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Notice:

Please read the following words before assembling and using this monitor.

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41CD785-608-4B

FCC Class B Radio Frequency Interference Statement WARNING: (FOR FCC CERTIFIED MODELS)

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:

- 1. Reorient or relocate the receiving antenna.
- 2. 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.
- 4. Consult the dealer or an experienced radio/TV technician for help.

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Notice:

- 1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

WARNING AND CAUTION

1. STOP OPERATING THE MONITOR WHEN YOU SENSE TROUBLE.

Please unplug the monitor immediately if you notice any abnormal phenomena such as smoke, strange sounds or fumes. Further use may be dangerous and can cause fire or electric shock.

2. NEVER REMOVE THE CABINET

High voltage inside the monitor, may be electric shocked if removing cabinet. Non-professor never remove the cabinet.

3. DO NOT PUT ANY OBJECT INTO THE MONITOR.

The ventholes of the monitor is to sink thermal. If blocked or covered, monitor maybe damage because of overheating. Using the monitor with any object inside may cause fire, electric shock or damage.

4. DO NOT PLACE THE MONITOR NEAR THE WATER

The monitor maybe damage if water is inside. Do not use the monitor where water may be splashed or spilt on the monitor as it may cause fire or electric shock.

5. PROTECT YOUR POWER CORD AND SIGNAL CABLE

Do not pull or bend the power cord and signal cable. Do not place the monitor or any other heavy objects on the cables. If damaged, the cables may cause fire or electric shock.

6. NOTICE THE WEATHER

Do not use monitor immediately if brought it into the warm house from cold environment. Coagulate bead may cause the monitor short circuit and damage. Before operating the device, wait until it is absolutely dry.

Unplug the monitor while thunder!

7. PLACE THE MONITOR AT THE RIGHT PLACE

Do not place the monitor near heating source, against a bright background or duct position. Do not make it near other electronics, such as speaks, TV. There should be more than 50 cm between two monitors. The position should be ventilation, and bright could not reach the front, side, back of the monitor straight.

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8. CLEANING YOUR MONITOR

Do not use alcohol, ammonia based liquid, benzene, or corrosive cleanser to clean the monitor, they may damage the cabinet or CRT's surface. You may use soft, clouding cloth to clean the monitor careful. Notice, you must unplug the monitor before cleaning it.

9. CARING YOUR MONITOR

Unplug the monitor when not use it for a long time. You should take the cables in hands when lifting the monitor, or you may trip up by them and dropped the monitor.

PACKAGE

There should be the following objects in the package:

- 1. Monitor
- 2. Pedestal
- 3. User Manual
- 4. Power Cord

INSTALLATION OF MONITOR

PEDESTAL

Unplug the monitor and do like the following steps:

- 1. Carefully turn the monitor on its side or upside down.
- 2. Locate the cavities at the bottom front of the monitor.
- 3. Insert the pegs on the pedestal into these cavities. Push the pedestal forward until the pedestal locks in place.
- 4. To remove the pedestal, hold the bottom of the pedestal, then push it out.



Figure 1. Installation and Removing of Pedestal

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POWER CORD:

- 1. The monitor may work at 100---120VAC or 200---240V AC area. (No user adjustment is required.)
- Connect the power cord into your monitor's power input socket, and then plug the other end into a 3-pin AC power outlet.

Connecting the Video Cable: the monitor comes with a built-in video cable. Plug the signal cable's 15-pin connector into the computer's video port and tighten the two screws on the cable connector. (See figure 2)

Caution: Don't bend the signal cable, otherwise it will break the inner wire.

Connecting the Power Cord: Plug the power cord into the monitor's AC power socket. Then plug the power cord into a grounded AC outlet.

Caution: If the AC outlet is not grounded, install the proper grounding adapter (not supplied).



Figure 2. Connecting signal cable

| | 1. | Power Cord | 2. | Signal Cable |
|--|----|------------|----|--------------|
|--|----|------------|----|--------------|

Please keep your user manual, monitor packages on a safety place for further using.

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SETUP

General Instructions

The power switch and other control knobs are located at front panel of the monitor (See Figure 3). Press the power switch to turn the monitor on or off. By changing other control knobs settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- To turn the monitor on, press the POWER switch to ON position. The power indicator will light up.
- Your monitor features a unique quick switch system which provides a picture within seconds after the monitor is switched on.





EXTERNAL CONTROLS

| 1. | Power / Power Indicator |
|----|---------------------------|
| 2. | OSD Menu |
| 3. | Contrast |
| 4. | Brightness |
| 5. | Exit |
| 6. | Bright Mode Selection Key |

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Front Panel Control

• POWER / Power Indicator: Press this knob to switch ON/OFF of monitor's power and

display the monitor's state.

Green — Power On mode.

Orange — Off mode.

- **MENU :** Active OSD menu or function adjust confirm.
- **CONTRAST** / ► : Adjust contrast or function adjust.
- BRIGHTNESS☆ / ◀ : Adjust brightness or function adjust.
- **EXIT**: Exit a function or inactive OSD menu, If OSD not shown on the screen, Press this knob to display the monitor's state.
- **BRIGHT MODE SELECTION KEY:** Press this key, the menu will be displayed as follows, OSD bright mode selection menu is shown in Figure 4, and you can select languages in the LANGUAGE sub-menu to switch between Chinese and English. Under non-OSD, press bright mode Selection key to set the current brightness mode: the default setting is Text mode. When this menu is displayed, press bright mode selection key to switch into Text, Internet and Video modes. In the case of not pressing the MENU, this high bright mode menu will disappear in 5 seconds automatically.

| Text | |
|----------|--|
| Internet | |
| Video | |
| | |

Figure 4 English OSD High bright Mode

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How to adjust a setting

The monitor controls are accessed by pressing button MENU to enable OSD (On-Screen-Display). The main menu will be displayed as follows (see figure 5), press the ✓ or ► to choose the next window. Choose the English, then press MENU Key for confirming. OSD window will display in English.

| len | OVO |
|-------------|--------------------------|
| | 1024X768 68K 85Hz |
| · ∔• | SIZE & POSITION |
| | GEOMETRY |
| Æ | MOIRE |
| 0 | LANGUAGE |
| Ð | OSD TIMER |
| A | DEGAUSS |
| ** | COLOR TEMPERATURE |
| ХX | SUPER BRIGHTNESS QUALITY |
| | EXIT OSD |
| | RESET |

Figure 5 English OSD Message

Adjusting the picture

The description for functional control icons

1. SIZE & POSITION

| SIZE | E & POSITION | ↔ | : |
|------|---|---------------------|---|
| 1.1 | HORIZONTAL POSITION | | : |
| | Adjust the horizontal position of the picture. | - | |
| 1.2 | VERTICAL POSITION | Ъ | : |
| | Adjust the vertical position of the picture. | | |
| 1.3 | HORIZONTAL SIZE | $ \longrightarrow $ | : |
| | Adjust the picture's horizontal size. | | |
| 1.4 | VERTICAL SIZE | | : |
| | Adjust the nisture's vertical size | | |
| | Adjust the picture's vertical size. | | |
| 1.5 | ZOOM | | : |
| | Adjust the picture's horizontal and vertical size simultant | neously. | |
| | | | |

8

| ~ | 00 | | | | | |
|---------|---|---|----------------------|---|--|--|
| 2. | GEC | JMETRY | | : | | |
| | 2.1 | ROTATION | \Box | : | | |
| | | Adjust the picture tilt to horizontal position. | | | | |
| | 2.2 | PINCUSHION | \sum | : | | |
| | | Adjust the pincushion and barrel. | | | | |
| | 2.3 | BALANCED PINCUSHION | Г | : | | |
| | | Adjust to compensate the pincushion unbalance. | | | | |
| | 2.4 | TRAPEZOID | \square | : | | |
| | | Adjust the picture's trapezoid distortion. | | | | |
| | 2.5 | PARALLELOGRAM | \square | : | | |
| | | Adjust the picture to be a rectangle. | | | | |
| 3. | MO | RE | 조 | : | | |
| 4. | Moire is the result of interference between the phosphor layout and the video signal. In some cases, you may find the moire very noticeable. Press the MENU to enter in the moire reduce setting. Please adjust the level to the optimum condition. Note: Too high of a setting will cause the picture to shake. LANGUAGE | | | | | |
| | Sele | ect the language as you like. | U | | | |
| 5. | OSI | DTIMER | (-) | : | | |
| | Cho | ose OSD window display time. | Ŭ | | | |
| 6. | DEC | GAUSS | A | : | | |
| 7. | lf co deg COI | Ior impurity occurs when moving or swiveling the mor auss to fix the picture condition. OR TEMPERATURE | itor, pre | ss MENU Key and | | |
| | 7.1 | 6500K/9300K (COLOR TEMPERATURE) | | | | |
| | 7.2 | The color temperature for 6500K is x=0.313, y=0.32 y=0.297. It presents two different color sets on the screw or 6500K by pressing MENU Key. USER MODE (Red / Green/ Blue) | 29 and een. You | 9300K is x=0.283, u can select 9300K | | |
| | | If the 9300K normal white or 6500K warmer white or properly adjust R .G. B GAIN controls to obtain your optimation of the second secon | do not s otimum v | atisfy your desire, whiteness level. | | |
| 8 9. | SUF Shif EXI | PER BRIGHTNESS QUALITY t the function of Super Brightness Quality T OSD: | <u>'à-à-</u> | : | | |
| 10 | | | | | | |
| 10. | Pres | ss RESET to restore the monitor to factory settings. | | | | |

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Green monitor

- The monitor has a power saving function that conforms to the VESA DPMS standardThis feature will maximize to decrease power consumption of the monitor.
- Power saving will be found via indicator:

| | Signal | | | | Power | |
|----------|----------|--------|--------|--------|-----------|-------------|
| Mode | Signal | H-Sync | V-Sync | Video | Indicator | Consumption |
| On | Attached | Yes | Yes | Active | Green | < 75W |
| Off mode | Attached | No | No | Blank | Orange | < 2W |

PLUG & PLAY

DDC2B feature

This monitor is equipped with VESA DDC2B capabilities according to the VESA DDC STANDARD. It allows the monitor to inform the host system of its identity and, depending on the level of DDC used, communicate additional information about its display capabilities.

The DDC2B is a bi-directional data channel based on the I²C protocol. The host can request EDID information over the DDC2B channel.

TROUBLE SHOOTING

1. No Video / LED Off (Power Off)

Check monitor is for turning on or turning off.

Check power cord connecting the outlet right.

Check electrical outlet.

Change power cord.

2. No Video / LED On:

If the monitor was on power saving mode and now the indicator(LED) is orange. Please move mouse and back to normal mode. Check signal cable connecting the display adapter tightly. Increase brightness and contrast via OSD. Check computer is turning on. The signal cable for bent or broken pins.

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3. Poor Focus

Do not place signal cable between monitor and computer. Verify the current mode is primary mode or not with user manual. Adjust OSD to decrease the value of item " moire ". Perform degauss. Decrease brightness and contrast. Decrease video resolution.

4. Shaky / Jittery Video

Set the computer to primary mode.

Check the signal cable for bent or broken pins.

If connecting UPS, removing UPS and plug monitor to wall outlet.

Away from the speakers, fans, neon lights, fluorescent lights.

5. Color Purity

Perform degauss

Far away from electromagnetic devices. Such as speakers, radios, fans, timers 3 feet away at least.

Rotate the monitor.

If the color purity spots change position while rotating the monitor, the environment cause the problem, or the problem is with CRT.

6. Color Convergence

Perform degauss.

Change monitor's orientation and position.

Active OSD, if it looks like normal. It shows that the monitor need to back to factory and adjust, or the problem come from video card.

7. Missing Color /Color Flood

It is absence of one of the three basic colors, red, green, blue. The screen is either purple, cyan, or yellow. If it is absence of two , then the screen is one color last.

Adjust OSD to color temperature 9300K.

Check signal cable for bent or broken pins.

8. Missing Pixels

It shows some dots always dark, bright, or abnormal color what ever the video.

It should be CRT problem / CRT blemish if these dots is on the same position for ever, or display adapter cause it.

One trio blemish is acceptable for general.

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9. Brightness

It indicates too bright or dim.

Adjust brightness.

If OSD has the same problem, it indicates the monitor cause it, or the problem come from display adapter.

Check signal cable for bent or broken pins.

10. Geometric distortion

Geometric distortion refers to where the shape of the image is distorted in any way, such as trapezoid, linearity, line straightness, tilt, pincushion, picture size and centering etc.

Check signal cable for bent or broken pins.

Adjust OSD to fix it.

Check the environment, and be far away from the electromagnetic devices.

Rotate monitor.

11. Moire (Thin Curvy Lines)

Moire is a wavy effect produced by the convergence of lines. A moire pattern is natural optical effect when converging lines in the picture are nearly parallel to the scanning lines.

Check signal cable for bent or broken pins.

Increase V_MOIRE value in the OSD.

Adjust picture size to fill the screen to viewing satisfaction.

Note: Some picture could cause moire, and it is difficult to avoid it .

12. Audible Noise

In general, monitor should not make sounds while on. They may make some sounds when power cycling on or off(degauss cause it).

13. CRT Scratched

Scratched CRT are defined as having the scratch into glass faceplate and where cleaning the CRT does not remove the scratch.

Power off the monitor you will found them easily.

Note: prevent belt, badges, buttons from scratching the CRT while lifting.

14. Important trouble

If you notice the monitor smoking, sparking, or current leakage, right now unplug the monitor and take to repair.

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APPENDIX A – SPECIFICATIONS

| CRT | 43cm / 17" (40cm/16.0" viewing) High and bright angle of | | | | |
|--------------------------|--|--|--|--|--|
| | pure flat surface, 0.25mm dot pitch, non-glare, anti-static, | | | | |
| | anti-reflection coating | | | | |
| • Video | Analog R, G, B 0.7Vpp positive/75 ohm | | | | |
| • Sync. | Horizontal sync. : Positive/Negative | | | | |
| | Vertical sync. : Positive/Negative | | | | |
| Synchronization | | | | | |
| Horizontal | 30kHz to 69kHz automatically | | | | |
| Vertical | 50Hz to 130Hz automatically | | | | |
| Max. Resolution | 1280 × 1024 | | | | |
| Recommended Res. | 1024*768@85Hz | | | | |
| Full screen brightness | 130 cd/m ² Max | | | | |
| Small window brightness | 300 cd/m ² Max | | | | |
| Video dot rate | 110MHz | | | | |
| Factory Preset Timings : | 9 | | | | |
| User mode Timings : | 8 | | | | |
| Power Source | Switching mode power supply | | | | |
| | AC 100-240V, 50Hz/60Hz full range | | | | |
| Operating | 0°C to 40°C ambient | | | | |
| Humidity | 10% to 90% relative, non-condensing | | | | |
| Weight | 15.2kg(Net) | | | | |
| Signal Cable | 15 pin mini D-Sub | | | | |
| Plug & Play | DDC2B | | | | |
| Power management | VESA DPMS | | | | |
| Power consumption | Under 75Watts | | | | |
| Preset display area | 316mm × 236mm | | | | |
| Regulations | UL, FCC, MPR II, CCC | | | | |

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APPENDIX B - FACTORY PRESET TIMING TABLE

| STANDARD RESOLUTION | | HORIZONTAL FREQUENCY | VERTICAL FREQUENCY |
|---------------------|-------------|-------------------------|-----------------------|
| Dos-Mode | 720 × 400 | 31.5kHz | 70Hz |
| VGA | 640 × 480 | 31.5kHz | 60Hz |
| VESA/75 | 640 × 480 | 37.5kHz | 75Hz |
| VESA/85 | 640 × 480 | 43.3kHz | 85Hz |
| VESA/75 | 800 × 600 | 46.8kHz | 75Hz |
| VESA/85 | 800 × 600 | 53.6kHz | 85Hz |
| VESA/75 | 1024 × 768 | 60.0kHz | 75Hz |
| VESA/85 | 1024 × 768 | 68.7kHz | 85Hz |
| VESA/60 | 1280 × 1024 | 64.0kHz | 60Hz |

APPENDIX C - Pin Assignment D-SUB

| PIN | INPUT | PIN | OUTPUT |
|-----|---------------------|--|--|
| 1 | RED | 9 | NO CONNECT |
| 2 | GREEN | 10 | GROUND |
| 3 | BLUE | 11 | NO CONNECT |
| 4 | NO CONNECT | 12 | DDC SDA |
| 5 | GROUND | 13 | H-SYNC |
| 6 | RED GROUND | 14 | V-SYNC |
| 7 | GREEN GROUND | 15 | DDC CLOCK |
| 8 | BLUE GROUND | | |
| | PIN 1 2 3 4 5 6 7 8 | PININPUT1RED2GREEN3BLUE4NO CONNECT5GROUND6RED GROUND7GREEN GROUND8BLUE GROUND | PIN INPUT PIN 1 RED 9 2 GREEN 10 3 BLUE 11 4 NO CONNECT 12 5 GROUND 13 6 RED GROUND 14 7 GREEN GROUND 15 8 BLUE GROUND 15 |

APPENDIX D - MONITOR DIMENSION





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Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

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