue	0x04	0x30		0x12		0x04		0x30	0x00-0x64	
Saturation	0x04	0x30		0x13		0x04		0x30	0x00-0x64	
Treble	0x04	0x30		0x52		0x04		0x52	0x00-0x14	
Bass	0x04	0x30		0x53		0x04		0x53	0x00-0x14	
Mute	0x04	0x30		0x54		0x04		0x54	0=Mute On,1=Mute OFF	

Reply Value：

ACK	3 C F1	Transmission PASS
NSP	3 D F0	Transmission FAILED
NCK	3 B F2	Not support

Format： Length, Command, ID, index, Checksum / Length, ID, Index, Value, Checksum