

# DTF-510 SAFETY INSTRUCTIONS

## WARNING

**Do not use DTF-510 Interactive Pen Display in a facility control system that requires extremely high reliability;** it may cause other electronic devices to malfunction, or other devices may cause the Interactive Pen Display to malfunction.

Where use is prohibited, power off DTF-510 to prevent the possibility of it causing other electronic devices to malfunction. Wacom does not accept any liability for direct or consequential damages. For details, please refer to your Warranty, located at the end of this manual.



### HIGH VOLTAGE

Do not open DTF-510 . It has the risk of electric shock.

**Only use the AC adaptor that came with DTF-510 .** If a different type of AC adaptor is used, **DTF-510** will not work properly or it may be damaged. **Using a different type of AC adaptor also has the potential to result in fire.** Use of a different AC adaptor will void your warranty.

## CAUTION

**Prevent your children from swallowing the pen nib or side switch.** The pen nib or side switch may accidentally be pulled out if children are biting on them.

**If the LCD screen has been damaged, DO NOT touch any liquid that may be leaking from it;** this liquid is an irritant. In case of contact with skin, eyes, or mouth, rinse immediately with running water for at least 15 minutes or more. If contact is made with the eyes or mouth, also consult a physician.

**Be sure to use a grounded power source when applying power to DTF-510 .**

# Introduction and Overview

The Wacom® DTF-510 Interactive Pen Display combines an LCD monitor with a Wacom tablet. This gives you a direct point-and-draw-on-screen interface that can be used with a Personal Computer (PC) or Macintosh computer. DTF-510 basic components include a Wacom tablet internally mounted behind a 15.0" diagonal TFT color LCD monitor, and Wacom's pen.

Your DTF-510 Interactive Pen Display offers a number of significant advantages over a standard monitor:

- Reduced power consumption
- Reduced heat generation
- Requires less work space
- Flicker free and easier on the eyes
- Integrated input and display
- Pressure-sensitive drawing directly on the display screen.

This manual describes how to install DTF-510 hardware and software. It also describes how to use DTF-510 and the pen. Note that the computer treats the two parts of DTF-510 (the LCD monitor and the Wacom tablet) as separate pieces of hardware. Therefore, the installation process is completed in two stages. First, you will install the LCD monitor portion of DTF-510. In the second stage you will install DTF-510's tablet functionality.

You can find information on using the Wacom Tablet Control Panel for customizing your tablet and pen settings in the online Help, located under the Help menu in the Wacom Tablet Control Panel.

The following are not included with this product:

- Information about your specific computer hardware
- Information about your operating system
- Information about application software.

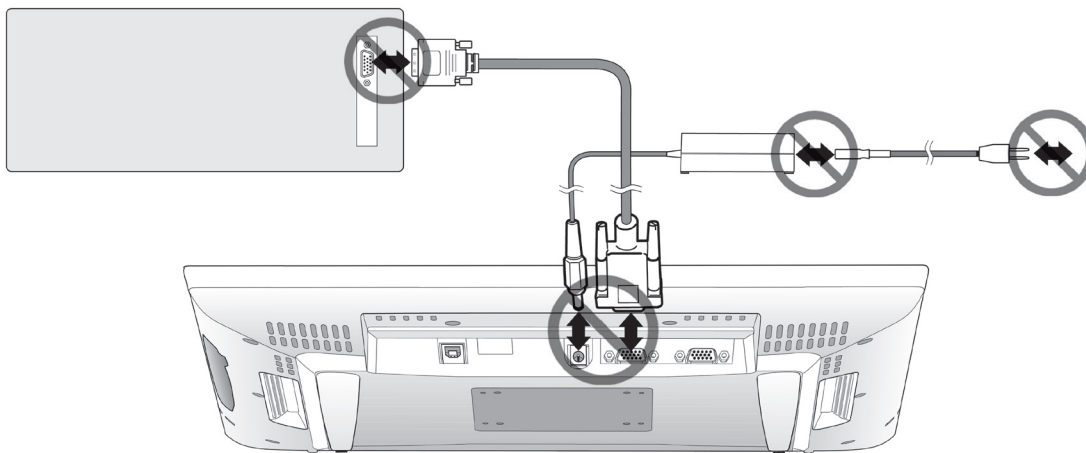
Please refer also to your computer hardware, operating system, or software application manuals.

To use the pressure-sensitivity of the pen with your favorite drawing application, refer to instructions in that application's manuals.

# Precautions on Use and Handling

Be sure to follow all instructions, cautions, and warnings found within this manual. Failure to do so could void your warranty, in which case Wacom shall have no responsibility to repair or replace the product.

- **Do not put heavy articles on the Interactive Pen Display;** this may damage the display screen or stand.
- **Do not place heavy article on DTF-510 cabling, repeatedly bend the cables, or apply heavy stress on the cable connectors;** this may damage the unit or your cabling.
- **Do not connect or disconnect the power cable while DTF-510 or your computer is turned on;** it may damage the LCD display or computer video card.



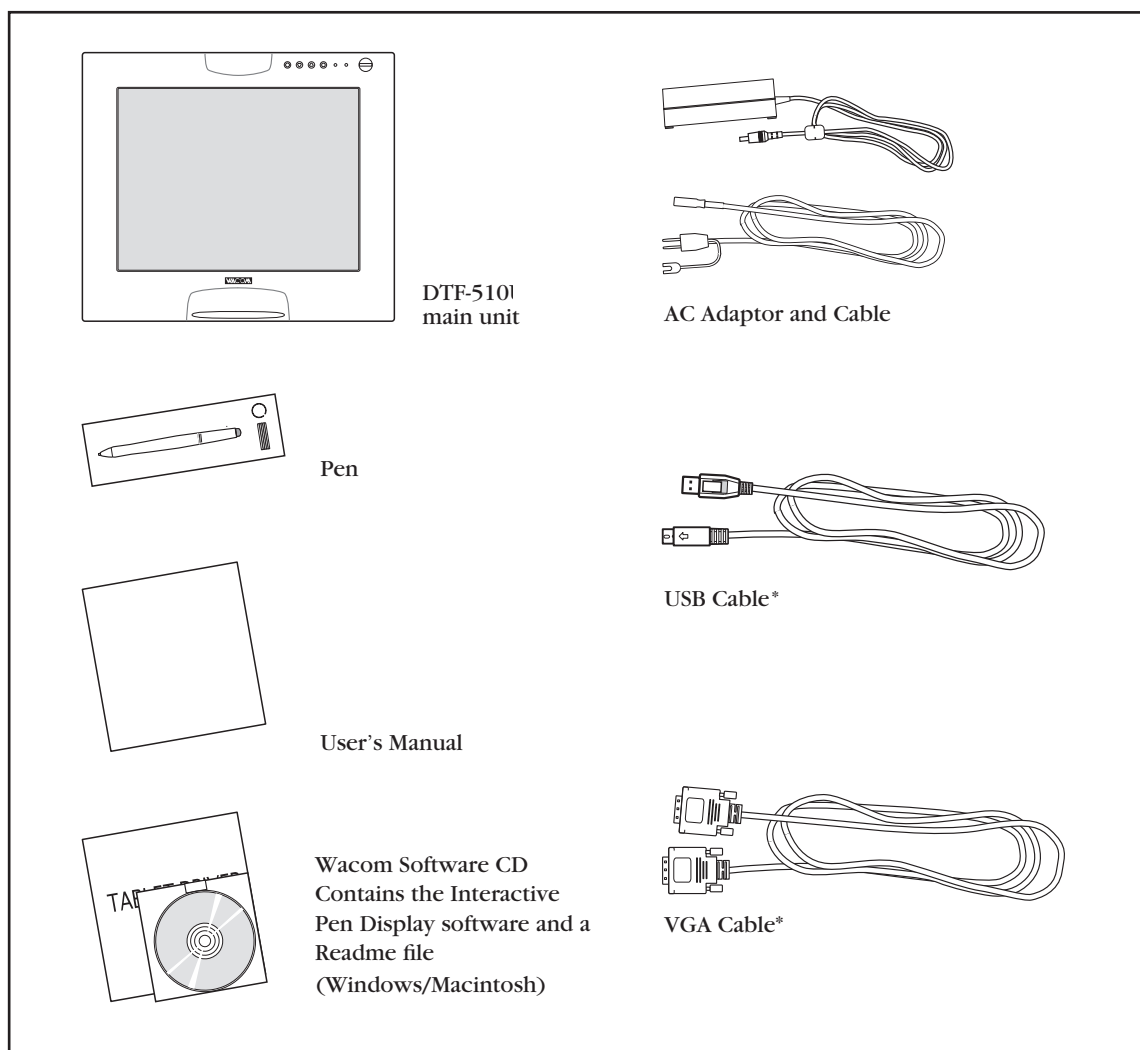
- **This product is for use with a VGA graphics card;** using an inappropriate graphics card may damage DTF-510 .
- **Do not disassemble DTF-510 or pen.** This may cause DTF-510 or pen to malfunction. In this case, Wacom shall have no responsibility to repair or replace the product.
- **Do not use or store DTF-510 where:**
  - Temperature changes are severe (e.g., outdoors or inside a vehicle).
  - DTF-510 and pen are exposed to direct sunlight or heat from an appliance.
  - DTF-510 and pen are exposed to water or any other kind of liquid.
  - Temperature or humidity exceeds the specifications.
- **Do not block the ventilation holes in the rear panel;** this may overheat and damage DTF-510 .
- **Do not use DTF-510 in a dusty environment;** It may damage the unit.
- **Do not scratch the cover glass of DTF-510 .** Avoid placing sharp objects on the glass surface.
- **Do not use detergent to clean the cover glass of DTF-510 ;** this may alter the surface friction and deteriorate the handwriting feel.

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# Checking Packed Components

In your package you will find the following items:



Please retain the package box for use when storing or shipping DTF-510l

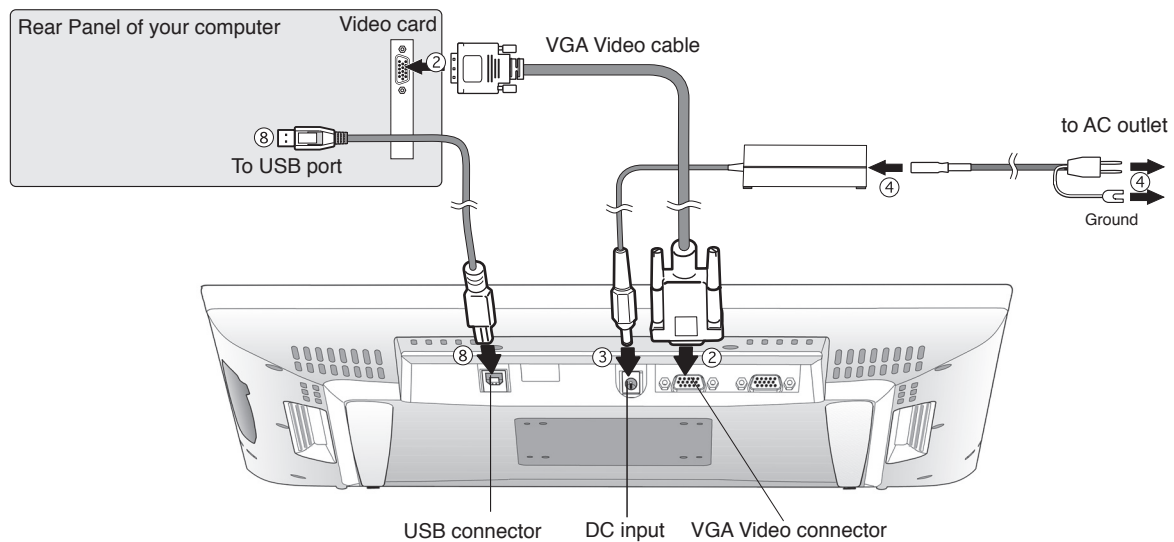
\* For the DTF-510l only. Do not use with other devices.

# Installation

## LCD Monitor Installation

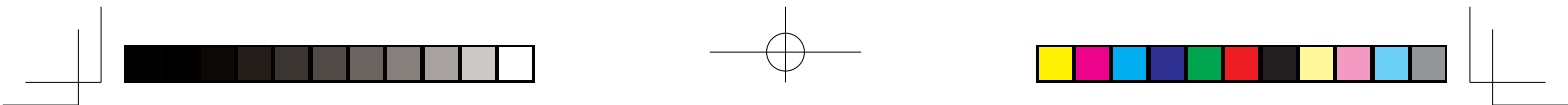
First install the monitor portion of the DTF-510 . Do not connect the USB cable or serial data cable until you proceed to the step "⑧".

- ① Turn off your computer.
- ② Connect the VGA cable between the DTF-510 and your computer.
- ③ Connect the AC adaptor to the DTF-510 .
- ④ Connect the AC adaptor power cable and plug the adaptor into an AC outlet.
- ⑤ Turn on the power switch of the DTF-510 . The power lamp will light green, and then turns orange.
- ⑥ Turn on your computer to start your operating system.



### IMPORTANT

- Do not use any cable that did not come with the DTF-510 ; use of an improper cable may damage the unit.
- Make sure your graphics card has a VGA connector. The use of an improper video card may damage the DTF-510
- Do not connect or disconnect the video or power cable while the DTF-510 or your computer are turned on; this can damage the LCD display or computer video card.



- ⑦ The maximum resolution of the DTF-510 is 1024 x 768, True Color (24 bit). As necessary, configure the monitor control panel settings for the proper size and color resolution.

The number of colors is constrained by the performance of your computer or graphics card. Refer to the documentation of the manufacturer for details.

You may also want to fine-tune the display. Please refer to Adjusting the LCD Monitor on page 16 for more information.

- ⑧ To install the Wacom tablet software, turn off your computer and connect the USB cable or serial data cable.

## Tablet Software Installation for Windows\* and Macintosh

- ① After connecting all cables of the DTF-510 turn on the DTF-510 and your computer. Allow the operating system to fully load.
- ② Insert the Wacom Tablet CD into the CD-ROM drive. The Wacom tablet software installer menu should automatically display. If the menu does not display, double-click on the Install icon (located on the CD). Click on the Install the DTF-510 button and follow the prompts to install the driver software.

- ③ **Windows:** After the driver installation is complete, make sure you can use your pen on the tablet display to move the screen cursor.

**Macintosh:** After the driver installation is complete, restart your Macintosh. You will be able to use your pen on the tablet display to move the screen cursor.

Be sure to read the README file for late braking news.

If you have trouble in the Tablet software installation, refer to the Troubleshooting chapter in the online Help in the Wacom Tablet CD. You can also open the online Help from the HELP menu from the WACOM TABLET control panel.

Precede to *Customizing the DTF-510 – The Basics*.

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\* Windows 98 and later.

# Customizing DTF-510 --- The Basics ---

## Opening the Wacom Tablet Control Panel

The WACOM TABLET Control Panel makes it easy to customize your Interactive Pen Display and the pen.

To open the control panel:

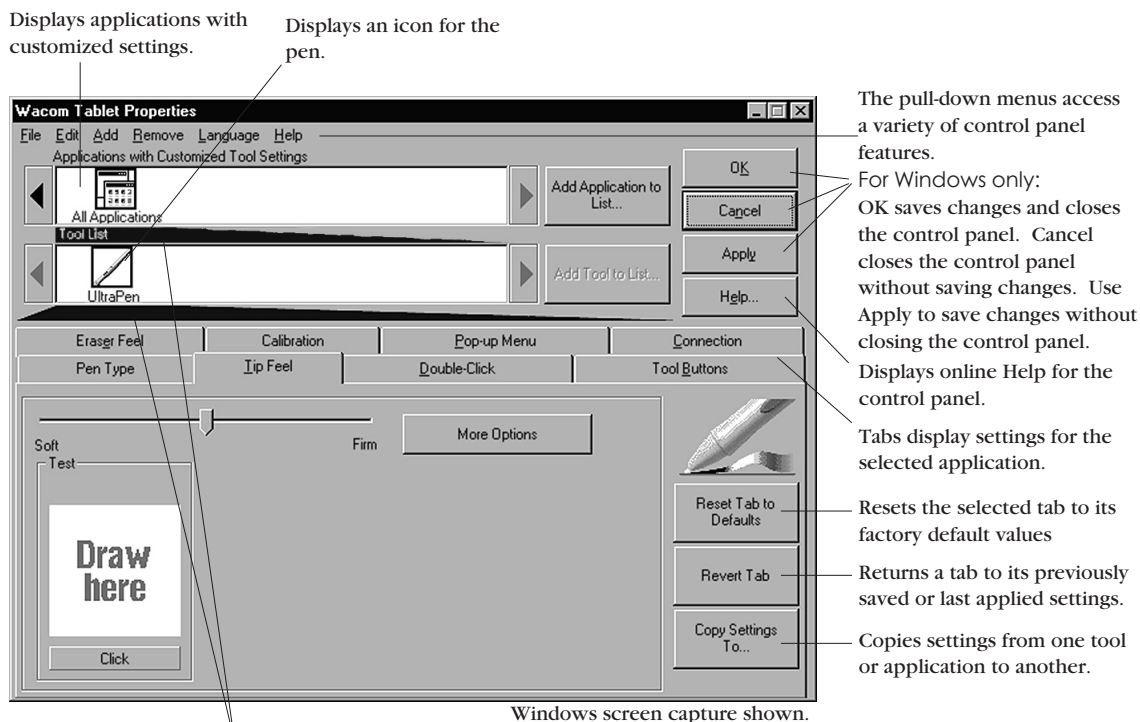
**Windows:** Click on the Windows START button and choose PROGRAMS. From the WACOM TABLET group, choose the WACOM TABLET option.

**Macintosh:** From the Apple menu, choose CONTROL PANELS and then WACOM TABLET.

When you open the control panel, an icon for the pen is displayed in the TOOL LIST and the appropriate tabs are displayed. To customize the pen, make your changes to the tab controls.

On Windows systems, be sure to click APPLY or OK to save your changes.

**Note:** Application-specific settings are for advanced users. Refer to the online Help for more information on creating and using application-specific settings.



Current selections are highlighted. Wedges emphasize the relationship between tab settings and the selected tool and application.



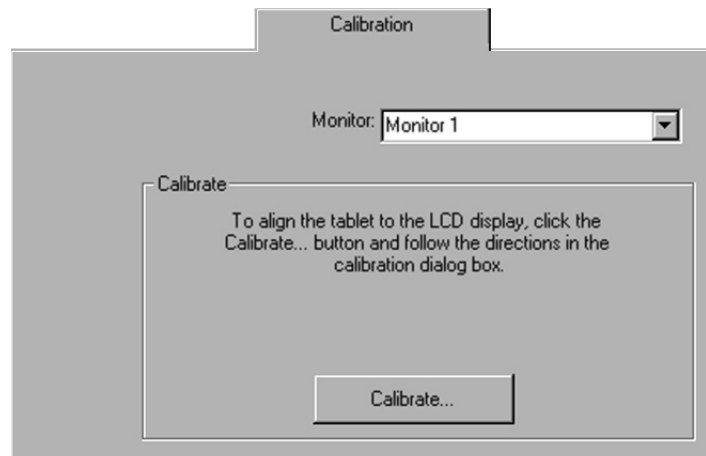
## Calibrating the Tablet

You will need to calibrate the tablet in order to line up the screen cursor position with the position of the pen on the Interactive Pen Display. This is required to adjust for parallax caused by the clear plastic overlay. After setting the tablet in its working position, follow the procedure below to calibrate the tablet.

- ① From the Wacom Tablet Control Panel, select the CALIBRATION tab.

If you are working with multiple monitors, select the Monitor that corresponds to the tablet's LCD display.

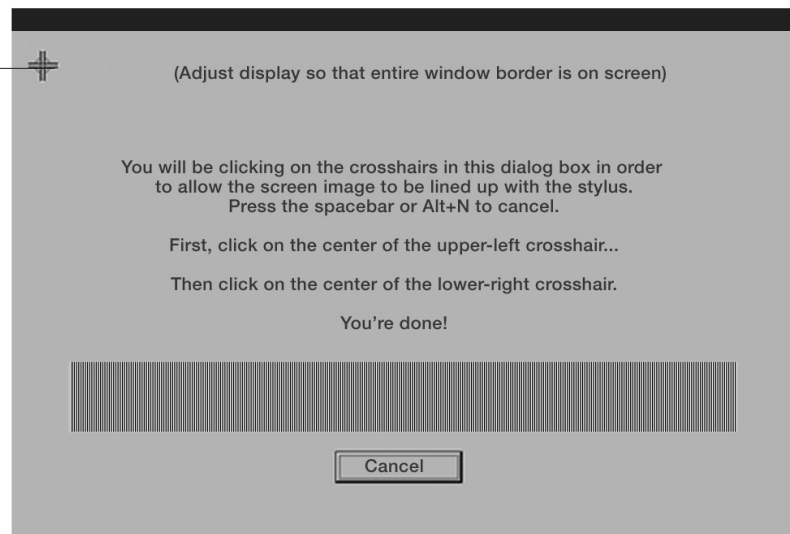
- ② Click on the Calibrate... button to display the monitor calibration screen.



- ③ Hold the pen as you normally do, and use the pen tip to click on the cross-hairs in the upper-left corner.

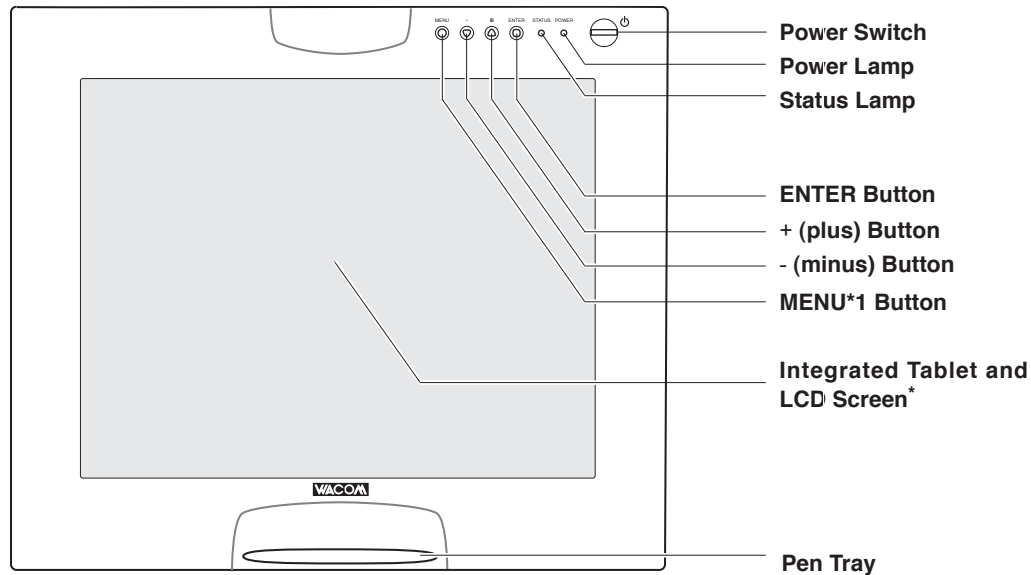
- ④ Then click on the cross-hairs that are displayed in the lower-right corner. (For Windows systems, you will need to click Apply or OK for the changes to take effect.)

NOTE: The calibration setting applies to all applications.



# DTF-510 Component Functions

## Top View



### Power Switch

Turns the power to the unit on or off.

### Power Lamp

Lights green when power and video signals have properly been supplied to the DTF-510. Turns orange or flashes when your computer goes into power management mode and stops sending the video signal to the DTF-510.

### Status Lamp

Lights green when a pen switch is pressed, or when the eraser enters proximity of the tablet.

### ENTER Button

Press this button when you select or exit an item in the On Screen Display (OSD) menu.  P 16

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- \* - On a TFT liquid crystal display, a very small number of pixels may be permanently illuminated or not illuminated at all. This does not mean that the display is defective.
  - When exerting hard downward pressure on the display screen surface, you may notice the temporary appearance of a moiré pattern. This is temporary and does not mean the display is defective.
  - When a still image is displayed for a long period of time, an after-image may remain for a short period of time.

### **+ (plus) Button, - (minus) Button**

Use these buttons to select an option that can then be activated when you press the Enter button. After activating a selected option, press the + button to increase a selected item value, and press the - button to decrease it.

### **MENU Button**

Opens and closes the On Screen Display (OSD) menu.

### **Integrated Tablet and LCD Screen**

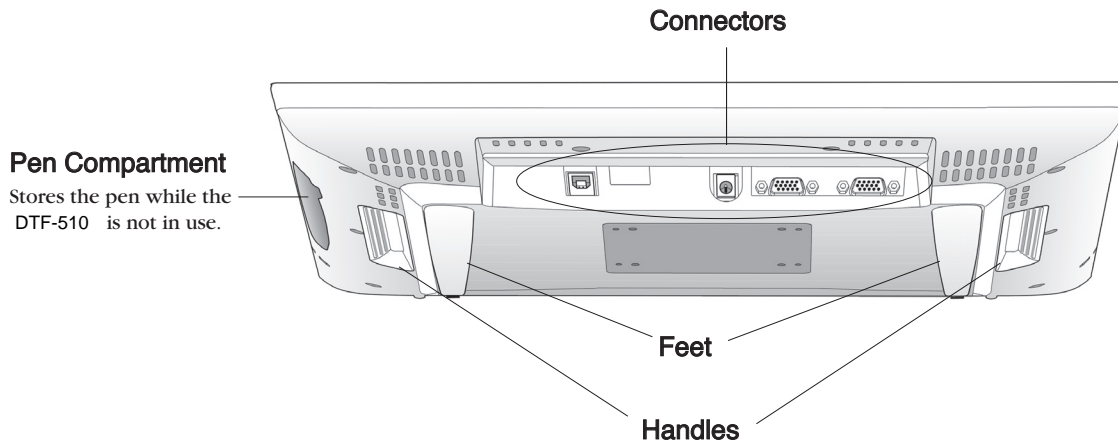
The LCD monitor and tablet sensor function\* as an integrated input and output device.

The LCD resolution is 1024 x 768 pixels at 16,777,216 colors. The tablet sensor reports coordinates and pressure information.

### **Pen Tray**

Place the pen here while the pen is not in use.

## **Rear View**



### **Pen Compartment**

Stores the pen while the DTF-510 is not in use.

### **Connectors**

### **Feet**

### **Handles**

Grab the DTF-510 here when moving to a different location.

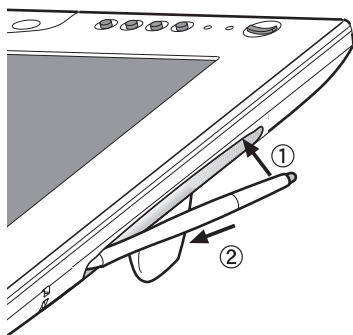
\* As the tablet portion of the DTF-510 emits electromagnetic waves at a certain frequency, if another tablet is closely placed to the DTF-510, the screen cursor may jitter or jump around. To solve this problem, place the tablet away from DTF-510.

## DTF-510| Component Functions

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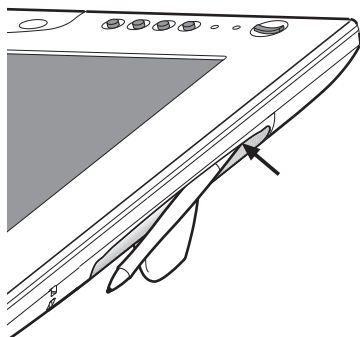
### Storing the Pen into the Pen Compartment

To store the pen:

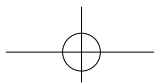


- ① Insert either end of the pen into the lower side of the pen compartment.
- ② Gently push the other end of the pen into the upper side of the pen compartment.

To take out the pen:



Gently push the pen in the upper side of the pen compartment.  
Opposit side of the pen will come out to grab.



## Using an Alternate Mount or Stand

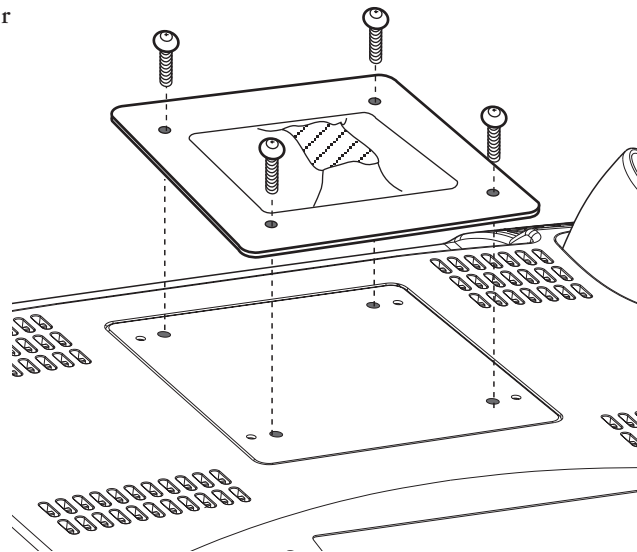
If you will be using the DTF-510 in an installation that requires the use of an alternate mounting platform, you mount the DTF-510 onto a VESA conforming mount arm or stand.

A VESA mounting platform will require mount screws that are 4 mm wide with a 0.7 mm pitch (M4 Regular).

Exceeding the screw clearance depth of 15 mm will damage the DTF-510 internal components.

To remove the adjustable stand and attach the DTF-510 to a different mounting platform:

- ① Turn off your computer and power off the DTF-510. Then disconnect all cables from the unit.
- ② Protect the display screen surface by spreading a soft cloth onto a flat table and placing the DTF-510 face down on the cloth.
- ③ Using the appropriate screws for your mounting platform, firmly attach the DTF-510 to the alternate mounting platform.



- ④ Rettach the cabling.

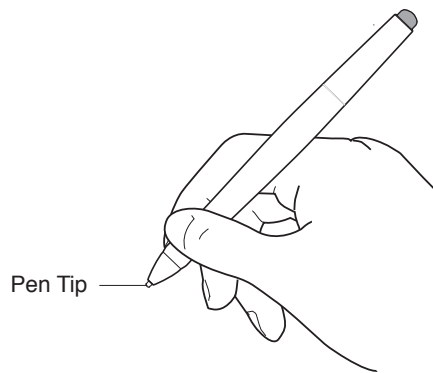
### CAUTION

When attaching the DTF-510 onto an alternate mounting platform, be sure to follow all instructions in the documentation supplied by the platform manufacturer. If improperly installed, the unit could fall and be damaged.

# Using the Pen

## Pen

Hold the pen as you would a pencil.



When the pen tip is within proximity (5 mm or 0.2 in) of the active area, the tablet reports:

- The x, y coordinates of the pen tip.
- The pressure applied to the pen tip.

When pressure is applied to the pen tip, the tip switch is turned on and the pen simulates a mouse button click.

## Using a Pen

### Pointing and Selecting

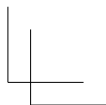
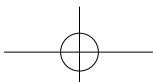
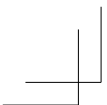
Move the pen above the DTF-510 Interactive Pen Display screen to position the screen cursor.

The cursor instantly jumps to the new location (absolute positioning). Press the pen tip on the Interactive Pen Display screen to make a selection.

**NOTE:** If the screen cursor is not aligned with the pen tip, you will need to calibrate the Interactive Pen Display.

### Clicking

Tap the Interactive Pen Display screen once with the pen tip, or touch the pen to the display screen with enough pressure to generate a mouse click.



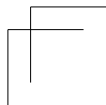
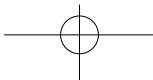
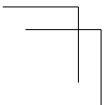
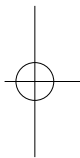
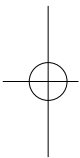
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### Double-Clicking

Press the upper side switch (Windows systems) or quickly tap the Interactive Pen Display screen twice in the same place with the pen tip. Double-clicking is easier when the pen is perpendicular to the tablet screen.

### Dragging

Select an object, then slide the pen tip across the Interactive Pen Display screen to move the object.



# Adjusting the LCD Monitor

## Factory Presets, Auto Adjust, and User Settings

**Factory Presets:** To enable DTF-510 to display the image with the best quality based on the incoming signal, the unit is programmed with some standard display modes set as defaults.

**Auto Adjust:** When DTF-510 receives a signal that is other than a default display mode, and if the horizontal frequency is between 28 to 64 kHz and the vertical frequency is between 48 to 75 Hz, an Auto Adjust function will automatically set the horizontal and vertical position, phase, and pitch.

**User Settings:** When you manually set the display using the On Screen Display (OSD) function, the settings are stored within DTF-510 for use the next time the unit receives a similar signal. This is applicable to all display modes.

## Working with OSD (On Screen Display) Menu

To open the main MENU, press the MENU (O) button.

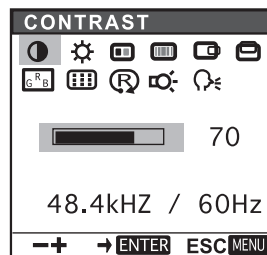
Use the + (Δ) or - (∇) buttons to select an option. When the option you want to adjust is highlighted, press the ENTER (D) button. The current settings and adjustment sub-menu for that option will appear.

Use the + (Δ) or - (∇) buttons to adjust the option settings.

When you have made your changes, press the ENTER (D) button to save. To exit, press the MENU (O) button. All settings are automatically saved when the OSD menu closes.

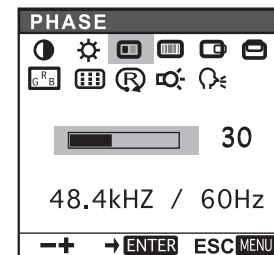
### Contrast

Select to increase or decrease image contrast.



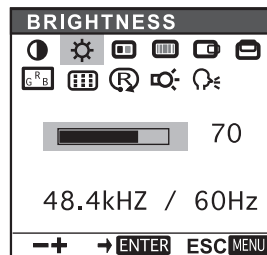
### Phase

Select to reduce or eliminate horizontal distortion lines. P18  
To automatically adjust, use the RESET option.



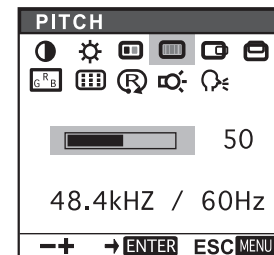
### Brightness

Select to increase or decrease image brightness.



### Pitch

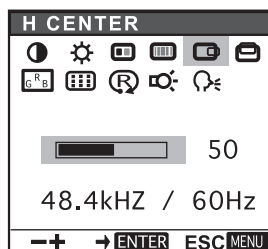
Select to reduce or eliminate vertical distortion lines. P18  
To automatically adjust, use the RESET option.





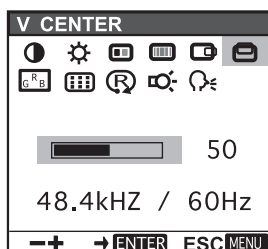
### Horizontal Center

Select to move the screen image left or right.  
To automatically adjust, use the RESET option.



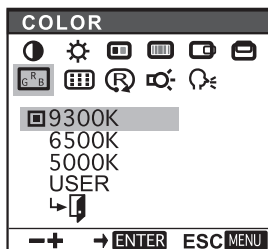
### Vertical Center

Select to move the screen image up or down.  
To automatically adjust, use the RESET option.

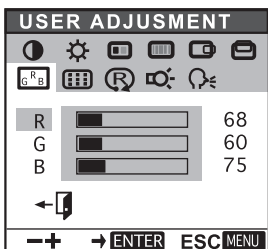


### Color

Provides settings for 9300°, 6500°, and 5000° Kelvin. Also provides a USER option that enables you to adjust red and blue independently. Choose a setting to work with and press ENTER to activate your selection. You can change the USER setting by selecting the icon '↔'.

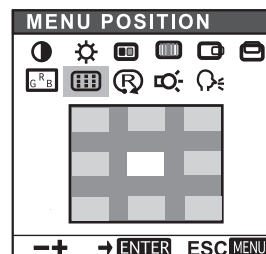


In the USER ADJUSTMENT window, change red, green and blue to calibrate.  
To exit, select the icon '↔'.



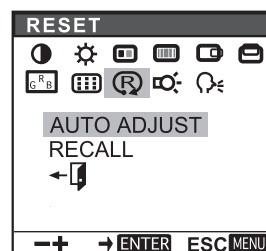
### Menu Position

Select to move the OSD menu around the display.



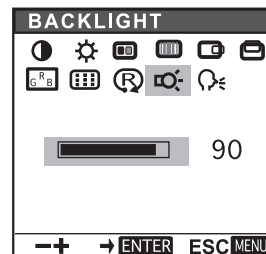
### Reset

Provides two options:  
Use AUTO ADJUST to reset only the image parameters.  
Use RECALL to reset all screen options to the factory default.  
Selecting the exit (↔) icon exits the RESET window without resetting anything.



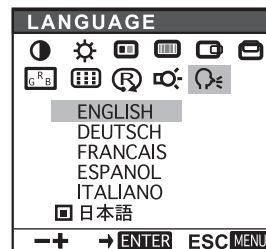
### Backlight

Selects to increase or decrease the backlight brightness level.



### Language

Select to choose a language option for the OSD:  
English, Deutsch, Français, Español, Italiano, or Japanese.



## Adjusting the LCD Monitor

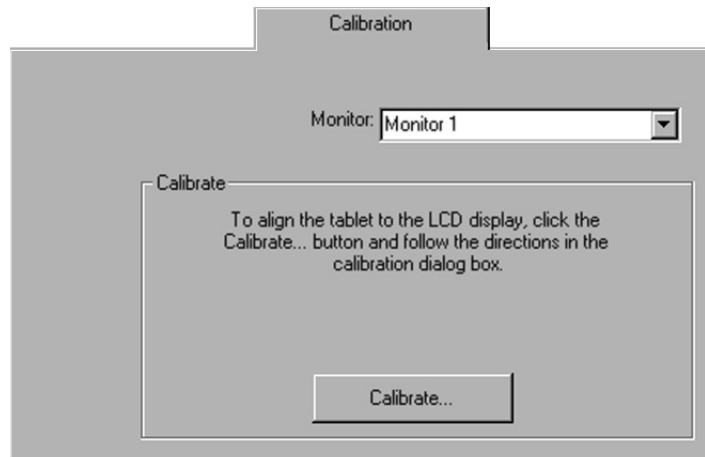
### Adjusting Pitch and Phase

Some models of computer and graphics card may not allow the Auto Adjust to fully work when DTF-510 is first connected. If the display does not fit the LCD panel border or some portion of text appears blurred, adjust pitch and phase by following the below procedure. For the best effect, a resolution of 1024 x 768 is recommended.

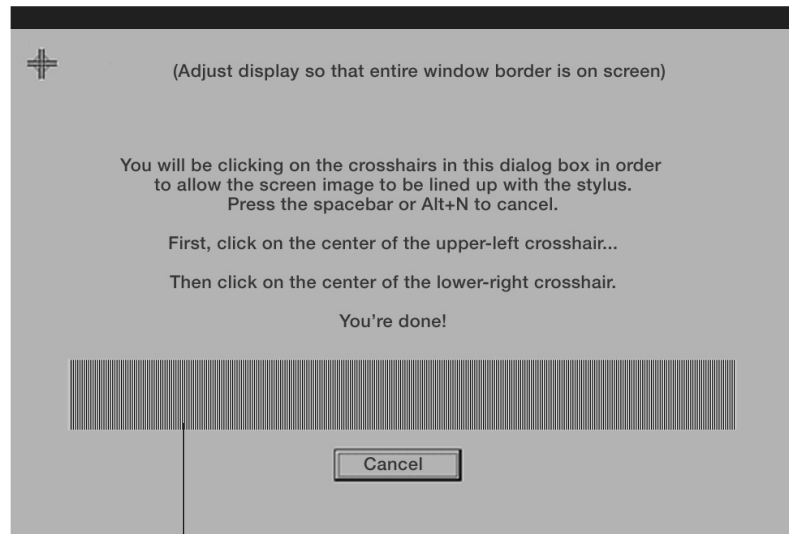
- ① From the Wacom Tablet Control Panel, select the Calibration tab.

If you are working with multiple monitors, select the Monitor that corresponds to DTF-510.

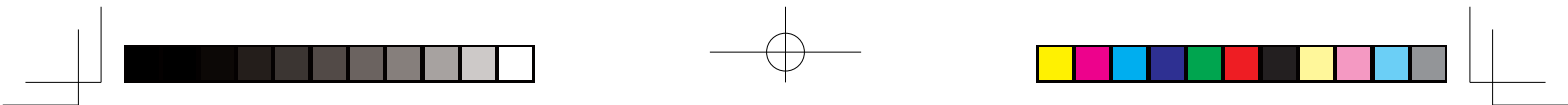
- ② Click on the Calibrate... button to display the monitor calibration screen.



- ③ Open the OSD Menu and select the Pitch icon.
- ④ Adjust the Pitch level so that the the pattern of fine vertical stripes displays evenly.
- ⑤ In the OSD Menu, select the Phase icon and adjust the Phase level so that the adjustment pattern shows clearly.
- ⑥ After completing the adjustments press the ENTER (⏏) button and MENU (⏏) button to exit the OSD Menu.



Adjustment pattern



**HINT** (Windows only): You can also adjust **PITCH** and **PHASE** in the closing Windows display.  
If the pitch is not calibrated, vertical moire appears in the darkened area. And if the phase is not calibrated, the darkened area ripples.

## Power Saving

DTE-510<sup>®</sup> conforms to VESA and Energy Star power saving guidelines. When using DTE-510<sup>®</sup> with a VESA DPMS Display Power Management Signaling (DPMS) compliant computer or graphics card, the display will automatically comply with the below power saving parameters.

Power Saving Mode	H-sync	V-sync	Video	Power Consumption	Power Lamp
Power ON	Yes	Yes	Active	40W max.	Green
Standby mode	No	Yes	Blanked	5W max.	Orange/Green
Suspend mode	Yes	No	Blanked	5W max.	Orange/Green
OFF mode	No	No	Blanked	5W max.	Orange



# Caring for DTF-510

## Cleaning

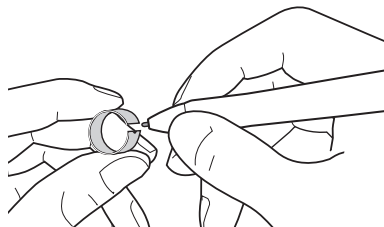
**To clean the DTF-510 casing,** use a soft cloth with mild detergent (such as dish washing liquid) diluted with water. Do not use paint thinner, benzine, alcohol, or other organic solvents to clean DTF-510 casing or pen.

**To clean the display screen,** use a soft, dry cloth. If necessary, slightly moisten the cloth with water and try again. When cleaning, apply only a light amount of pressure to the display screen and do not make the surface wet. Do not use detergent to clean the display screen; this may damage the coating on the screen. Please note that damage of this kind is not covered by the manufacturer's warranty.

## Replacing the Pen Tip

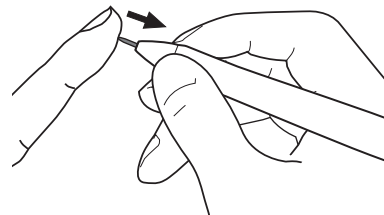
The pen tip will wear with normal use. When the nib gets too short, you can replace it with one of the extra nibs that came with your pen. If the pen tip wears and becomes angular, it may damage the coating on the cover glass of DTF-510 Interactive Pen Display. To avoid this, periodic nib replacement is recommended.

### To remove the old nib:



Clasp it with the o-ring tool that came with your pen and pull the old nib straight out of the pen.

### To insert a new nib:



Slide it straight into the barrel of the pen. Firmly push the nib until it stops. The new nib will slide into the correct position.


### CAUTION

Prevent your children from swallowing the pen nib. The pen nib may accidentally be pulled out if children are biting on them.

# Display Troubleshooting

If you encounter problems with the DTF-510 display, refer to the following tables. Your problem may be described here, and you can try the solution offered.

For the problems regarding tablet or pen, refer to the Troubleshooting chapter in the online Help that can be accessed from the Wacom Tablet control panel.

Problem	Hint
<p>The message "OUT OF SCAN RANGE" appears..</p> <div><div><b>i</b> INFORMATION</div><div>OUT OF SCAN RANGE xx .xkHz / xxHz</div></div>	<p>The frequency of input signals do not match the DTF-510. Connect different monitor and set the horizontal frequency to some value between 28 to 64 kHz and vertical frequency to same value between 48 to 75Hz.</p>
<p>■ The message "NO INPUT SIGNAL" appears..</p> <div><div><b>i</b> INFORMATION</div><div>NO INPUT SIGNAL GO TO POWER SAVE</div></div>	<p>■ Check the video cable for bent or broken connector pins. Then properly connect the video cable.</p> <p>■ If your computer is in the power management mode, move the mouse or hit any key on your keyboard.</p> <p>■ Verify that the graphics card is properly installed.</p>
<p>■ The power lamp is lit orange, or flashes orange and green</p>	
<p>The message "CABLE DISCONNECTED" appears.</p> <div><div><b>i</b> INFORMATION</div><div>CABLE DISCONNECTED GO TO POWER SAVE</div></div>	<p>■ Check the video cable for bent or broken connector pins. Then properly connect the video cable.</p> <p>■ Verify that you are using the video cable that came with the DTF-510.</p>
<p>■ No display. The LED is off.</p> <p>■ No display, even though power switch is turned on..</p>	<p>■ Verify that the AC power cord is connected, and that the DTF-510 power switch is turned on.</p> <p>■ Verify that the Analog (VGA)/Digital (DVI) switch is properly set.  P.6 Restart your computer after changing the position of the switch.</p>

Display Troubleshooting

Problem	Hint
Display ripples or flickers	<ul style="list-style-type: none"><li>■ As necessary, adjust PITCH and PHASE. ⓘ P.16, 18</li><li>■ Verify that the display adaptor or graphics card matches DTF-510 specifications.</li><li>■ Adjust the refresh rate of your computer.</li></ul>
Display is not clear.	<ul style="list-style-type: none"><li>■ As necessary, adjust CONTRAST or BRIGHTNESS. ⓘ P.16</li><li>■ As necessary, adjust PITCH and PHASE. ⓘ P.16, 18</li><li>■ Set the resolution rate to 1024 x 768.</li></ul>
Display is doubled or tripled.	<ul style="list-style-type: none"><li>■ Do not extend the video signal cable. Do not use an input selector.</li><li>■ Verify that the video signal cable is firmly attached to the connector.</li></ul>
<ul style="list-style-type: none"><li>■ The display and LCD panel are not lined up.</li><li>■ Display size is not correct.</li></ul>	<ul style="list-style-type: none"><li>■ As necessary, adjust PITCH and PHASE. ⓘ P.16, 18</li><li>■ Adjust HORIZONTAL and VERTICAL POSITION. ⓘ P.17</li></ul> <p>Note that some graphics card may not show display in proper size.</p>
Display is dark.	<ul style="list-style-type: none"><li>■ Adjust BRIGHTNESS. ⓘ P.16</li><li>■ Adjust BACKLIGHT. ⓘ P.17</li></ul>
<ul style="list-style-type: none"><li>■ Display ripples or shows moiré.</li><li>■ Color is not even.</li></ul>	<ul style="list-style-type: none"><li>■ As necessary, adjust PITCH and PHASE. ⓘ P.16, 18</li></ul>
The color white does not display as white.	As necessary, adjust COLOR. ⓘ P.17

# Specifications

## General Specifications

Physical dimensions (WxDxH): 400x340x109.5mm  
Weight: 4.9kg  
Main Unit input Voltage: DC12V  
Power consumption: 40W or less (DC12V)  
Operating temp. & humidity: 5 to 35 deg. C, 80%RH (non condensing)  
Storage temp. & humidity: 10 to 60deg. C, 90%RH (non condensing) (maximum storage temperature is 38% at 60 deg.C, and maximum storage humidity is 42 deg. C at 90% humidity)

## LCD Display

Display: a-Si TFT active matrix LCD  
Screen size: 15 inch  
Resolution (75Hz Max.): 1024x768 pixels (XGA), 800x600 pixels (SVGA), 640x480 pixels (VGA)  
Pixel pitch: 0.297(W) x 0.297(H)mm  
Color depth: 256 levels: 16,777,216 colors (24 bit)  
Signal Inputs: Analog RGB:—0.7Vp-p, 75ohms, positive  
Synchronous signals: TTL level, 2.2kohms, free polarity (H/V separate or complex sync).  
Synchronous frequency: H-30 to 56.5kHz, V-60 to 70Hz

### Plug and Play

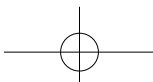
Std. Display Modes (default)

DDC2B

Res. dots x lines	H. freq. (kHz)	V. freq. (Hz)	H/V pol.
720x400	31.47	70.08	-/+
640x480	31.47	60.00	-/-
640x480	35.00	67.00	-/-
640x480	37.50	75.00	-/-
800x600	37.88	60.32	+/+
800x600	46.86	75.00	+/+
832x624	49.72	74.55	-/-
1024x768	48.36	60.00	-/-
1024x768	56.48	70.10	-/-

All scan modes are non-interlaced.

On a TFT liquid crystal display, a very small number of pixels may be permanently illuminated or not illuminated at all. This does not mean that the display is defective.



# Specifications

## Tablet

Reading technology:	Electromagnetic give and receive method
Active area:	304.1 x 228.1mm
Resolution:	20 lpmm (0.05mm) max.
Accuracy:	+/-0.5mm, four corners ( 7 mm wide, 25 mm long from each corner of four "L" shaped areas) to be +/-1.0mm
Maximum reading height:	5mm
Maximum report rate:	185 points/sec., max (RS-232C) 93 points/sec., max (USB)
Pressure levels:	512 levels
Communication interface:	USB or RS-232C serial

## Power Adaptor

Input voltage:	100 to 240 VAC, 50/60 Hz
Output voltage:	12 VDC, 3.3 A

## Pen

Pressure levels:	512
Pen tip travel:	0.1 mm (0.004 in) or less
Physical dimensions, weight:	11.4 x 140.5 mm, 12g (0.45 x 5.53 in, 0.40 oz)

## Pen Accessories

Extra nib:	PSI-A021
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# Appendix

## Warranty on Sales in Asia-Pacific area

Warranty is one (1) year from the date of purchase evidenced by a copy of the receipt. Upon discovery of a defect in the product, except in the Software, within the Warranty Period you should notify your local dealer or distributor.

Should you have any questions about this term, or if you desire to contact WACOM for any reason,

Contact your local distributor or:

Phone:	++81-3-3371-1595	Technical support (English)
FAX:	++81-3-3371-1468	A support technician will respond (English)
Internet email:	asia-pacific@wacom.co.jp	Sales and support (English)

### Federal Communication Commission Interference Statement

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

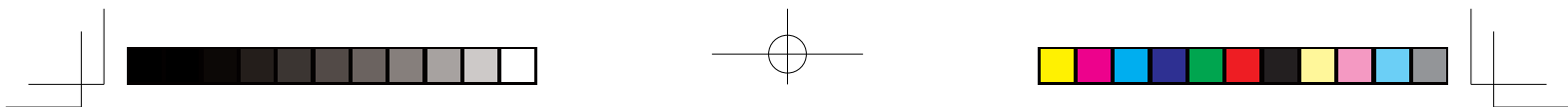
and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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 technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.



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***Wacom web site:*** <http://www.wacom.com>

