IMPORTANT SAFEGUARDS

Warnings:

1. Read all of these instructions Save these instructions for later use, please.

2. Unplug this monitor from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

3. Do not use attachments not recommended by the monitor manufacturer as they may cause hazards.

4. Do not use this monitor near water. For example near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc…

5. Do not place this monitor on an unstable cart, stand, or table. The monitor may fall, causing serious injury to a child or adult and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer or sold with monitor. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

6. Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to insure reliable operation of the television receiver and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the monitor on a bed, sofa, rug, or other similar surface. This monitor should never be placed near or over a radiator or heat register. This monitor should not be placed in built-in installation such as a bookcase unless proper ventilation is provided.

7. This monitor should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied in your home, consult your monitor dealer or local power company.

8. This monitor is equipped with a three-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into 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 safety purpose of the grounding-type plug.

9. Do not allow anything to rest on the power cord. Do not locate this monitor where the cord will be abused by persons working on it.

10. Follow all warnings and instructions marked on the monitor.

11. For added protection for this monitor, when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the monitor due to power-line surges.

12. Do not overload wall outlets and extension cords as this can result into fire or electric shock.

13. Never push objects of any kind into this monitor through cabinet slots as they may

touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the monitor.

14. Do not attempt to service this monitor yourself since opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

15. Unplug this monitor from the wall outlet and refer servicing to qualified service personnel under the following conditions:

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

b. If liquid has been spilled into the monitor.

c. If the monitor has been exposed to rain or water.

d. If the monitor does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the monitor to normal operation.

e. If the monitor has been dropped or the cabinet has been damaged.

f. When the monitor exhibits a distinct change in performance this indicated a need for service.

16 .When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.

17. Upon completion of any service or repairs to this monitor, ask the service technician to perform routine safety checks to determine that the monitor is in safe operating condition.

18. The socket outlet shall be near the equipment and shall be easily accessible.

19. The power supply cord is used as the main disconnect device.

Contents

1. Introduction

1.1 Product Introduction

About the Product

Tablet monitor combine the advantages of on LCD monitor with Pen Input Technology.

It utilizes electromagnetic technology which guarantees high tablet resolution and fast

pen tracking speed. You could work more freely and effective by using pen on screen.

The monitor features include the following:

- Active matrix TFT LCD technology
- 1440x 900 WXGA resolution
- 19″ viewable display area
- Pen-Input technology
- Tablet resolution:1000Lpi
- Tablet Pressure: 1024 levels
- Direct Analog signal Output/Input
- Dual-hinge Stand (-5° ~ 180°)

1.2 Package Overview

After unpacking, make sure that all of the following parts are included.

19″ LCD monitor

User's guide

VISTA application guide

Software CD

Power cable

D-Sub cable x2

USB cable

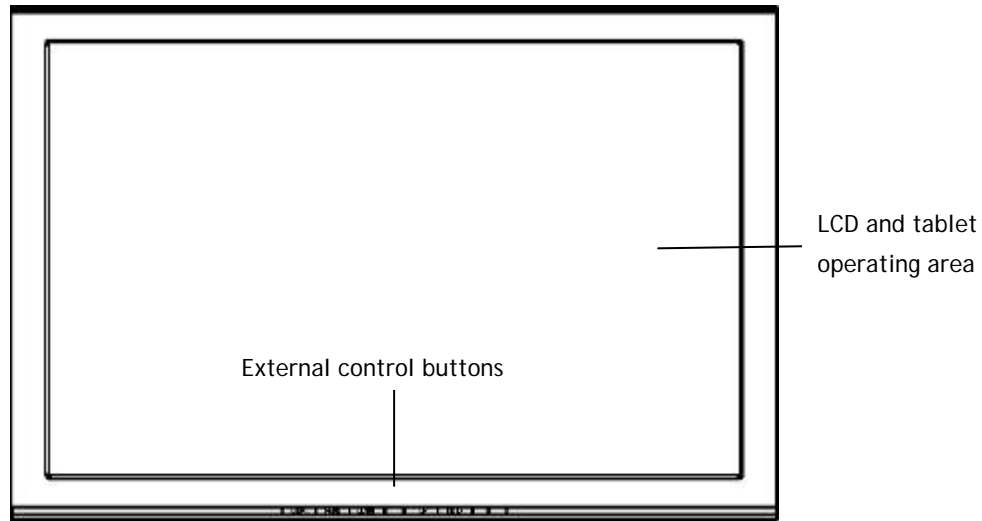Pen holder

Stylus pen

Pen tip replacement

Spare pen tips x2

AAA alkaline

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1.3 Display overview

1.3.1 Front Screen

LCD and tablet
operating area

External control buttons
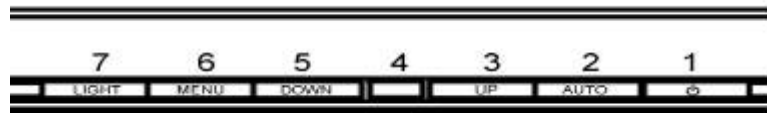
(1) LCD and tablet operating area
Receives text and graphical information entered with the stylus pen, and
transmits the data to a PC.

(2) External control buttons

1	Power on/off	4	Power LED
2	Automatic image seating	5	Down adjust
3	Up adjust	6	Menu
7	White light on/off		

*When power has been supplied to the monitor and a video signal is present, the LED lights blue;
when no video signal is detected, the LED lights orange; press the POWER button for 1 second to
turn off the monitor; you can switch the white light on or off by press LIGHT button.

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Power cord

Connector ports (VGA
OUT/VGA IN/USB)

Dual-Hinge stand

ANALOG
VGA OUT

ANALOG
VGA IN

USB

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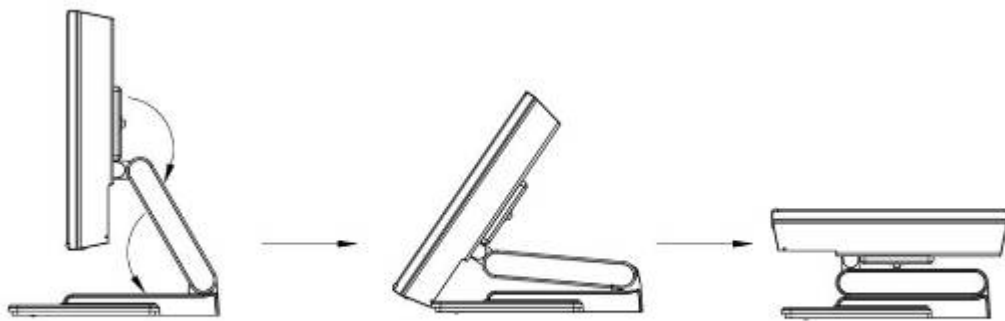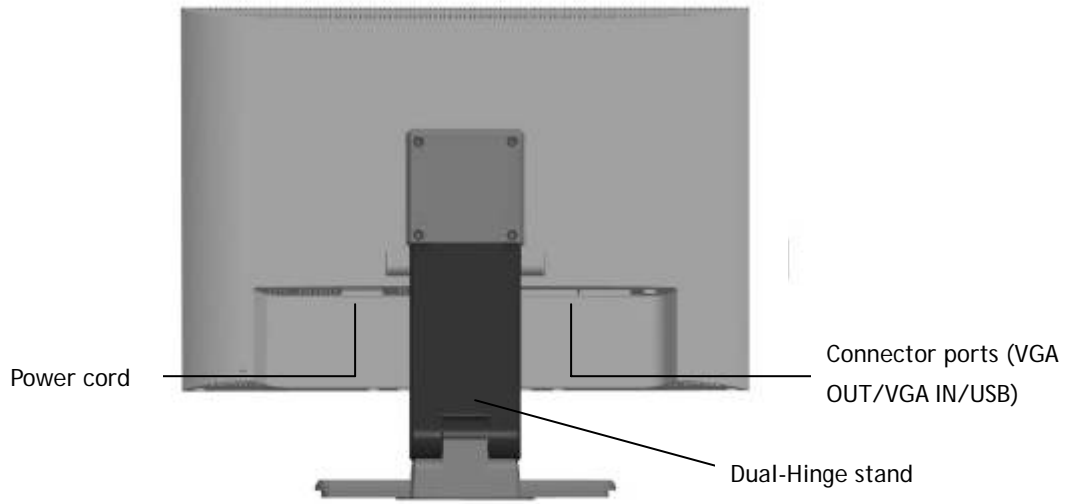
1.4 Installation

1.4.1 System Requirement:
Before installing the monitor, make sure your PC Operation system is Windows 2000, Windows XP, Windows Vista or MAC 10.2.8 above
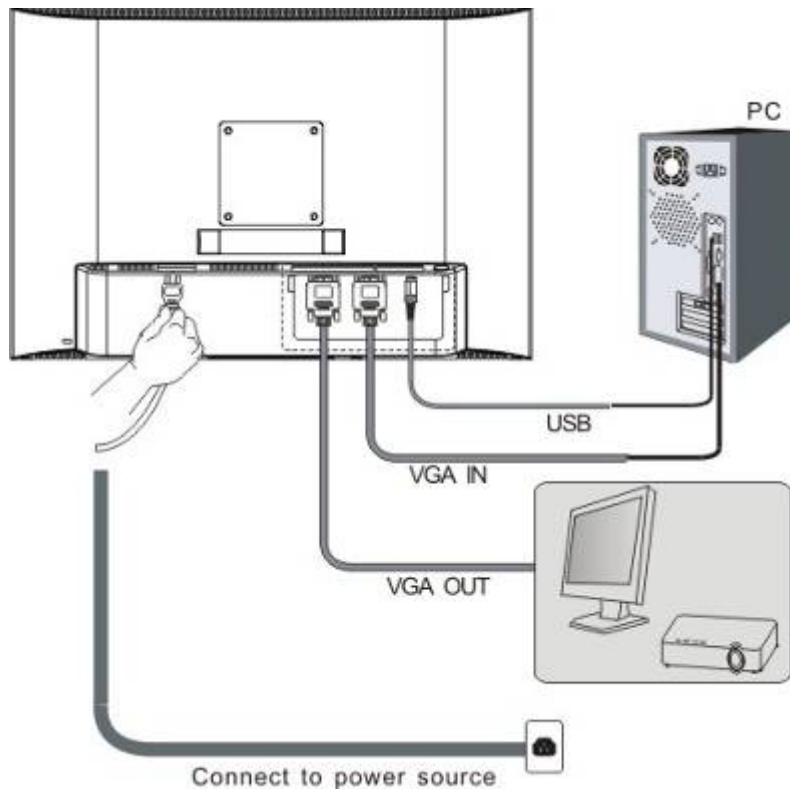### 1.4.2 Connection Procedure

(1) Plug one end of the VGA cable into the monitor, plug the other end of the cable into the VGA connector on your computer's video card, and lock the screws tightly.
(2) Connect one end of USB Port into the monitor. Connect the other end of the cable to your the PC USB port.
(3) Connect the power cable from the AC socket of the LCD to the AC mains socket nearby.
(4) If outputting the monitor screen to external equipment(such as a projector or another monitor), you could use VGA OUT port, connect the VGA cable to the VGA OUT port and connect the other end of the cable to an input port on the external video equipment.

1.4.3 Software Installation

Tablet Driver Installation

A. If your PC operation system is Windows 2000 or Windows XP. You must install driver before you use Stylus Pen. Do the following to install the driver:

(1) Insert the VisBoard™ monitor CD into the CD-ROM drive. The software install menu should automatically display.

(2) Click on INSTALL DRIVER link and follow the prompts to install the driver software.

(3) After complete the installation, you can see an icon on the system tray and make sure you can use your pen on the screen to move the cursor.

B. If your PC operation system is Windows Vista, Pen input function will plug-n-play. Note: If you want to install the driver in Windows Vista system, just follow the same steps above. The driver could provide pen setting function. For the details please see the VisBoard™ monitor software E-manual.

C. If your operation system is MAC, the driver install program will automatic run when you insert the CD to the CD-ROM, you can follow the prompts to install the driver.

Tablet application software installation

There are following software in the CD:

1. Office Ink---compliant with Windows XP/2000

2. Free Notes---compliant with Windows XP/2000

3. Power Presenter RE--- compliant with Windows XP/2000

4. MyScript Stylus 2.4---compliant with Windows XP/2000/VISTA

You can find the S/N number for MyScript Stylus 2.4 on the CD package.

*Please refer to the Appendix C to see the main function for every software.*

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2. Operation Guide

2.1 Adjusting Display Frequency and Resolution

The monitor's true (physical) resolution is 1440 x 900,be sure to set the monitor refresh rate to 60 Hz if displaying the monitor at WXGA resolution (1440×900). If used at a refresh rate other than 60 Hz, the pen may not operate correctly due to noise from the LCD panel. (For details on how to make settings, see your PC's manual and other documentation.)

2.2 Working with the Stylus Pen

The stylus pen use an AAA battery and the battery life can be prolonged by press the power switch. To draw characters and figures using the stylus pen, press power switch to the ON position.
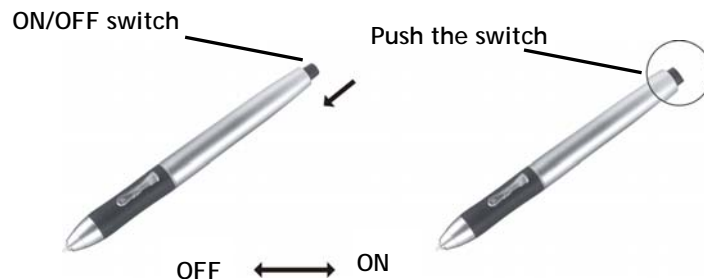
2.2.1 Basic Stylus Pen Operations

The basic methods of working with the pen tip are as follows:

Clicking
Tap the display screen once with the pen tip.

Double-clicking
Tap the display screen twice in the same place with the pen tip quickly.

Dragging
Select an object, hold the pen against the screen and move the pen.

* You do not need to touch the tablet surface to move the screen cursor and the pen tip needs to be within 5 mm of the pen display screen.
* Hold your stylus pen the way you would hold a normal pen or pencil while writing on paper and the allowed pen input angle is 45° in any direction from a position.

2.2.2 Using the Pen Side Buttons

The stylus pen has two side buttons and the default button settings as follows.

1) In Windows XP/2000
    The upper button is set to mouse double click, and the lower button is set to mouse right click by default.

2) In Windows VISTA
    The upper button is set to mouse right click by default, it will show a barrel cursor and no action when you press lower button.

*When you use the side buttons, press the button and the pen tip needs to be within 5mm of the pen display screen, but the pen tip no need to touch the screen.
*More details for pen button setting please refer to the E-Manual in CD.

Side Button No. 1

Pen tip

Side Button No. 2
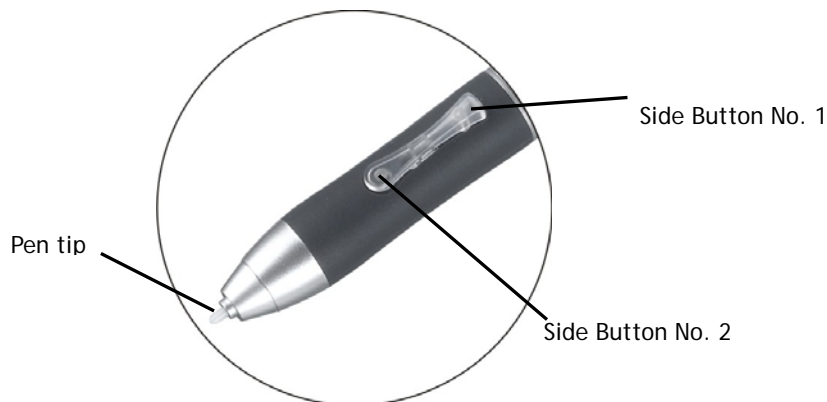
2.2.3 Drawing with pressure-sensitivity:

The pen support 1024 levels pressure. To draw with pressure, select a pressure-sensitive tool from your application's tool palette, then when you press your pen tip lightly, it will show softer color or thin lines, and press harder for dense color or thick lines.
Notice that your application needs to support Pressure-sensitivity function. (e.g., Windows Journal and Photoshop.)

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2.3 OSD Functional Control Description

1. Main menu
OSD main menu of controls gives you an overview of the selection of controls available. When you want to make adjustment of the screen image, press and release button Menu

```
              1440x900
                   ⊡
          ◑              ⊡
     ☼                        ⊟
    ⊟⁺        E X I T          ⊚⊚
     ⊡                        ⊛
          ⊕
                  →R←     ⊡
       H:55.90kHz  V:60.0Hz
```

2. OSD Adjustment

You can choose where you would like OSD image to appear on your screen.

H-Position :
To move the OSD image horizontally left or right.

V-Position :
To move the OSD image vertically up or down.

Exit : ⊟ or ⊟⁺
To exit the sub menu

3. Language

You can choose one of the multi-languages you need.

4. Reset →R←

Reset the currently highlighted control to the factory setting. User must be using factory preset video mode to use this function.

5. Auto

Auto adjust display mode to its utmost performance according to VGA setting.
In the event of the display image needs further adjustment.

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1440x900

COOL WARM NATIVE sRGB

H:55.90kHz V:60.0Hz

6. Color Select ❖ or 🐛

Color Select Menu
Select user mode ❖ or 🐛

User color you can adjust to individual color gum intensity by yourself. Increase or

decrease red, green or blue depending upon which color is selected.
Cool:
This control adjusts the color temperature of the screen image. This item are
preset by factory, you can not adjust these setting. The performance is bluer
and brighter.

Warm: The performance is redder and closer to paper white.
Native: to give the white color a natural tint.
sRGB: Display standard color.
MWE: Include STANDARD, SCENERY, THEATER, GAME, NIGHT, FLIT etc. display models
          (Selective function)

7. Phase 🕶️
  To improve focus clarity an image stability.

8. H. Size ⬅➡
  To increase or decrease the horizontal size of image.

9. V. Position 🖥
To move the picture image vertically up or down.

10. H. Position ⬜
To move the picture image horizontally left or right.

11. Contrast ◑
Adjust the image brightness in relation to the background.

12. Brightness ☼
Adjust the overall image and background screen brightness

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3. Troubleshooting

If you encounter problems with VisBoard monitor, please refer to the following tables.

3.1 Display problems

Problem & Question	Possible Solution
Power LED is not on	*Check if the Power Switch is in the ON position *Power Cord should be connected *Check the Power socket. *Replace new Power Cord.
No picture, the LED indicator is light up	*The Signal Cable should be completely connected to the computer *If it is orange, then the monitor and the computer are in dormancy mode. You need press your keyboard or move the mouse to reactivate the system. *If it is green, please adjust the brightness and contrast by OSD menu. *Check that the computer is switched on.*Check that the signal's pin is bent or broke. * If you use laptop PC, check that the external (RGB) output is selected.
Picture is gray	*Adjust the contrast and brightness controls.
Picture bounces or a wave pattern is present in the picture	*Move electrical devices that may cause electrical interference.
Picture is fuzzy	*19" Wide LCD monitor's true (physical) resolution is 1440 x 900. Under the resolution, it will get the best display.
Missing one of the primary colors (RED, GREEN, or BLUE)	*Inspect the monitor's video cable and make sure that none of the pins are bent or broke (the pin's number reference to figure 6)
Screen image is not centered or sized properly.	*Adjust pixel frequency (Clock) and Phase or press hot-key to auto adjustment
Picture has color defects (white does not look white)	*Adjust RGB color or select color temperature
Poor brightness or contrast	*When the brightness of the screen lowers after being used for a certain period and the function of the display is affected, send it to our authorized service center for repair.
Horizontal or vertical disturbances on the screen	*Use Win 95/98/2000/ME/XP/Vista shutdown mode Adjust Clock and Phase or perform hot- key

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3.2 Tablet problems

Problem & Question	Possible Solution
The pen is no function	*Check the battery whether worn out? If Yes, replace the pen battery *Check whether the pen tip is too short. If yes, replace the pen tip. * Re-plug the USB cable. *Restart your computer or your application.
The cursor move incorrectly	* Re-plug the USB cable or your computer.
The side switch does not work.	*Be sure that when you press the side button, the pen tip is within 5mm of the display surface and your pen tip is not against the display surface. *Be sure that the side button is set to the proper function you are expecting to occur for the application.(Open the Pen Pad control panel to check it)
Others	Contact local technical support

4. Product Specifications

4.1 LCD Display Characteristics

Item		Specification
Product name		Tablet Monitor
LCD Display	Display type	TFT color LCD
	Dimension	48cm (19 in.)
	Resolution	1440×900 (WXGA)
	Pixel pitch	0.285×0.285mm
	Standard colors	16,200,000 colors
	Viewing angles	right 85°, left 85°, up 80°, down 80°
Input/output	Input	D-sub 15-pin (analogue RGB)
	Output	D-sub 15-pin (analogue RGB)
Environmental conditions	Temperature	During use: 0 – +40°C; in storage: -20– +60°C
	Humidity	During use: 10 – 80% (no condensation); in storage: 5– 95% (no condensation)
Power Input		100-240V ac, 50/60Hz
Power Consumption		On<40W, Active Off<2W,Off<2W
Plug and Play		DDC/CI
External dimensions		537 (W)×196 (H)×374(D) mm
Net weight/Gross weight		6.4kg/8.6kg
Stand adjustment		Adjustable in the range of -5° to 180°
Compatible operating systems		Windows 2000/XP/VISTA; MAC 10.2.8 above

4.2 Tablet Characteristics

Input system	Electromagnetic induction
Pen	Stylus pen
Tablet resolution	1000Lpi
Pen Pressure	1024 levels
Pen Power Consumption	700uA(Max)
Reading accuracy	± 0.5 mm(center)
Data Report Rate	130 points per second
Data Interface	USB interface (USB2.0)

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Appendix A

Changing the Battery in the Stylus Pen

If the residual battery capacity is not enough, the center of side button will light up red and you need to change the battery，please change battery as following :

(1) Separate the pen into its two halves. (As Show in figure1)

Figure 1   Figure 2

(2) Remove the battery; insert a new AAA alkaline dry battery and the positive pole facing the pen tip. (As Show in figure2)

(3) Put the stylus pen back together. (Notice that close the pen's rear part too forcefully)

Replacing the Pen Tip

When the tip gets too short or develops a sharp edge, you can replace it with one of the spare tips that came with the pen as following:

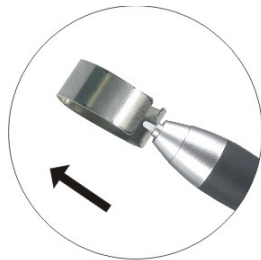(1) Use a pair of tweezers, pull the old tip straight out of the pen(As Show in figure 3)
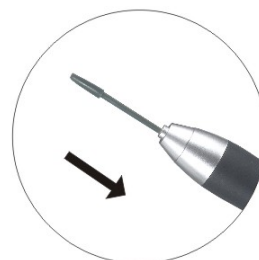

Figure 3   Figure 4

(2)   Insert a new pen tip into the stylus pen and push the tip until it stops.

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Appendix B
Factory Preset Timing Table

NO	Resolution Dots x line	Horizontal Freq.(kHz)	Vertical Freq.(kHz)
1	720 × 400	31.47 kHz	70 Hz
2	640 × 480	31.47 kHz	60Hz
3	640 × 480	37.86 kHz	73Hz
4	640 × 480	37.50 kHz	75Hz
5	800 × 600	37.88 kHz	60Hz
6	800 × 600	48.08 kHz	72Hz
7	800 × 600	46.87 kHz	75Hz
8	1024x640(MAC)	39.8 kHz	59.8 Hz
9	1024x640(MAC)	50kHz	74.5 Hz
10	1024 × 768	48.36 kHz	60Hz
11	1024 × 768	56.48 kHz	70Hz
12	1024 × 768	60.02 kHz	75Hz
13	1280 × 1024	63.98 kHz	60Hz
14	1280 × 1024	79.98 kHz	75Hz
15	1360x768(MAC)	47.6 kHz	59.9 Hz
16	1360x768(MAC)	60 kHz	74.5 Hz
17	1440 × 900	55.94 kHz	60Hz
18	1440 × 900	70.64 kHz	75Hz

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Appendix C
Tablet Application Software Function List

Item	Function Description	Windows VISTA*	Windows XP/2000
1	Note Taking: Offers a variety of writing tools for you to send free handwriting and colorful drawings,	Windows Journal	Free Notes
2	The best presentation AP for making a professional and fluent presentation with Microsoft PowerPoint.	PowerPoint	Power Presenter
3	Digital inking: Special digital inking in Word, Excel or Word pad. You can add your digital signature and freely modify documents.	Office 2007	Office Ink
4	Handwriting recognition :computer receive intelligible handwritten input	*Tablet PC Input Panel* (My Script Stylus*)	My Script Stylus*
5	MSN Application: Instant handwriting messenger	MSN	MSN
6	Use your tablet pen to select a portion of a website, document, or other content on your screen. You can add handwritten comments and then paste it into an e-mail message or other program.	Snipping tool	Free Notes
7	Write and store short notes, phone numbers, and other reminders. You can place sticky notes directly on your desktop as quick reminders or in any OLE-enabled program, such as Word, to add electronic	Sticky Notes	N/A

Microsoft new OS VISTA have four versions for PC users: Vista Home Basic, Vista Home Premium, Vista Business and Vista Ultimate, check your VISA OS version is Vista Home Premium or more advanced version, if your OS is Vista Home Basic, couldn't support above 1,3,,6,7 function.

* My Script Stylus could support Windows 2000, Windows XP, and Windows Vista (including all Vista versions)

 * Free Notes, Office Ink & Power Presenter Only compliant with Windows XP/2000.

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