

ENGLISH

한국어

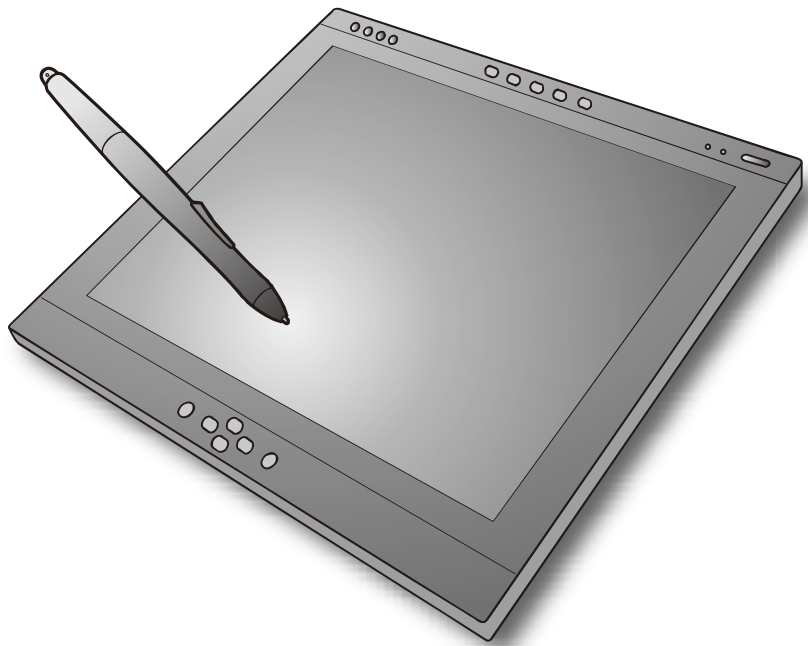
中文 (繁體)

# INTERACTIVE PEN DISPLAY DTF-720C

## User's Guide

사용 설명서

使用手冊





# DTF-720C User's Guide

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# Safety Precautions

The following symbols appear throughout this user guide in order to ensure safe use of the DTF-720C (hereafter referred to as “DTF-720C,” “the product” or “this product”). Please read these items carefully and always heed the Warning and Caution items when using your DTF-720C.

|  |   |
|--|---|
|  | <b>Warning</b> This symbol indicates an item that, if ignored when handling the product, could lead to the loss of life or serious injury.    |
|  | <b>Caution</b> This symbol indicates an item that, if ignored when handling the product, could lead to injury or damage to personal property. |

**Meanings of Symbols:** Indicates that it is important to be careful when taking the action or actions noted.

Indicates that the action or actions noted are to be avoided.

Indicates it is important to take the action or actions noted.

| <b>Warning</b>   |   |
|--|---|
| <p>■ <b>Do not use the product in a facility control system that requires an extremely high level of reliability.</b><br/>This product may cause other electronic devices to malfunction, or other devices may cause this product to malfunction. </p> <p>■ <b>Turn this product off in places where the use of electronic equipment is prohibited.</b><br/>In airports, hospital intensive care units and other such places where the use of electronic equipment is prohibited, this product may adversely affect the operation of other electrical devices. In order to prevent this, when in such locations, always disconnect the product’s USB connector from your computer and turn off the switch. </p> <p>■ <b>Do not open the back cover.</b><br/>Inside this product there are several high-voltage parts. Persons other than professional service personnel should never open the back cover of this product. Unauthorized opening of the back cover may lead to fire or electric shock. </p> <p>■ <b>When this product ceases to operate normally due to being dropped or a similar cause, remove the power source cable from the electrical outlet.</b><br/>Leaving the power cable connected may result in fire or electric shock. </p> | <p>■ <b>Regarding the power plug and power adapter.</b></p> <p>-Please remove dust from the power plug regularly. The addition of moisture, etc. to accumulated dust may lead to fire. </p> <p>-Please do not use any power adapters other than those included with the product. Ignoring this warning may result in fire or product failure. </p> <p>-Please do not damage or forcibly bend or bundle the power adapter cord. Also, please do not place heavy objects on it or expose it to excessive heat. Ignoring this warning may result in fire, electric shock or product failure. </p> <p>-In the unlikely case that the power adapter should produce smoke or a strange odor, please disconnect it from the wall outlet and return it to either the store where you purchased it or to the Wacom Customer Support Center for repair service. </p> <p>-Please do not connect or disconnect the power adapter with wet hands. Ignoring this warning may result in electric shock or malfunction. </p> <p>-Please do not open or otherwise change the power adapter. Ignoring this warning may result in fire or electric shock. </p> |

## Caution

### ■ Do not use organic solvents to clean this product.

When cleaning the product, never use such organic solvents as alcohol. Such solvents may cause discoloration and deterioration in quality.



### ■ Do not let the product get wet.

Please do not place containers such as cups and vases containing water near the product. Coming in contact with water or other liquids may cause product failure.



### ■ When cleaning this product, always disconnect the USB connector.

When cleaning the product, always disconnect the USB connector from the USB port of the computer. Failure to do so may result in electric shock.



### ■ While this product is in use, avoid placing any metal objects on it.

Do not place any metal objects on the product while you are using it. This may result in malfunction or product failure.



### ■ Do not touch any liquids that may be leaking from this product.

The liquid contained in the product is an irritant. In the unlikely case that such liquid should leak, never touch it with bare hands. In case of contact with skin, mouth or eyes, rinse immediately with running water and continue rinsing for 15 minutes or longer. Also consult a physician.



### ■ Do not use excessive force with the cable.

Please do not step on, or place heavy objects on any of the product's cables. Also, do not apply excessive force to the base of the cable or repeatedly bend and stretch it, as this may cause it to break or malfunction.



### ■ Do not place the product on unstable surfaces.

Do not place the product where it is likely to totter, lean or be exposed to strong vibrations. Doing so may lead to the product falling, resulting in injury and/or product failure.



### ■ Do not place heavy objects on the product.

Do not put excessive weight, or place heavy objects on the product. These actions may cause product failure.



### ■ When connecting the power plug

When plugging the power adapter into an electrical outlet, also connect a grounded wire.



### ■ When not using this product for a long period of time

For safety reasons, when you will not be using the product for a considerable length of time, disconnect the power adapter from the electrical outlet.



### ■ Do not use this product in a dusty environment.

Dust can cause damage to the product.

### ■ Do not block the ventilation holes on the backside of the product.

Blocking these holes may cause internal overheating and subsequent damage.



### ■ Do not pick up the product by its stand.

If excessive force is used in handling the stand, its open and close function may become damaged. When picking up the product, always pick it up by the body.



### ■ Regarding the Pen

-Do not strike hard objects with the metal Pen. Doing so may cause damage to the product.



-Be careful to not allow small children to put either the pen or the spare nib into their mouths. There is the danger that the nib or side switch may be accidentally swallowed or that the pen may be damaged.



### ■ Do not place the product in either very hot or very cold places.

Do not place the product in very hot (35 degrees centigrade or more) or very cold (5 degrees centigrade or less) locations. Also, avoid placing it in locations with severe temperature fluctuations as this may adversely affect the product and cause product failure.



### ■ Do not disassemble the product.

Do not disassemble or modify the product, as these actions may lead to fire, excessive generation of heat, electrical shock or injury. The guarantee on the product will become null and void if the product is ever disassembled.



### ■ Do not connect or disconnect any cable while the product or your computer is on.

Do not connect or disconnect any cable (including the USB cable) or the power adapter while your computer or this product is turned on. This may cause damage to the product or to your computer.



## Please take the following precautions to protect the health of your eyes

- When using the product, make sure that the room is sufficiently illuminated and be careful not to get your face too close to the screen.
- Take regular breaks when using the product over an extended period of time.

## Warranty Exclusions

- Wacom will not bear any responsibility for damage caused by fire, earthquake, accidents caused by third persons, intentional or accidental abuse by the customer or any other damage caused by abnormal use of the product.
- Wacom will not bear any responsibility for contingent damages (such as loss of business profits, suspension of operations, alterations to and disappearance of data, etc.) caused by use of, or inability to use, this product.
- Wacom will not bear any responsibility for damage resulting from the use of this product in a fashion other than as explained in this user guide.
- Wacom will not bear any responsibility for damage resulting from malfunctions caused by using this product in conjunction with adaptation equipment or other company's software.

## Regarding Trademarks

- Wacom is a trademark or registered trademark of Wacom Company, Limited.
- Windows is a trademark of Microsoft Corporation, registered in the United States and other countries.
- Macintosh is a trademark of Apple Computer, Inc., registered in the United States.
- Other product names and related items are the trademarks or registered trademarks of each concerned company.

## Precautions

- 1 Wacom Company, Ltd. holds the copyright to the auxiliary tablet.
- 2 The unauthorized duplication or reproduction in whole or in part of the tablet driver or this user guide is expressly prohibited.
- 3 Wacom reserves the right to change the configurations or specifications of the tablet driver or the product, as well as the contents of this user guide, without prior notice.



As a participant in the Energy Star program, Wacom has determined that this product meets the standards of the Energy Star program.

## Regarding this User's Guide

This user's guide contains instructions regarding the set up, installation, functions and methods of use of this product. The product consists of the LCD monitor and the tablet, which will act as two distinct pieces of equipment to be used in conjunction with your computer. First, you will set up the display device and then you will install the tablet driver in your computer. You will then be able to use this product as a built-in display tablet.

Analog RGB compatible video output is necessary for the screen display of this product. For information regarding how to use video cards, refer to the instruction

## Please be aware of the following regarding the LCD display.

Depending on what is being displayed, bright or dark green, red and blue dots may show up on a very small portion of the LCD display screen. These do not indicate product failure or a lack of quality.

## Federal Communications Commission (FCC) Notice

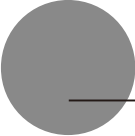
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate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

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.

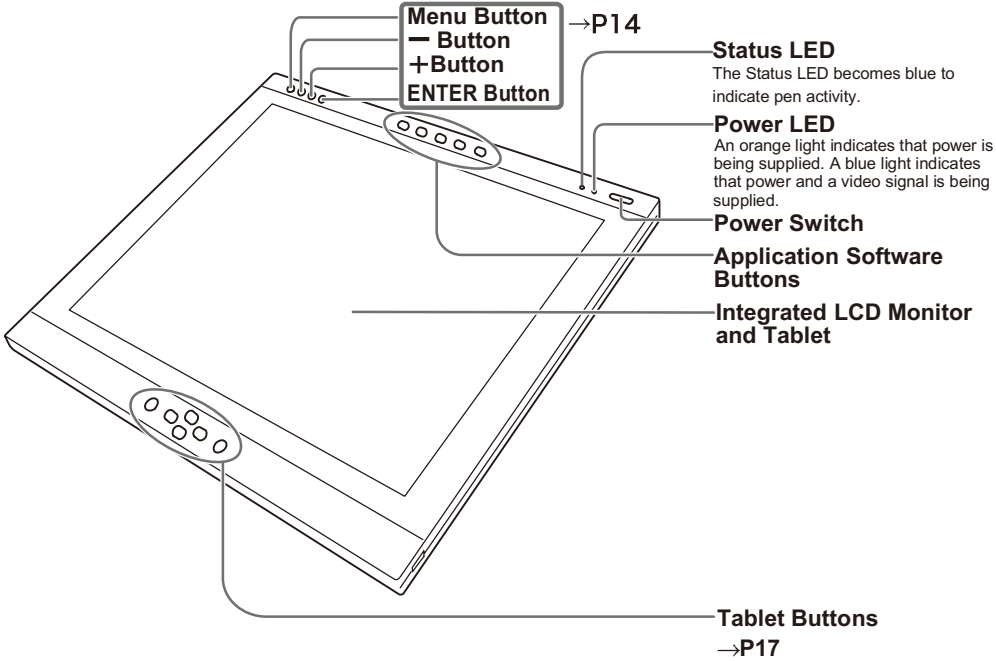
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

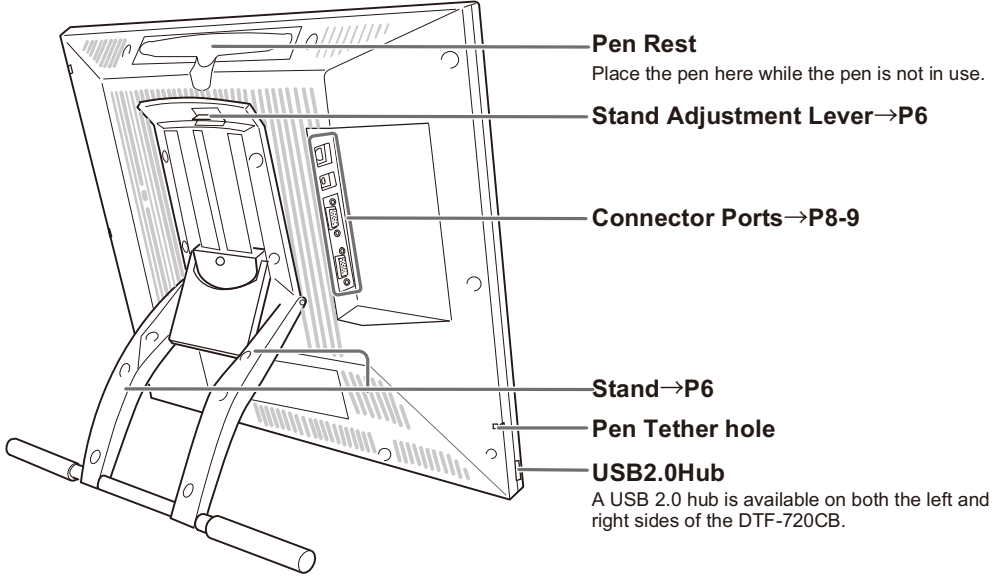


# Component Functions

## Front



## Back



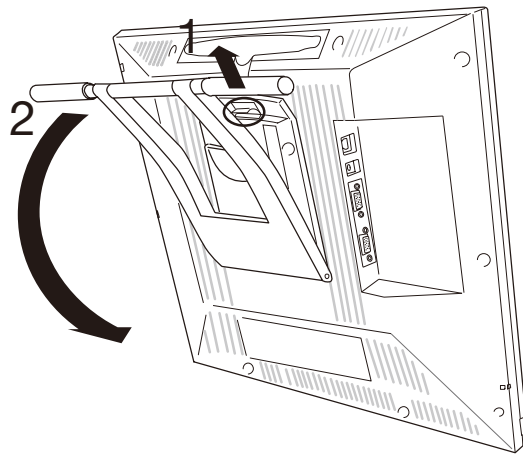
## Adjusting the Stand

- 1 Pull up on the stand adjustment lever.

### **Caution**

Please hold the stand carefully as you adjust it to prevent injury or damage to the product.

- 2 Lower the stand carefully.

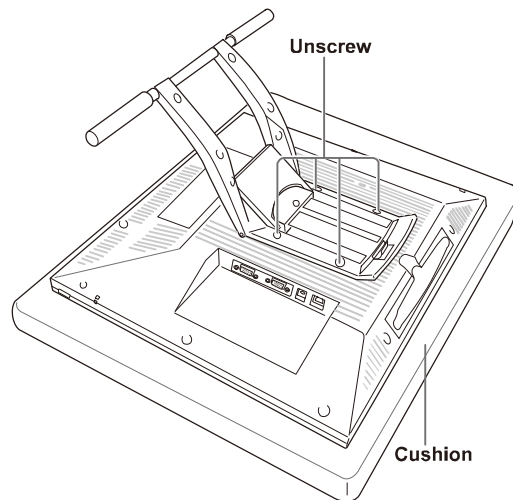


## Installing DTF-720C on a Mount Arm

This product conforms to the Video Electronics Standard Association's (VESA) Flat Panel Monitor Physical Mounting Interface Standard (FPMPMI).

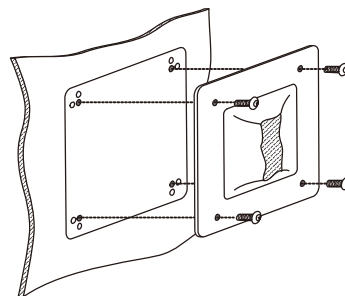
This product can be removed from the stand and mounted on such apparatuses as a VESA-standard mount arm. In order to do this, M4/0.7 mm screws, which are not included with the product, are needed. Use screws that will, at the time of installation, penetrate the surface of the product by no more than 15 mm. Use of longer screws may result in damage to internal parts of the product.

- 1 Make sure that both your computer and the product are turned off and that all cables are disconnected.
- 2 Place the display unit face down on a flat surface. To prevent harm to the front of the unit, first spread a cloth or similar material on the flat surface as a cushion.
- 3 Remove the four screws that hold the stand to the unit.
- 4 Using four M4/0.7mm screws, securely mount the arm or similar apparatus to the back of the unit.
- 5 Connect the cables and save the screws that you removed in step 3.

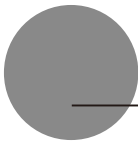


### **Caution**

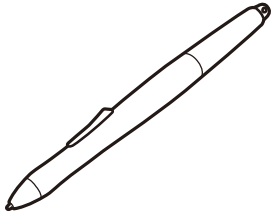
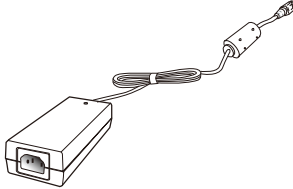
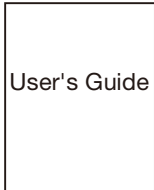
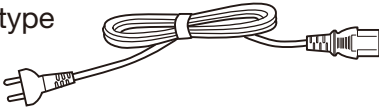
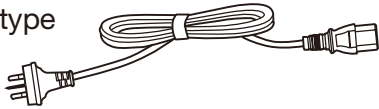
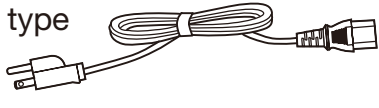
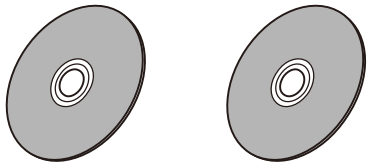

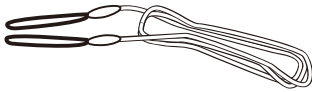

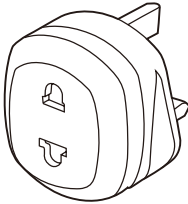
When installing the unit on a mount arm or other stand, always follow the directions in the instruction booklet for the mount arm or stand, as well as the instructions contained in this document. Incorrect installation may result in the product coming loose and falling, possibly causing product failure.





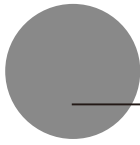


# Accessory Check

|  |   |
|--|---|
| <p>● Pen</p>    | <p>● Power Adapter</p>    |
| <p>● User's Guide (This booklet)</p>                      | <p>● Power Cables</p> <p>EU type </p> <p>AU type </p> <p>TW type </p> |
| <p>● Tablet Driver CD-ROM<br/>● Application CD-ROM</p>  | <p>● Analog RGB Cable</p>   |
| <p>● Pen Tether</p>                                     | <p>● USB Cable</p>    |
| <p>● Adapter Plug (UK type)</p>                         |   |



Do not throw the box away; it is useful for the storage and transport of the product.



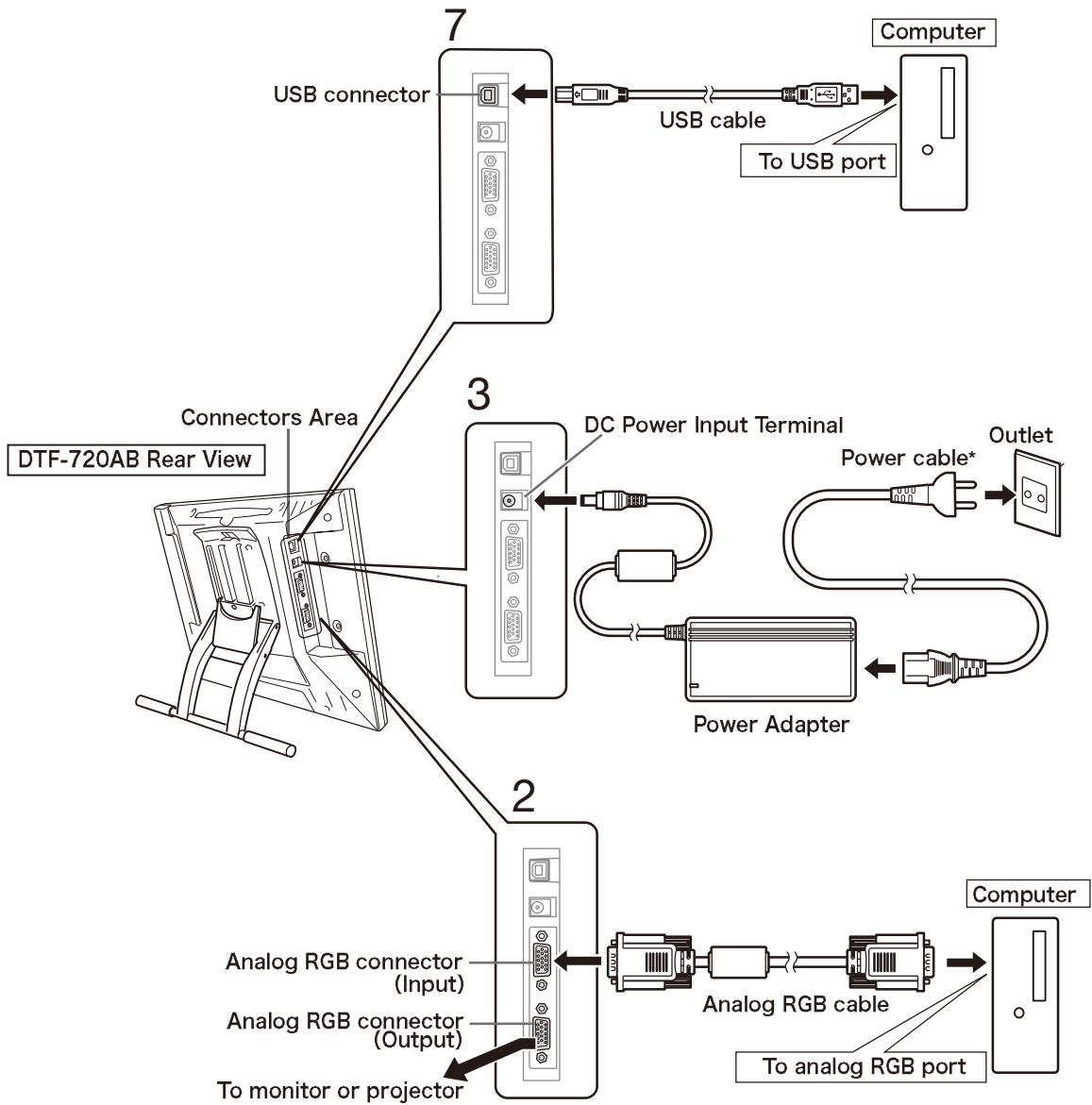
## Connecting DTF-720C


- 1 Be sure that the power is off on both your computer and the product.
- 2 Connect the Analog RGB cable to your computer's display port.
- 3 Connect the power adapter to the power cable and connect the DC power connector to the DC power input terminal. Next, plug the power cable into your electrical outlet.
- 4 Turn on the product's power switch.  
The Power LED lamp will flash blue then turn orange.
- 5 Turn on your computer.
- 6 While looking at the LCD screen, configure the color resolution and size settings.  

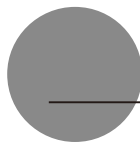
⚠ - Do not modify the refresh rate. Setting the rate to a value that exceeds the DTF-720C refresh rate may result in loss of picture.

  - The color palette settings and corresponding number of colors displayed are as follows:  
High Color (16 bit) → 65,536 colors / True Color (24 bit) → 16,777,216 colors

\*The number of colors is limited by the efficiency of your computer and video card. For details, refer to the user's manual provided by the manufacturers.
- 7 Connect the product to the computer using the USB cable. You may notice that the pen now responds when placed near the screen surface, but will function properly only after the driver has been installed.
- 8 Install the DTF-720C driver (Please refer to "Installing DTF-720C Driver" on page 10).



 \* Please use the proper power cord or adapter plug for your region.



# Installing DTF-720C Driver

## Windows Setup

Before installation, connect the DTF-720C USB cable to your computer and turn the unit on.

Please note that the driver for Windows 2000 are no longer included on the tablet driver CD-ROM. If you plan to use your DTF-720C with a PC running Windows 2000, please download the appropriate driver from [http://www.wacom-asia.com/download/download\\_index.html](http://www.wacom-asia.com/download/download_index.html)

## Installing the Tablet Driver


- 1 Insert the tablet driver CD into the CD-ROM drive. The install menu should automatically display. If the menu does not display, double-click on the INSTALL icon (located on the CD).
- 2 The install menu will appear. When you click on INSTALL TABLET, the LICENSE AGREEMENT dialog will appear.
- 3 Click Accept.
- 4 When the installation finishes, click OK.
- 5 Next, install the button driver.
- 6 Click NEXT in the WELCOME TO WACOM BUTTON DRIVER VER.x.xx SETUP dialog.
- 7 The LICENSE AGREEMENT dialog will appear. Click Next.
- 8 Follow the prompts to install the driver software.
- 9 The INSTALLWIZARD COMPLETE dialog will appear. Click FINISH.
- 10 Return to the install menu. Click FINISH.
- 11 See "How to use the Tablet Buttons" section (P17) for more info about tablet buttons.

## Mac OS X Setup

- 1 Connect the USB cable to your computer, turn on the product and start up your Macintosh.
- 2 Close any open applications and temporarily turn off any virus-monitoring programs.
- 3 Insert the Tablet Driver CD-ROM into your computer's CD-ROM drive and open the CD-ROM and double-click on Install or Install.app.

 \*After installing OS X, input your password.

- 4 Click on Install Wacom Tablet and installation will begin. Thereafter, follow the screen instructions and continue the installation process.  
If during processing, the identity confirmation dialog box displays, input your password \*.
- 5 After the tablet driver installation is complete, restart Macintosh.

 Macintosh OS x 10.2 and newer versions include as a standard feature the Inkwell function. If this function is on, the yellow Inkwell memo pad will appear after installation of the Tablet Driver. To disable this function, click on Ink from the Control Panel, click on Settings and remove the checkmark from Allow Me to Write Anywhere.

## Uninstalling the Tablet Driver

### Windows

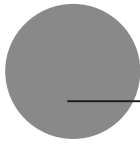
When uninstalling the tablet driver from your PC follow the instructions below. (These instructions are the same for Windows 7 / Vista / XP)

\*Users of Windows with system administrator settings in place (administrator or administrator account) should log in with the administrator user name to uninstall the drivers.

- 1 Click on the Windows Start button and open the Control Panel. Double click the Programs and Features icon or the Add and Delete Program (Application) icon.
- 2 Select Pen Tablet from the list and click the Uninstall or the Modify (Add) and Uninstall or Delete button. Follow the instructions in the dialog box to initiate uninstall.  
If Windows is restarted, it is deleted.

### Macintosh


- 1 Open the Applications folder and then open the Tablet folder.
- 2 Start up Remove Tablet and follow the instructions to initiate uninstall.




# The DTF-720C Display

## The Auto-Adjust Function

In order to ensure optimal display image quality, this product utilizes the Auto-Adjust function. When the Auto-Adjust function is operating, it may take a short time before the screen displays properly. The settings initiated by Auto-Adjust are saved in the display.

 If the Auto-Adjust function is operating, the horizontal and vertical positions as well as the phase and pitch of the display are adjusted automatically when the display mode is received. The Auto-Adjust function becomes operational when the horizontal frequency is in the 30-80KHz and the vertical frequency is in the 50-75Hz range.


 When the Auto-Adjust function is operating, only the power switch is operational.

Pen calibration may be necessary after adjusting screen position. ( → P13)


## The DTF-720C Power Saving Function

This product is in compliance with VESA and ENERGY STAR power-saving guidelines. When connected to a Display Power Management (DPMS)-compatible computer and graphics board, the power savings indicated below are automatically realized during times of non-operation.

| Computer Activity                 | Horizontal Synchronizing Signal | Vertical Synchronizing Signal | Picture Signal | Power Consumption | Power Lamp   |
|-----------------------------------|---------------------------------|-------------------------------|----------------|-------------------|--------------|
| Turned On (Normal operation mode) | Yes                             | Yes                           | Yes            | 28W               | Blue         |
| Stand-by Mode                     | No                              | Yes                           | No             | Less than 1W      | Orange/Blue* |
| Suspend Mode                      | Yes                             | No                            | No             | Less than 1W      | Orange/Blue* |
| Off Mode                          | No                              | No                            | No             | Less than 0.5W    | Orange       |

 \* Depending on the specifications and settings of your computer and video card, when in standby and suspend modes, the power lamp may only light up orange.

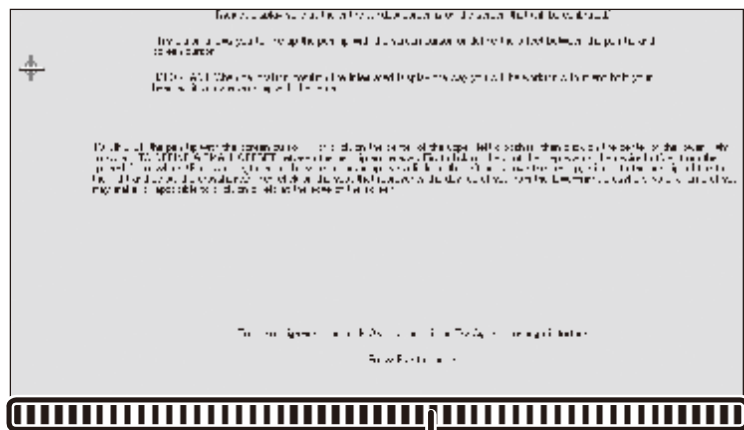
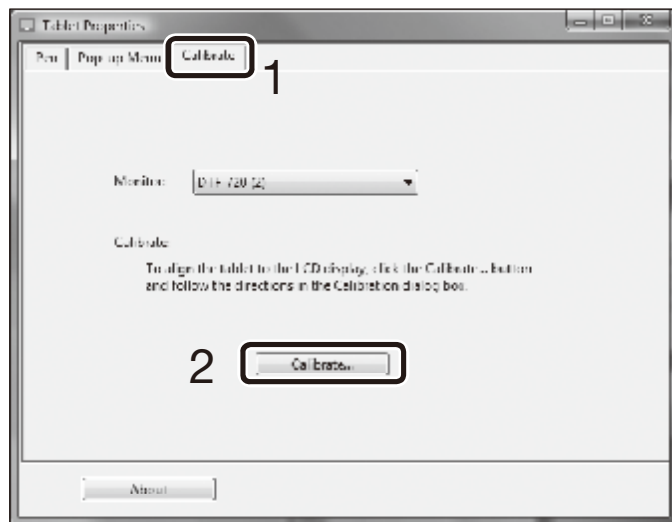
## Blurring and Protrusion of the Picture from the LCD Panel

 This setting is effective when the product and computer are connected by a RGB cable.


Depending on the type of computer and graphics board, the Auto-Adjust function is sometimes not able to operate at full power, resulting in the picture blurring and protruding from the LCD panel. If this happens, adjust the pitch and phase. At 1280 x 1024 pixels, the resolution is optimally adjusted.

### Procedure:

- 1 Open the Tablet Control Panel (see page 18) and select the Calibrate tab.
- 2 Click on the Calibrate... button. An adjustment pattern for pitch and phase will appear.
- 3 Using the OSD buttons, open the OSD Menu and select the Pitch icon.
- 4 Adjust the pitch level so the pattern of fine vertical stripes displays evenly.
- 5 Press the ENTER button and return to the Menu screen.
- 6 In the OSD Menu, select the Phase icon.
- 7 Adjust the phase level so the adjustment pattern shows clearly.
- 8 After completing these adjustments, press the ENTER and MENU buttons to exit the OSD Menu.

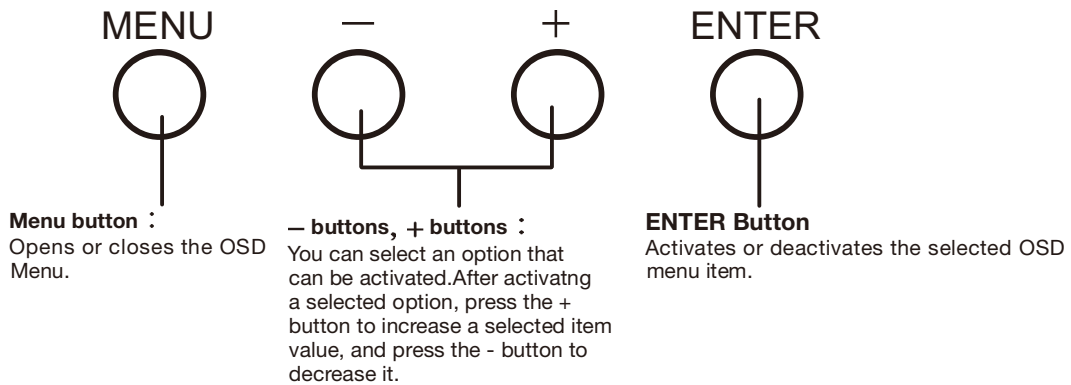


Adjustment pattern for pitch and phase

 For Windows system except Windows XP, the pitch and phase may be calibrated after the Exit Windows screen is displayed. If the frequency needs to be calibrated, light and dark vertical stripes will appear in the dark areas of the screen. If the tracking needs to be calibrated, light and shade will appear horizontally in the dark areas of the screen (for 1280 x 1024 resolution).

This method is recommended in situations where the tablet driver has not been installed.

## On-Screen Display (OSD) Menu Buttons



## Using the OSD Menu

Adjusting picture quality and setting up the display are accomplished by using the OSD menu buttons to establish and change adjustment items and values. Click on the Menu button and the OSD menu screen appears. Select the items to be adjusted and your desired settings.

### How to Use the OSD Menu

- 1 Click on the Menu button to display the Main Menu Settings screen.

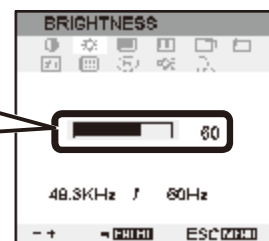
Example: Adjusting brightness

+button can select to the right direction.  
 -button can select to the left direction.

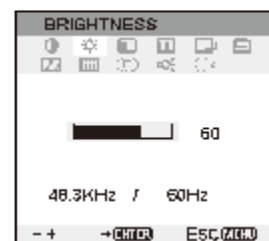


- 2 Click on the + button and the - button and select the items to be adjusted.

+ button can increase numeric value.  
 - button can decrease numeric value.



- 3 When the option you want to adjust is highlighted, press the ENTER button. Use the + and - buttons to adjust numerical values and other items.
- 4 After making your change, press the ENTER button to save.
- 5 To exit, press the Menu button.





## Types of OSD Menu

### Contrast

Select to increase or decrease image contrast.

⚠ Cannot be adjusted if DIRECT is selected in the Color menu.



### Language

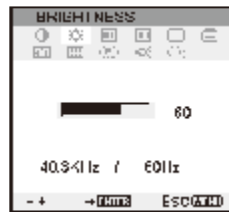
Select to choose a language option for the OSD: English, Deutsch, Francais, Espanol, Italiano, or Japanese.



### Brightness

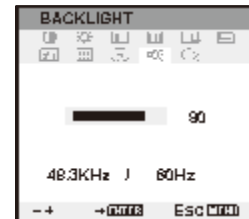
Select to increase or decrease image brightness.

⚠ Cannot be adjusted if DIRECT is selected in the Color menu.



### Backlight

Select to increase or decrease the backlight brightness level.



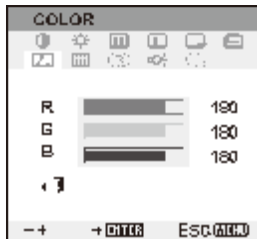
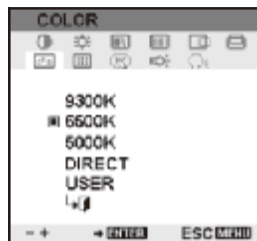
### Color

Provides settings for 9300K, 6500K, and 5000K Kelvin. Also provides a User option that enables you to adjust red, blue and green independently.

Selecting DIRECT displays the received signal as it is without any adjustment. Choose a setting to work with and press Enter to activate your selection.

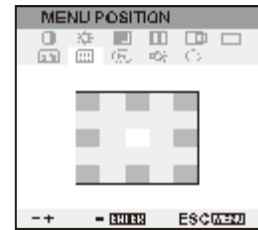
You can change the user setting by selecting the icon '↵'.

In the User Adjustment window, change red, blue and green to calibrate color. To exit, select the icon '↵'.



### Menu Position

Select to move the OSD menu around the display.



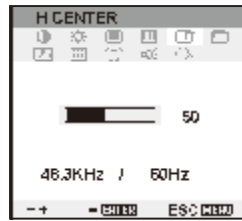
### Reset

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.



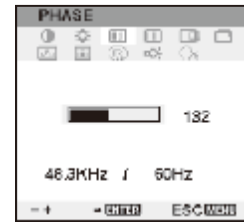
### Horizontal Center

Select to move the screen image left or right.  
To automatically adjust, use the Reset menu.



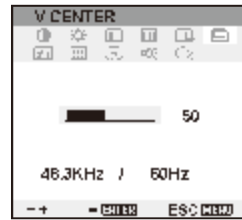
### Phase

Select to reduce or eliminate horizontal distortion lines.  
To automatically adjust, use the Reset menu.



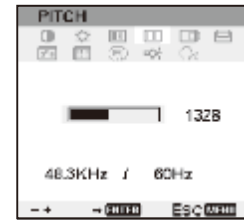
### Vertical Center

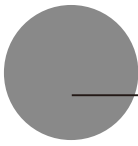
Select to move the screen image up or down.  
To automatically adjust, use the Reset menu.



### Pitch

Select to reduce or eliminate vertical distortion lines.  
To automatically adjust, use the Reset menu.






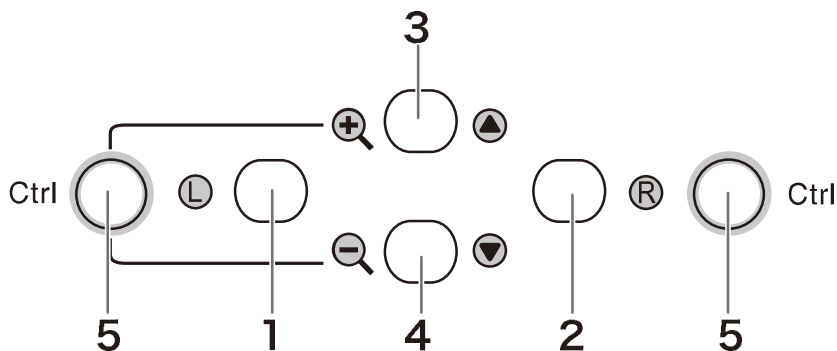
# Basic operation

## How to use the Tablet Buttons

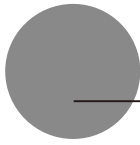
The tablet buttons increase your work efficiency by making navigating through documents and websites quick and simple.

 The tablet buttons can be used in Windows-based PCs. To use the tablet buttons, install the button driver to your PC. (▶ P10)

### Component Functions



| NO | Name               | Function                                    |
|----|--------------------|---|
| 1  | Left mouse button  | Works like the left mouse button.           |
| 2  | Right mouse button | Works like the right mouse button.          |
| 3  | Scroll up button   | Scrolls the window up.                      |
| 4  | Scroll down button | Scrolls the window down.                    |
| 5  | Ctrl button        | Works like the Ctrl button on the keyboard. |



# Using the Control Panel

Change the settings for the pen and adjust the pointer and pen tip positions with the control panel.

\*When connecting and using multiple tablets, see page 22.

## Displaying the Control Panel

### Opening the Control Panel in Windows

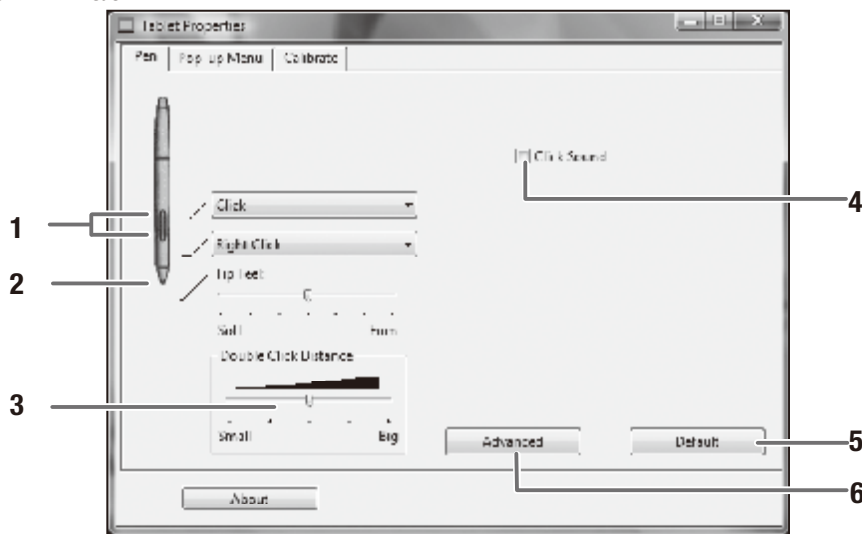
Click on the Windows Start button, go to All Programs (P) or Programs (P), open Tablet and select Pen Tablet

### Opening the Control Panel in Macintosh

Open System Preferences from either the Dock, the Apple Menu or from the Applications folder. Then click on the Pen Tablet icon.

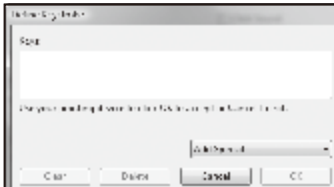

## Control Panel Basics

Select the PEN tab.



| NO | Setting Item                               | Description   |
|----|--|---|
| 1  | The second side switch and the side switch | Selects the side switch button functions for pens equipped with a side switch. See page 19-20.  |
| 2  | Tip Feel                                   | Customizes the amount of pressure needed to click or draw with the pen.   |
| 3  | Double Click Distance                      | Adjusts the size of the double-click area. See page 19.   |
| 4  | Click Sound                                | When checked, an audible "click" sound will be heard whenever a pen click occurs and your computer speakers are turned on.  |
| 5  | Default                                    | Returns the PEN tab settings to their factory defaults.   |
| 6  | Advanced                                   | When the Side Switch is set to right click or other click functions, select one of the following two modes of operation. <ul style="list-style-type: none"> <li>• Hover Click: allows you to perform click functions by pressing the Side Switch when the pen tip is raised slightly above the active surface.</li> <li>• Click &amp; Taps: press the Side Switch and then lightly press the pen tip against the active surface. This is the default setting for tablet PCs.</li> </ul> |

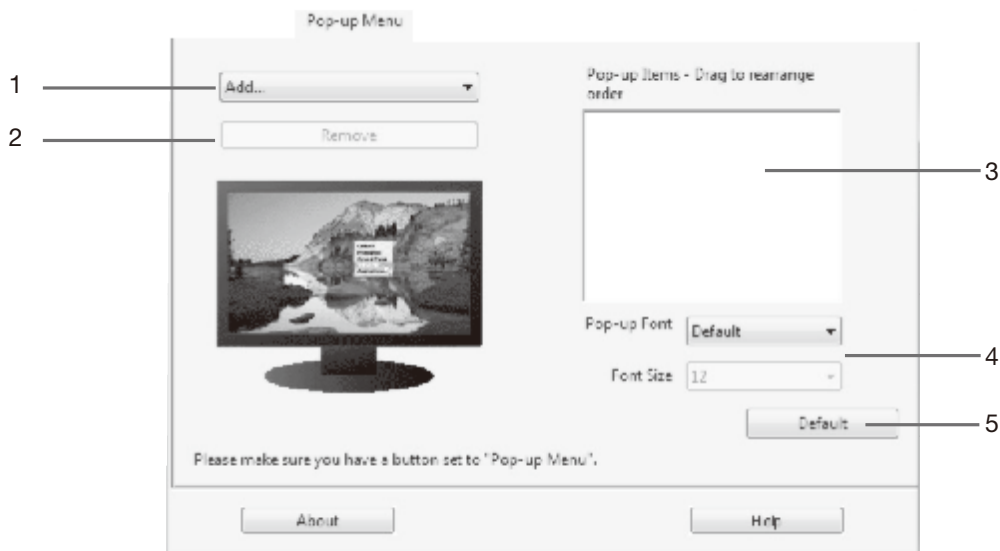
## Switch and Button Settings

| Function Names  | Description  |
|---|--|
| Click<br>Right Click<br>Middle Click  | Performs the same operations as a normal mouse.  |
| 4th click(Back)   | Simulates a 4th mouse button click, which on Windows systems typically issues the Back command in browser applications. Not available on Macintosh systems.  |
| 5th click(Forward)  | Simulates a 5th mouse button click, which typically issues the Forward command in browser applications. Not available on Macintosh systems.  |
| Double-Click  | Simulates a left mouse button double-click. For easier double-clicking, use this function instead of tapping twice with your pen.  |
| Click-Lock  | Simulates holding down the left mouse button. Press the tool button once to initiate click lock. Press the button again to release click lock. Click lock is useful for dragging objects or selecting blocks of text.  |
| Pop-up Menu   | Displays a Pop-up Menu on your screen. See page 20 for more information.   |
| Erase   | Works like the eraser on a pencil in graphic applications that support the Erase function.   |
| Keystroke   | <p>Enables you to simulate a series of keystrokes. Selecting this option displays the define keystroke dialog box, where you can enter a keystroke or keystroke sequence to play back. Keystroke combinations can include letters, numbers, function keys (such as F3) and modifier keys (such as SHIFT, ALT, or CTRL for Windows, or SHIFT, OPTION, COMMAND, and CONTROL for Macintosh).</p>  |
| Modifier  | <p>Enables you to assign modifier key(s) (such as SHIFT or CTRL). Many applications use modifier keys to constrain the size or placement of objects. Selecting this option displays the DEFINE MODIFIER dialog box where you can assign one or more modifier key functions.</p>   |
| Pan/Scroll  | <p>Pan/Scroll allows you to move an open file or image within a window. This function can only be set to the Side Switch.</p> <p>In an application that does not provide a free-hand tool, scroll speed can be set to one of 5 speeds. Move the slider to the desired setting.</p> <ul style="list-style-type: none"> <li>•<b>Slow:</b> reduces scroll speed</li> <li>•<b>Fast:</b> increases scroll speed.</li> </ul>   |
| Pressure Hold<br>* Displays only with the use of the Side Switch or Second Side Switch. | Sets the button so that, when pressed, the pressure is locked at the current pressure level until the button is released. For example, you can paint with pressure sensitivity until you reach the brush size that you like.   |
| Mode Toggle   | Toggles between Pen Mode and Mouse Mode.   |

| Function Names         | Description   |
|------------------------|---|
| ITablet PC Input Panel | In Windows Vista and tablet PCs, this function will open the tablet PC input panel.   |
| Journal                | This function opens Microsoft Journal, an application for Windows Vista and tablet PC.  |
| Open/Run               | Opens an application or file.<br>This function will open a dialog box. Click Browse to select an application or file. The selection you make appears in the Application To Run box. Click "OK" to accept the selection. |
| Ink Toggle             | Lets you use your pen to toggle the Ink Anywhere function of Inkwell on and off. Note that Ink must be turned on for this button function to work.  |

## Customizing the Pop-up Menu

Use the POP-UP MENU tab to define the available functions on the Pop-up Menu list. To display the Pop-up Menu, set a tool button to the POP-UP MENU function. Whenever you press that button, the Pop-up Menu is displayed. Select from available items in the Pop-up Menu by clicking on them. To close the Pop-up Menu without making a selection, click outside of the Pop-up Menu.



| NO | Setting Item              | Description   |
|----|---------------------------|---|
| 1  | Button function           | Select a button function to add to the Pop-up Menu list.  |
| 2  | Remove                    | Removes the selected item from the list.  |
| 3  | Pop-up Items              | Displays a list of functions that have been added to the Pop-up Menu. To change the order of an item, drag it to a new location. Double-click on an item to make edits. |
| 4  | Pop-up Font and Font Size | Sets the FONT and FONT SIZE of the Pop-up Menu.   |
| 5  | Default                   | Returns all tab settings to their default values. This action will delete all Pop-up Menu items that have been defined.   |

## Synchronizing the Positions of the Pen Tip and Pointer

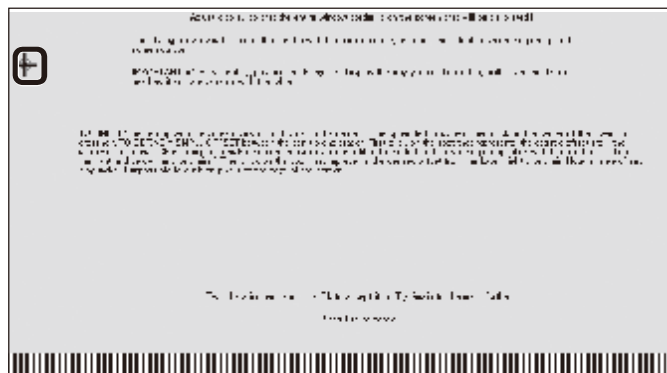
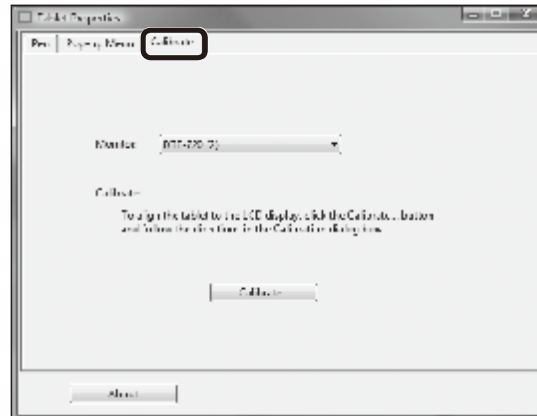
Make the necessary adjustments so that when the pen nib is brought near the LCD screen, the pointer displays properly in the area where the pen nib is placed.

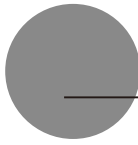
\*Please refer to pages 12 and 13 to make screen image adjustments.

\*Please refer to page 22 when using multiple Interactive Pen Displays.

- 1 Click on Calibrate... and the screen used for making adjustments will appear.
- 2 Click in the middle of the cross mark in the upper left-hand corner of the screen while sitting in your normal seating position with the pen nib and the cross mark will move to the bottom right-hand side of the screen.
- 3 Click again in the middle of the cross mark that is now in the bottom right-hand corner of the screen while sitting in your normal seating position and the cross mark will disappear. The process of synchronizing positions is now complete.

Click on the OK button in the lower part of the screen to close the screen.





# Using Multiple Interactive Pen Displays

When multiple Interactive Pen Displays are connected and are to be used, it is necessary to set up the pen and calibrate for each Interactive Pen Displays individually. Please follow the procedures below to carry this out.

- 1 Bring the pen tip near the display for which the setup is to take place. Verify that the pointer moves in conjunction with the pen tip.
- 2 Open the control panel. (P18)
- 3 Open the Calibrate tab and verify that the correct monitor name is displayed in the Monitor field.

## ● If Another Monitor Name is Displayed in the Monitor Field...

The control panel of a different Interactive Pen Display is being displayed. Press the ESC key on the keyboard to close the control panel and, beginning with Step 1, repeat the above procedure to display the correct control panel.

\*If the monitor name is changed without displaying the control panel, the display will not be able to be set up.

### **[Important]**

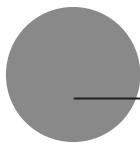
**When more than one Interactive Pen Display is connected, the control panel of the last display to recognize the pen tip is displayed. Even after identifying the pointer, if you use the pen on another display to open its control panel, the pen tip is recognized and the control panel of this display opens. Please refer to the following example.**

**Example >** Setting up display A when display A and display B are connected.

1. The pointer is identified by display A.
2. The control panel of display A is displayed. → OK  
The pen is used on display B to display the control panel → NOT OK (This carries out the setup of display B)  
The computer mouse is used on display B to display the control panel → OK

- 4 Please refer to pages 12 and 13 to make screen image adjustments.  
To set up the pen, open the PEN tab, refer to “Switch and Button Settings” on page 19 and carry out the setup.
- 5 Repeat Steps 1 – 4 to set up another tablet.





## Supplementary Information

### Removing Stains

If the product casing or pen becomes soiled, wipe off with a clean, soft cloth.  
If this fails to remove the stains, soak a clean, soft cloth with a water-diluted detergent mixture, wring thoroughly and wipe off.  
If the protective covering for the LCD display becomes soiled, wipe with a dry, soft cloth. If the stain is difficult to remove, try moistening the cloth slightly.

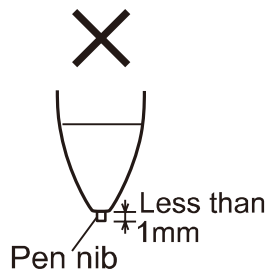


Do not use detergents for cleaning. The use of detergents may adversely affect the performance of the pen. Also, do not use organic solvents, as they may cause surface discolouration.

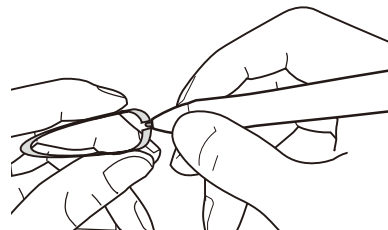


### Replacing the Pen Nib

When the pen nib becomes worn down so that it is 1mm or less in length, replace it as shown in the illustration below. If the pen nib becomes worn down and angular in shape, it can easily damage the surface of the protective covering of the LCD display.

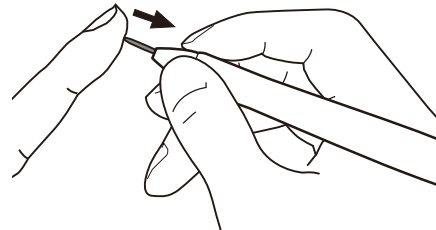


#### Remove the pen nib



Using a pair of tweezers or a similar tool, pull the nib out of the pen.

#### Insert a new nib



Insert the new nib, firmly pushing it in until it stops.



Please prevent children from placing the pen or pen nib in their mouths. There is the danger that the nib may be pulled out and swallowed. If the pen is placed in the mouth, it may be damaged.



# Troubleshooting

## Display Troubleshooting

### If One of These Messages Should Appear...

| Message | What to Do   |
|---------|--|
|         | <p>Prior to connecting the product, if you have a monitor that you have been using, connect it and then adjust the horizontal frequency to 30–80 kHz and the vertical frequency to 50–75 Hz. Connect the product.</p>  |
|         | <ul style="list-style-type: none"> <li>- Verify that the video signal cable* is connected.</li> <li>- Verify that the video signal cable connector pins are not bent or broken.</li> <li>• When the computer goes in to power saving mode, move the mouse or press any keyboard key.</li> <li>• Verify that the computer graphics board is correctly installed.</li> </ul>   |
|         | <ul style="list-style-type: none"> <li>• Verify that the video signal cable is connected.</li> <li>• Verify that the video signal cable connector pins are not bent or broken.</li> <li>• If you are using a cable other than the video signal cable that was included with the product, this message may appear prior to the computer going into power-saving mode. The product is not out of order. Use the cable that was included to connect the product.</li> </ul> |

### If One of These Conditions Should Appear...

| Condition   | What to Do  |
|---|---|
| The power lamp lights up orange or orange and blue.                 | <ul style="list-style-type: none"> <li>• Verify that the video signal cable is connected.</li> <li>• Verify that the video signal cable connector pins are not bent or broken.</li> <li>• When the computer goes in to power saving mode, move the mouse or press any keyboard key.</li> <li>• Verify that the computer graphics board is correctly installed.</li> </ul> |
| The power lamp doesn't light up and the screen doesn't display.     | <ul style="list-style-type: none"> <li>• Verify that the power cable is connected and turn the power switch on.</li> </ul>  |
| The screen doesn't display even when the power switch is turned on. |   |
| The picture is distorted  | <ul style="list-style-type: none"> <li>• Adjust the pitch and phase.</li> </ul>   |
| The picture appears wavy  | <ul style="list-style-type: none"> <li>• Verify that your computer display adapter is compatible with the product.</li> </ul>   |
| The picture flickers  | <ul style="list-style-type: none"> <li>• Verify that the graphics mode and frequency for the input signal are compatible with the product.</li> <li>• Adjust the computer's refresh rate (vertical frequency) for optimal display.</li> </ul>   |
| The picture is not clear  | <ul style="list-style-type: none"> <li>• Adjust the contrast and brightness.</li> <li>• Adjust the pitch and phase.</li> <li>• Set your computer's resolution to SXGA (1280 x 1024).</li> </ul>   |
| The picture appears doubled or in triplicate                        | <ul style="list-style-type: none"> <li>• Do not add an extension to the video signal cable and refrain from using the input selector.</li> <li>• Connect the video signal cable firmly to the connector.</li> </ul>   |
| The picture is out of position                                      | <ul style="list-style-type: none"> <li>• Adjust the pitch and phase.</li> </ul>   |
| The picture size is incorrect                                       | <ul style="list-style-type: none"> <li>• Adjust the horizontal and vertical positioning. Depending on the input signal and video card, the picture may not entirely fill the screen.</li> </ul>   |
| The picture is dark.  | <ul style="list-style-type: none"> <li>• Adjust the brightness.</li> </ul>  |
| Waves and vertical stripes appear in the picture.                   | <ul style="list-style-type: none"> <li>• Adjust the pitch and phase.</li> </ul>   |
| The picture colour is uneven.                                       |   |
| The colour white does not display as white.                         | <ul style="list-style-type: none"> <li>• Adjust the colour temperature.</li> </ul>  |

\* Video signal cable indicates both USB cables (see page 7).

## Pen Troubleshooting (For Both Windows and Macintosh)

| Condition   | What to Do   |
|---|--|
| The pen nib produces a click even when only very lightly coming in contact with the screen. | Use the control panel to set the pen nib sensitivity to Firm setting.  |
| The pen does not produce a click unless excessive pressure is used.                         | Use the control panel to set the pen nib sensitivity to Soft setting.  |
| The pen nib produces a click prior to coming into contact with the screen.                  | Use the control panel to set the pen nib sensitivity to Firm setting. When the status lamp turns blue in response to the pen nib being moved to close proximity to the screen, either the pen or the tablet is probably defective.   |
| The pen nib do not work.  | Please verify that the status lamp turns blue when the pen nib and side switch are pushed. If the lamp doesn't change colours, this probably indicates that either the pen or the tablet is probably defective.  |
| The pen cannot be double-clicked using the pen nib.   | If possible, quickly click in the same area. In the control panel, set the double-clicking interval to a longer setting and set the pen nib sensitivity to a lighter setting. Verify that the double-click speed setting is not too fast in the regular mouse control panel.   |
| The pressure function cannot be used.   | Please refer to your software application and the store where you bought the application to verify whether it is pressure function-enabled. Some applications have special settings that must be established before the pressure function becomes operational. The tablet driver probably is not installed properly. Try re-installing it. |

## General Troubleshooting

| Condition  | What to Do  |
|--|---|
| When a replacement computer is purchased or new software is used, the tablet cannot be used. | Installing the newest version of tablet driver may resolve this problem. The newest tablet driver can be downloaded from the Wacom homepage. <a href="http://www.wacom-asia.com">www.wacom-asia.com</a> |
| The tablet, which is connected to a USB hub, doesn't respond.                                | Some USB hubs cannot recognize tablets. Connect the tablet directly to the computer's USB port.   |

## Troubleshooting for Windows

| Condition  | What to Do  |
|--|---|
| Even when connected to the USB port, the pen is inoperable.  | <ul style="list-style-type: none"> <li>•Check the connection of the USB connector. If using a USB hub connection, try connecting directly to the computer's USB port.</li> <li>•When the product model type appears in the Unknown Device list, select it and click the Delete button, canceling all settings for it. Next, click the Renew button and, following the directions in the New Hardware dialog box, re-install the tablet driver.</li> <li>•If use of the USB port is advantageous, open the Control Panel folder and then the System folder. Then open, in order, the Hardware and Device Manager folders. Next, check and make sure that USB (Universal Serial Bus) Controller appears in the list that is displayed. If it isn't present, it will be necessary to adjust your computer. Please consult your computer maker regarding this.</li> </ul> |
| When Windows is in DOS full screen mode, moving the pointer with the pen becomes impossible.                               | When using a DOS mouse, the pen is inoperable. You must use another mouse.  |
| If the mouse is set for left-handed use in the regular mouse control panel, the ability to click with the pen nib is lost. | Restart Windows.  |

## Troubleshooting for Macintosh

| Condition  | What to Do   |
|--|--|
| Even when connected to the USB port, the pen is inoperable.                        | <ul style="list-style-type: none"> <li>-Check the connection of the USB connector. Connect directly to the computer's USB port.</li> <li>-If equipped with a USB card, the system software has probably not been installed properly.</li> <li>-If you have any other high-speed, high-power USB peripherals, connect these and check and see whether they operate properly or not. If these other units operate properly, this would seem to indicate that the tablet is defective.</li> </ul> |
| The product always reverts to mouse mode and the pressure function cannot be used. | The tablet driver may not be properly installed. Try reinstalling it.  |

## Specification

### General Specifications

|                        |  |
|------------------------|--|
| Dimensions(W × D × H): | 400 × 362 × 55.5 mm, excluding stand   |
| Weight:                | 5.6kg, including stand   |
| Input voltage:         | DC12V  |
| Power consumption:     | 28W (Max)<br>1W or less in sleep modes<br>0.5W or less in off mode   |
| Operating condition:   | 5 to 35°C, 20 to 80%RH (non-condensing)  |
| Storage condition:     | -10 to 60°C, 20 to 90%RH (non-condensing) (maximum storage humidity is 38% at a temperature of 60°C, and maximum storage temperature is 42°C at a humidity of 90%) |

### LCD Display Specifications

|                       |  |
|-----------------------|--|
| Display panel:        | a-Si TFT Active Matrix LCD   |
| Screen size:          | 17 inch  |
| Supported resolution: | 1280 × 1024 pixels, 1024 × 768 pixels, 800 × 600 pixels, 640 × 480 pixels  |
| Pixel pitch:          | 0.264(W) × 0.264 (H) mm  |
| Screen size:          | 337.92 × 270.36mm  |
| Display colors:       | 256 level; 16,777,216 colors   |
| Input video signal:   | Analog RGB input 0.7 Vp-p, 75Ω, straight polarity<br>Synchronous inputs : TTL level, 2.2 kΩ, polarity freedom (horizontal / vertical separation or composite synchronous input)<br>Synchronous frequency: horizontal: 30 – 80 kHz; vertical 50 – 75 Hz<br>Scanning method: all non-interlace |
| Plug and Play:        | DDC2B  |

\* On rare occasions, light and dark dots may appear on a small part of the display screen. This condition does not indicate product failure.

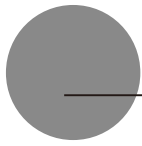
\* Afterimages may remain on the screen after still images have been displayed for a long period of time, but these will disappear after a short period of time.

### Tablet Specifications

|                          |  |
|--------------------------|--|
| Reading technology:      | Electromagnetic induction method   |
| Active area:             | 337.92 × 270.336mm   |
| Resolution:              | Maximum 20 lpmm (0.05 mm)  |
| Accuracy:                | +/- 0.5 mm; four corners (25mm wide, 80mm long from each corner of four "L" shaped area) to be +/- 2.0 mm. |
| Reading height:          | 5mm  |
| Rate:                    | 100 points/sec   |
| Pressure levels:         | 512 levels   |
| Communication interface: | USB  |

### Pen Specifications

|                                   |                    |
|-----------------------------------|--------------------|
| Pressure functions:               | Pen nib switch     |
| Pen tip travel:                   | 0.2 mm or less     |
| Load when pen nib is switched on: | 30 g or less       |
| Physical size:                    | 12.5 × 146.5 mm    |
| Weight:                           | 10g, approximately |



## Obtaining Technical Support

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If you experience a problem with this product that cannot be solved by referring to this guide or the manual included with your driver CD, please refer to our online FAQ or contact our support staff.

Please visit [www.wacom-asia.com/support](http://www.wacom-asia.com/support) or contact us using the form at [www.wacom-asia.com/inquiry](http://www.wacom-asia.com/inquiry) if you have questions that need to be answered by phone or e-mail. Phone support hours: 9am - 6pm on weekdays. (Note: Hours may vary by region. Phone numbers for Australia, New Zealand, Singapore, Malaysia, Thailand and Taiwan are available online.)

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Support for Hong Kong residents is available from Wacom Hong Kong Ltd.  
URL: [www.wacom.com.hk](http://www.wacom.com.hk)  
Tel: (852) 2573-9322, Fax: (852) 2573-9500  
Email: [sales@wacom.com.hk](mailto:sales@wacom.com.hk)

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Regarding Limited Warranty in the Asia Pacific region (excluding China and Hong Kong) Wacom Co., Ltd. warrants the product, to the original consumer purchaser, including the main unit and accessories such as the AC adapter and cables, to be free from defects in materials and workmanship under normal use and service for a period of one (1) year, from the date of original retail purchase, as evidenced by a copy of the receipt (proof of purchase) or if issued, the warranty card from your local reseller or distributor. Wacom's Limited Warranty Policy for Asia Pacific can be found on the Asia Pacific website at: [www.wacom-asia.com/technical/warranty](http://www.wacom-asia.com/technical/warranty)

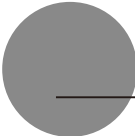
Premium Extended Warranty Service is available in Asia Pacific  
[www.wacom-asia.com/technical/warranty/premiumwarranty.html](http://www.wacom-asia.com/technical/warranty/premiumwarranty.html)



# DTF-720C 사용 설명서



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# 안전한 사용을 위한 주의 사항

본 사용 설명서에는 DTF-720C(이하 'DTF-720C', '기기', 또는 '본 기기'라 칭함)의 안전한 사용을 위해 다음과 같은 표시를 사용하고 있습니다. 이 내용을 자세히 읽고 DTF-720C을 사용하는 경우에는 경고 및 주의 항목에 항상 주의해 사용하십시오.

|   |  |
|---|--|
|  <b>경고</b> | 이 표시를 무시하고 잘못된 방법으로 취급하면 사람이 사망하거나 중상을 입을 가능성이 있음을 의미합니다.        |
|  <b>주의</b> | 이 표시를 무시하고 잘못된 방법으로 취급하면 사람이 부상을 입거나 재산상의 손해를 입을 가능성이 있음을 의미합니다. |

- 표시의 의미**
-  이 기호는 주의할 필요가 있음을 의미하는 '주의' 표시입니다.
  -  이 기호는 해서는 안 되는 사항을 의미하는 '금지' 표시입니다.
  -  이 기호는 반드시 해야 하는 사항을 의미하는 '강제' 표시입니다.

|   |   |
|---|---|
| <b>⚠ 경고</b>   |   |
| <p><b>■ 높은 신뢰성이 요구되는 설비의 제어 시스템에는 사용할 수 없습니다.</b><br/>다른 전자 장비의 오작동을 유발하거나 다른 전자장비의 영향을 받아 오작동할 수 있습니다. </p> <p><b>■ 전자 기기의 사용이 금지된 장소에서는 본 기기의 전원을 끄십시오.</b><br/>항공기 기내, 병원의 철저한 주의 관리가 필요한 기기 근처 등의 전자 기기의 사용이 금지된 장소에서 사용할 경우 다른 전자 장비의 작동에 악영향을 미칠 수 있습니다. 이와 같은 문제의 발생을 방지하기 위해 이러한 장소에서는 본 기기의 USB 커넥터를 컴퓨터에서 분리하고 전원을 끄십시오. </p> <p><b>■ 후면 덮개를 열지 마십시오.</b><br/>본 기기 내부에는 고전압 부분이 많이 있습니다. 전문 서비스 담당자 외에는 본 기기의 후면 덮개를 열지 마십시오. 올바르게 못한 방법으로 열면 화재 또는 감전의 원인이 됩니다. <br/></p> <p><b>■ 낙하 등에 의해 본 기기가 정상적으로 작동하지 않게 된 경우에는 전원 케이블을 콘센트에서 빼십시오.</b><br/>전원 케이블이 연결된 상태로 방치하면 화재 또는 감전의 원인이 될 수 있습니다. </p> | <p><b>■ 전원 플러그와 전원 어댑터에 대하여</b></p> <ul style="list-style-type: none"> <li>- 전원 플러그의 먼지는 정기적으로 제거해 주십시오. 쌓인 먼지에 습기가 차면 화재의 원인이 됩니다. </li> <li>- 제품에 부속된 전원 어댑터 외에는 절대로 사용하지 마십시오. 화재 또는 고장의 원인이 됩니다. </li> <li>- 전원 어댑터의 코드를 손상시키거나 무리하게 꺾거나 또는 여러 겹으로 묶지 마십시오. 그리고 무거운 물건을 위에 올리거나 지나친 고온에 노출시키지 마십시오. 화재, 감전, 고장의 원인이 됩니다. </li> <li>- 만약 전원 어댑터에서 연기가 나거나 이상한 냄새가 나는 경우에는 바로 콘센트에서 빼고 구입한 판매점 또는 와콤 고객 지원 센터에 수리를 의뢰해 주십시오. </li> <li>- 젖은 손으로 전원 어댑터를 끼거나 빼지 마십시오. 감전 또는 고장의 원인이 됩니다. </li> <li>- 전원 어댑터를 열거나 가공하지 마십시오. 화재 또는 감전의 원인이 됩니다. </li> </ul> |



## ⚠ 주의

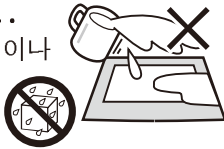
### ■ 닦을 때에는 유기 용제를 사용하지 마십시오.

본 기기를 닦을 때에는 알코올 등의 유기 용제를 절대로 사용하지 마십시오. 변색되거나 변질될 수 있습니다.



### ■ 물에 젖게 하지 마십시오.

물이나 액체가 들어 있는 컵이나 꽃병을 본 기기 옆에 두지 마십시오. 물이나 액체에 젖게 되면 고장의 원인이 됩니다.



### ■ 기기를 청소할 때에는 USB 커넥터를 분리해 주십시오.

본 기기를 청소할 때에는 항상 컴퓨터의 USB 포트에서 USB 커넥터를 분리해 주십시오. 그렇지 않을 경우 감전의 원인이 될 수 있습니다.



### ■ 작동 중에 본 기기 위에 금속성 물질을 올려 놓지 마십시오.

본 기기의 사용 중에 본 기기 위에 금속성 물질을 올려 놓지 마십시오. 오작동 또는 고장의 원인이 됩니다.



### ■ 기기에서 누출된 것으로 여겨지는 어떠한 액체도 만지지 마십시오.

본 기기에 포함되어 있는 액체는 자극성 물질입니다. 만약 본 기기의 액체가 누출된 경우에는 절대 맨 손으로 만지지 마십시오. 피부에 닿거나 눈이나 입에 들어간 경우에는 바로 15분 이상 수돗물로 씻어내고 의사와 상담하십시오.



### ■ 케이블에 과도한 힘을 가하지 마십시오.

본 기기의 케이블에 무거운 물건을 올려 놓거나 밟지 마십시오. 또한 케이블 연결부에 과도한 힘을 가하거나 반복적으로 굽히거나 당기지 마십시오. 절선 또는 고장의 원인이 됩니다.



### ■ 불안정한 장소에 올려 놓지 마십시오.

흔들거리거나 기울어진 장소 또는 진동이 심한 장소에 본 기기를 두지 마십시오. 떨어져 부상 또는 고장의 원인이 될 수 있습니다.



### ■ 무거운 물건을 올려 놓지 마십시오.

본 기기에 지나친 중량을 가하거나 무거운 물건을 올려 놓지 마십시오. 고장의 원인이 될 수 있습니다.



### ■ 전원 플러그를 끼울 때에는

전원 어댑터의 플러그를 콘센트에 끼울 때에는 접지선도 연결해 주십시오.



### ■ 기기를 장시간 사용하지 않는 경우

장시간 사용하지 않는 경우에는 안전을 위해 어댑터 플러그를 콘센트에서 빼 주십시오.



### ■ 기기를 먼지가 많은 곳에서 사용하지 마십시오.

먼지가 본 기기에 손상을 줄 수 있습니다.



### ■ 본 기기 후면의 통풍구를 막지 마십시오.

통풍구를 막으면 기기 내부의 과열로 기기 손상의 원인이 될 수 있습니다.



### ■ 기기를 스탠드를 집어서 들지 마십시오.

스탠드에 과도한 힘이 가해져 스탠드의 개폐 기능이 손상될 수 있습니다. 본 기기를 들 때에는 반드시 본체 부분을 잡고 들어야 합니다.



### ■ 펜에 대하여

- 금속 펜으로 단단한 물건을 두드리지 마십시오. 고장의 원인이 됩니다.

- 어린이가 펜 또는 교체용 심 등을 입에 넣는 일이 없도록 주의해 주십시오. 심 또는 사이드 스위치 등을 삼키게 되거나 펜이 손상될 수 있습니다.



### ■ 기기를 온도가 너무 높거나 낮은 장소에 보관하지 마십시오.

고온 (35℃ 이상) 이나 저온 (5℃ 이하) 의 장소에 본 기기를 보관하지 마십시오. 또한, 온도 변화가 큰 장소에 보관하지 마십시오. 본 기기에 영향을 미쳐 기기 고장의 원인이 됩니다.



### ■ 기기를 분해하지 마십시오.

본 기기를 분해하거나 개조하지 마십시오. 발화, 과도한 발열, 감전, 부상 등의 원인이 됩니다. 한 번이라도 본 기기를 분해한 경우에는 보증이 무효가 되므로 주의하십시오.



### ■ 본 기기 또는 컴퓨터의 전원이 켜진 상태에서는 어떠한 케이블도 연결 / 분리하지 마십시오.

컴퓨터 및 본 기기의 전원이 켜져 있는 상태에서 어떠한 케이블 (USB 케이블 포함) 또는 전원 어댑터도 연결 / 분리하지 마십시오. 본 기기 또는 컴퓨터에 손상을 줄 수 있습니다.



## 눈을 보호하기 위해서 다음 사항을 주의 해 주십시오.

- 본 기기를 사용할 때에는 반드시 방을 밝게 하고 컴퓨터 화면과 눈과의 거리를 충분히 확보하고 사용하십시오.
- 장시간 본 기기를 사용하는 경우에는 규칙적으로 휴식을 취해 주십시오.

## 면책 사항에 대하여

- 화재, 지진, 제 3 자에 의한 사고, 고객의 고의 또는 과실에 의한 오용 및 통상적이지 않은 사용에 의해 발생하는 손해에 대하여 당사는 일절 책임을 지지 않습니다.
- 본 제품의 사용 및 사용 불능으로 인해 발생하는 부수적인 손해 (사업 이익의 손실, 사업의 중단, 데이터의 변화 및 소실 등)에 대하여 당사는 일절 책임을 지지 않습니다.
- 본 사용 설명서에서 설명하고 있지 않은 사용 방법에 의해 발생한 손해에 대하여 당사는 일절 책임을 지지 않습니다.
- 개조한 장비 또는 당사 제품이 아닌 소프트웨어와의 조합 사용으로 인한 오작동으로 발생하는 손해에 대하여 당사는 일절 책임을 지지 않습니다.

## 상표에 대하여

- 와콤은 주식회사 와콤의 상표 또는 등록 상표입니다.
- Windows 는 미국 마이크로소프트사의 미국 및 그 외의 국가에서의 등록 상표입니다.
- Macintosh 는 애플 컴퓨터사의 미국에서의 등록 상표입니다.
- 그 밖의 제품명과 관련 품목 등은 각 관련 회사의 상표 또는 등록 상표입니다.

## 주의 사항

- 1 타블렛 보조물의 저작권은 주식회사 와콤에 귀속합니다.
- 2 타블렛 드라이버 및 본 사용 설명서 내용의 일부 또는 전부의 무단 복제 및 게재 행위는 명백히 금지되어 있습니다.
- 3 와콤은 타블렛 드라이버 및 본 기기의 구성 또는 사양 그리고 본 사용 설명서의 내용을 사전 예고 없이 변경할 수 있습니다.
- 4 이 기기는 가정용으로 전자파 적합등록을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.



방송통신위원회의

- 1 기기의 명칭 (모델명) : 디지털타이저 (DTF-720A)
- 2 인증번호 : HV4-DTF-720A(B)
- 3 인증받은 자의 상호 : Wacom Co., Ltd.
- 4 제조년월 : SERIAL 번호를 참조해 주십시오.
- 5 제조자 / 제조국가 :  
FOXLINK IMAGE TECHNOLOGY CO., LTD  
/ 대만

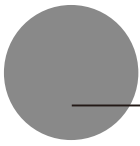
## 본 설명서에 대하여

본 설명서에서는 본 기기의 연결 방법, 설치 방법, 기능, 그리고 사용 방법에 대하여 설명하고 있습니다.

본 기기는 컴퓨터와 연동해 작동하는 액정 모니터와 타블렛의 두 가지의 기능을 합니다. 우선, 디스플레이 장비를 연결 설치한 다음 타블렛 드라이버를 컴퓨터에 설치하면 디스플레이 일체형 타블렛으로 사용할 수 있습니다. 본 기기로 디스플레이 화면을 표시하기 위해서는 아날로그 RGB 대응 비디오 출력이 필요합니다. 비디오 카드의 사용 방법에 대해서는 비디오 카드에 부속된 사용 설명서를 읽어 보시기 바랍니다.

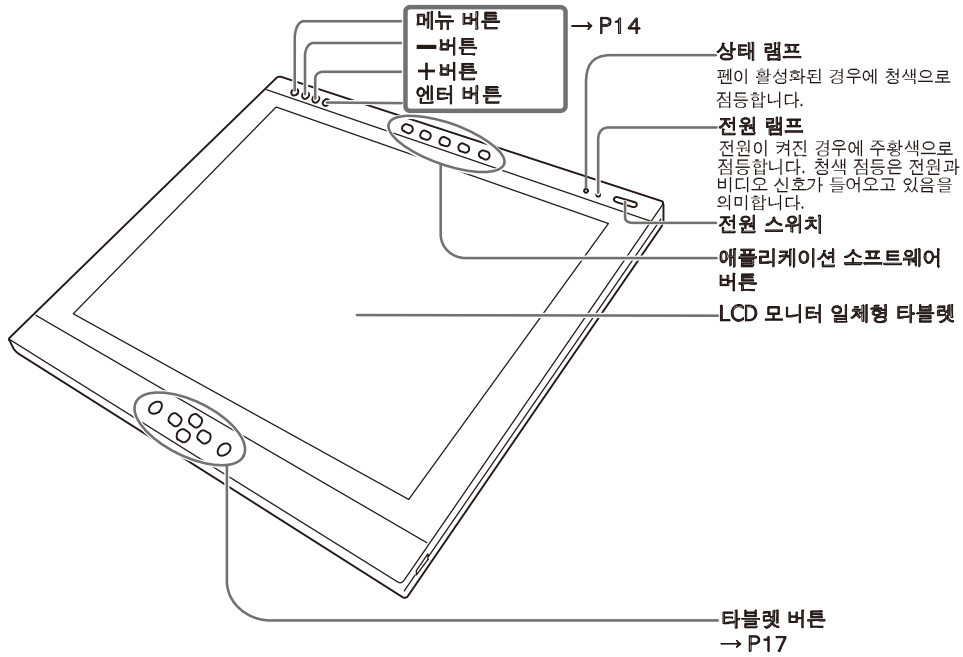
## LCD 디스플레이에 관한 다음 사항을 확인해 두십시오.

표시되는 내용에 따라 LCD 디스플레이 화면의 일부에 밝거나 어두운 녹색, 적색, 청색 점이 보일 수 있으나 이는 기기의 고장 또는 품질 불량과는 무관합니다.

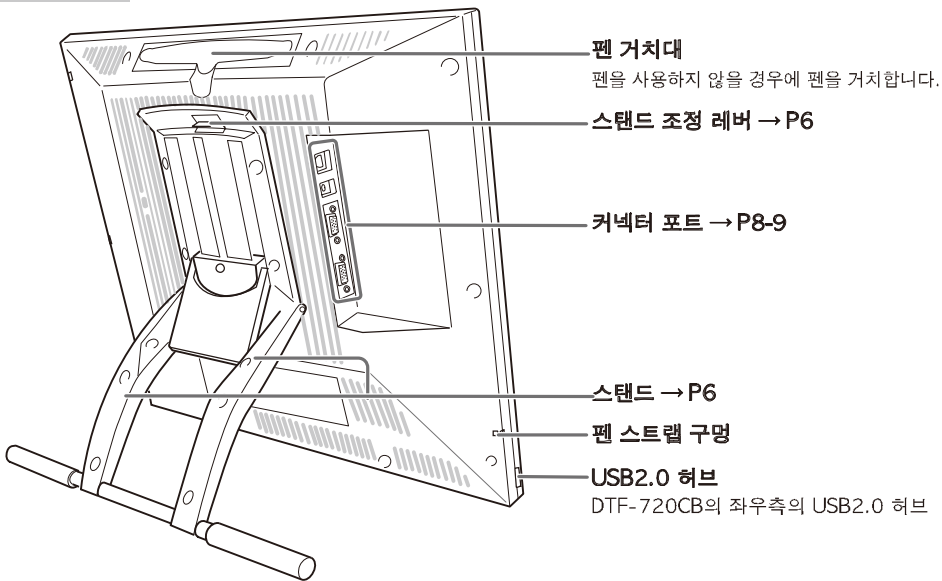


# 각부의 기능

## 전면



## 후면



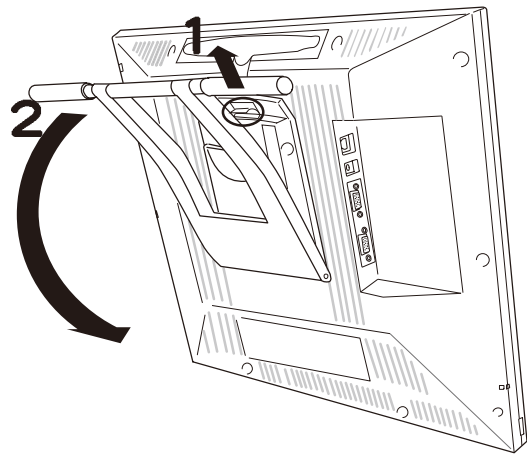
## 스탠드 조정 방법

1 스탠드 조정 레버를 잡아 당깁니다.

### ⚠ 주의

조정을 할 때는 부상을 입거나 기기에 손상을 주지 않도록 주의를 기울여 스탠드를 잡으십시오.

2 천천히 스탠드를 아래로 접습니다.



## DTF-720C 을 마운트 암에 장착하는 방법

본 기기는 VESA(비디오 전자 공학 협회=Video Electronics Standards Association)의 FPMPI(비디오 전자공학 표준=Flat Panel Monitor Physical Mounting Interface Standard)을 준수하고 있습니다.

본 기기는 스탠드에서 분리할 수 있으며 VESA- 표준 마운트 암 등의 장비에 장착할 수도 있습니다. 이를 위해서는 본 기기에 포함되어 있지 않은 M4/0.7mm 나사가 필요합니다. 설치시에는 관통 깊이가 15mm 이하의 나사를 사용하십시오. 15mm 보다 긴 나사를 사용하면 기기 내부에 손상을 입힐 수 있습니다.

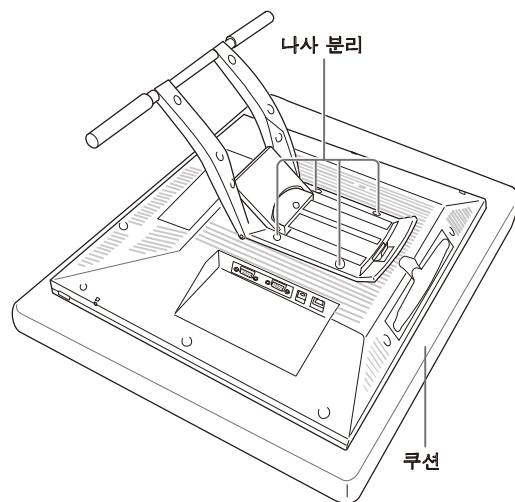
1 컴퓨터와 본 기기의 전원이 꺼져 있고 모든 케이블이 분리되어 있는지 확인하십시오.

2 평평한 바닥에 디스플레이 유닛의 전면이 밑을 향하게 해서 올려 놓습니다. 유닛 전면의 손상을 방지하기 위해 먼저 평평한 바닥 위에 천 등을 깔아 쿠션의 기능을 하도록 합니다.

3 스탠드를 유닛에 고정하는 4 개의 나사를 분리합니다.

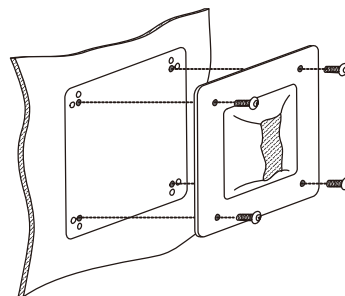
4 M4/0.7mm 나사를 사용해 유닛 후면에 암 또는 그와 비슷한 장비를 안전하게 장착합니다.

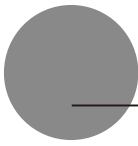
5 케이블을 연결하고 3 단계에서 분리한 나사를 잘 보관합니다.



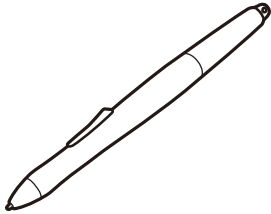
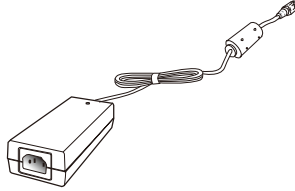

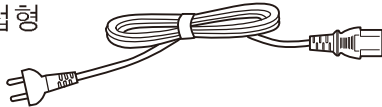
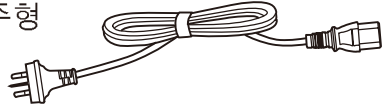
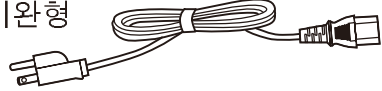
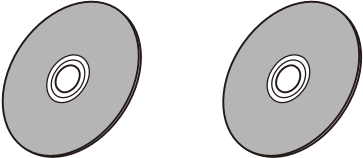
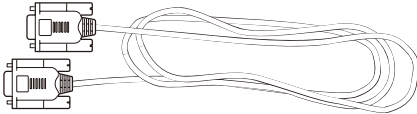
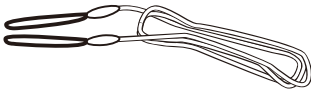

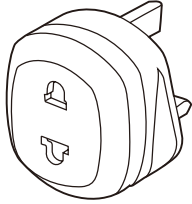
### ⚠ 주의

유닛을 마운트 암 또는 기타 스탠드에 장착할 때는 항상 마운트 암 또는 스탠드의 사용 설명서 및 본 사용 설명서의 지시에 따라 장착하십시오. 잘못 장착하면 결합이 느슨하게 되며 분리되어 추락해 기기의 고장을 일으킬 수 있습니다.



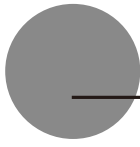


# 액세서리 확인

|   |   |
|---|---|
| <p>●펜</p>    | <p>●전원 어댑터</p>    |
| <p>●사용 설명서 (본 책자)</p>                                  | <p>●전원 케이블</p> <p>유럽형 </p> <p>호주형 </p> <p>타이완형 </p> |
| <p>●태블릿 드라이브 CD-ROM<br/>●애플리케이션 CD-ROM(DVD-ROM)</p>  | <p>●아날로그 RGB 케이블</p>    |
| <p>●펜 스트랩</p>                                        | <p>●USB 케이블</p>   |
| <p>●어댑터 플러그 (영국형)</p>                                |   |




박스를 버리지 마십시오. 기기의 보관 및 운반시에 사용할 수 있습니다.



# DTF-720C의 연결 방법

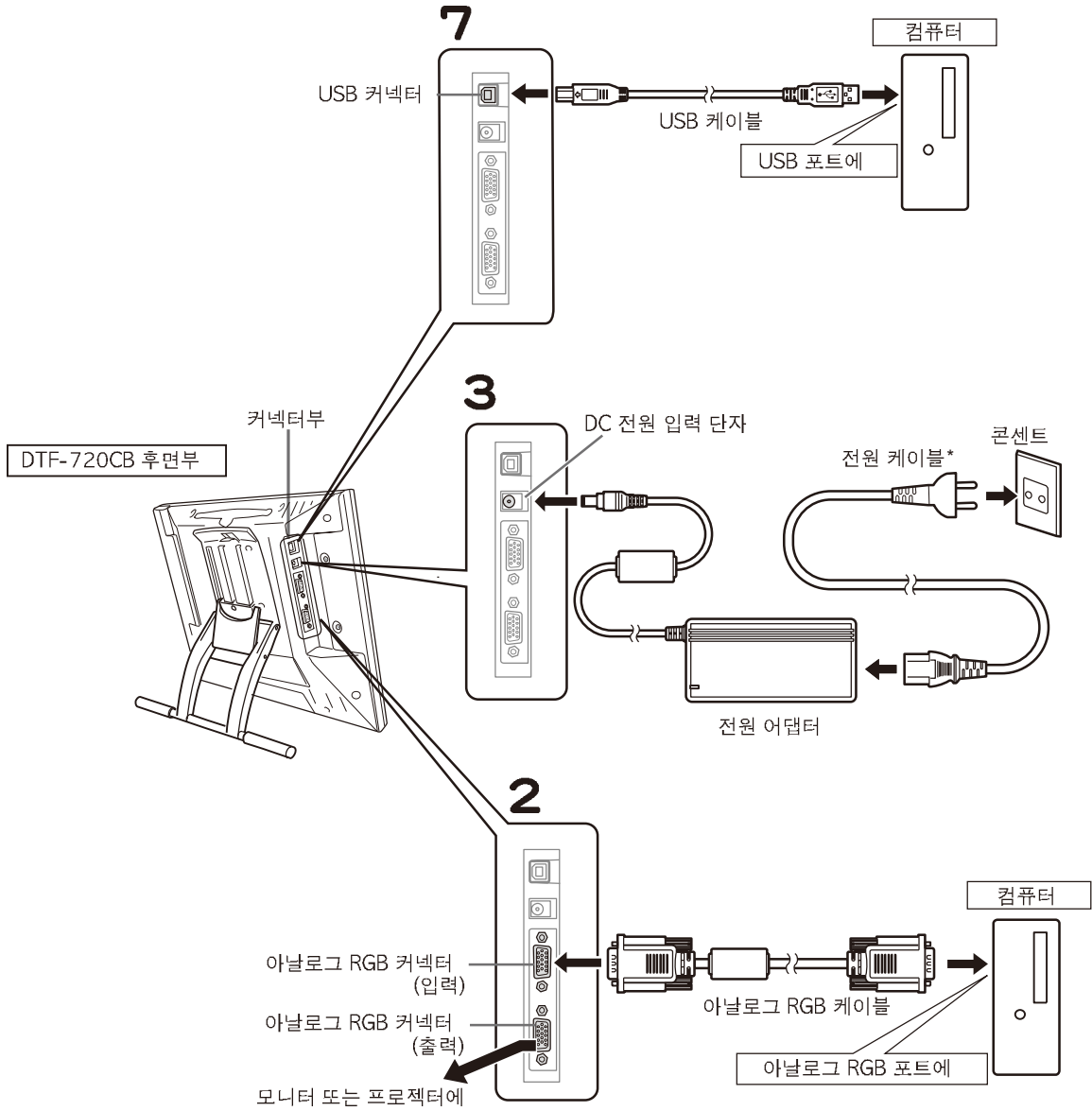
- 1 컴퓨터와 본 기기의 전원이 모두 꺼져있는지 확인하십시오.
- 2 아날로그 RGB 케이블을 컴퓨터의 디스플레이 포트에 연결하십시오.
- 3 전원 어댑터를 전원 케이블에 연결하고 DC 전원 커넥터를 DC 전원 입력 단자에 연결하십시오. 그리고 전원 케이블을 전원 콘센트에 연결합니다.
- 4 본 기기의 전원 스위치를 켭니다.  
전원 표시 램프가 청색으로 점등한 뒤 주황색으로 바뀝니다.
- 5 컴퓨터를 켭니다.
- 6 LCD 화면을 보면서 컬러 해상도와 크기 설정을 합니다.  

 - 재생률을 조정하지 마십시오. DTF-720C의 재생률을 초과한 값으로 설정하면 화상이 표시되지 않습니다.

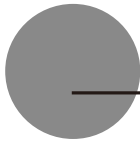
- 컬러 팔레트의 설정과 그에 해당하는 표시 색상의 수는 다음과 같습니다.:

하이 컬러(16비트) → 65,536컬러/트루 컬러(24비트) → 16,777,216컬러

\*컬러의 수는 사용하는 컴퓨터와 비디오 카드의 성능에 따라 제한됩니다. 보다 자세한 내용은 제조사에서 제공하는 사용 설명서를 참조하십시오.
- 7 USB 케이블을 사용해 본 기기를 컴퓨터에 연결하십시오. 펜을 스크린 표면 가까이 가져가면 펜이 작동하는 것을 알 수 있습니다. 그러나 제대로 작동하기 위해서는 드라이버를 설치해야 합니다.
- 8 DTF-720C 드라이버(10페이지의 'DTF-720C 드라이버 설치 방법' 참조)를 설치하십시오.



\*해당 지역에 맞는 전원 코드 혹은 어댑터를 사용하시기 바랍니다.



# DTF-720C 드라이버 설치 방법

## Windows의 경우

설치를 하기 전에 우선 DTF-720C USB 케이블을 컴퓨터에 연결하고 본 기기의 전원을 켭니다. Windows 2000용 드라이버는 더 이상 타블렛 드라이버 CD에 포함되어 있지 않습니다. Windows 2000를 운영 체제로 사용하는 PC에서 DTF-720C를 사용하고자 하는 경우에는 해당 드라이버를 [www.wacomkorea.com](http://www.wacomkorea.com) 에서 다운로드 받으십시오.

### 타블렛 드라이버 설치 방법

- 1** 타블렛 드라이버 CD를 CD-ROM 드라이브에 넣습니다. 설치 메뉴가 자동으로 표시 됩니다. 메뉴가 표시되지 않으면 INSTALL 아이콘(CD에 위치)을 더블클릭하십시오.
- 2** 설치 메뉴가 표시됩니다. INSTALL TABLET을 클릭하면 라이센스 동의 대화 상자가 표시됩니다.
- 3** '승인'을 클릭합니다.
- 4** 설치가 끝나면 OK를 클릭합니다.
- 5** 그 다음 버튼 드라이버를 설치하십시오.
- 6** Welcome to WACOM Button Driver ver.x.xx setup 대화 상자에서 NEXT를 클릭합니다.
- 7** License Agreement 대화 상자가 표시됩니다. NEXT를 클릭합니다.
- 8** 지시에 따라 드라이버 소프트웨어를 설치합니다.
- 9** InstallShield Wizard Complete 대화 상자가 표시됩니다. Finish를 클릭합니다.
- 10** 설치 메뉴로 복귀됩니다. 종료를 클릭합니다.
- 11** 타블렛 버튼에 대한 자세한 내용은 '타블렛 버튼 사용 방법'(17페이지)를 참조하십시오.



## Mac OS X의 경우

- 1 USB 케이블을 컴퓨터에 접속하고 본체 전원을 ON으로 하여 Macintosh를 기동합니다.
- 2 열려 있는 애플리케이션을 닫고 바이러스 감시 프로그램을 일시적으로 OFF로 설정합니다.
- 3 타블렛 드라이버 CD-ROM을 컴퓨터의 CD-ROM드라이버에 넣고 CD-ROM을 열어 「인스톨」 또는 「Install.app」를 더블 클릭합니다.
- 4 「설치」를 클릭하면 인스톨이 시작됩니다. 이후 화면의 설명에 따라 인스톨을 진행하십시오.  
조작 중에 인증 대화 상자가 표시되면 패스워드\*를 입력하십시오.

! \*OS X를 인스톨할 때 설정한 패스워드를 입력하십시오.

- 5 타블렛 드라이버의 인스톨이 완료되면 Macintosh를 재기동하십시오.

! \*Macintosh(OS X 10.2 이후)에는 Inkwell 기능이 표준 내장되어 있습니다. 이 기능이 ON으로 설정되어 있으면 타블렛 드라이버의 인스톨이 종료된 후에 Inkwell의 황색 메모창이 표시되는 경우가 있습니다. 이 기능을 해제하려면 「시스템환경설정」 → 「하드웨어」 → 「ink」 → 「설정값」의 「모든 응용프로그램에서 ink 허용」의 체크를 해제합니다.

## 타블렛 드라이버 제거 방법

### Windows의 경우

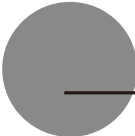
아래의 순서에 따라 사용하는 PC에서 타블렛 드라이버를 제거합니다. (아래의 순서는 Windows 7/Vista/XP 모두 동일합니다.)

\*Windows 을 시스템 관리자 설정 (관리자 또는 관리자 계정)으로 사용하는 이용자의 경우 드라이버를 제거하려면 관리자 이름으로 로그인해야 합니다.

- 1 Windows의 「시작」 버튼을 클릭해 제어판을 엽니다. 「프로그램 및 기능」 또는 「프로그램(애플리케이션) 추가/삭제」 아이콘을 더블 클릭합니다.
- 2 리스트 중에서 「펜 타블렛」을 선택하여 「제거」 또는 「변경(추가)/삭제」 또는 「삭제」 버튼을 클릭합니다. 대화 상자의 지시에 따라 제거합니다.  
Windows가 다시 시작되면 삭제되어 있습니다.

### Macintosh의 경우


- 1 애플리케이션 폴더를 열고 타블렛 폴더를 엽니다.
- 2 타블렛 제거를 기동시키고 지시에 따라 제거를 시작합니다.




# DTF-720C 디스플레이

## 자동 조정 기능

본 기기는 최적의 디스플레이 화상 품질을 보장하기 위해 자동 조정 기능을 채용하고 있습니다. 자동 조정 기능을 사용하면 빠른 시간 안에 화면이 적절하게 표시됩니다. 자동 조정 기능으로 초기화된 설정은 디스플레이에 저장됩니다.

 자동 조정 기능이 작동하고 있는 경우에는 표시 모드가 수신되면 자동으로 화면의 수평 위치와 수직 위치, 페이지, 피치가 자동 조정됩니다. 자동 조정 기능은 수평 주파수가 30~80kHz이고 수직 주파수가 50~75Hz인 범위에서 작동하게 됩니다.


 자동 조정 기능이 작동하고 있는 경우에는 전원 스위치만 작동시킬 수 있습니다.

화면 위치를 조정할 다음에는 펜 조정을 할 필요가 있는 경우가 있습니다. (→ P13)

## DTF-720C 절전 기능

본 기기는 VESA 절전 지침을 준수하고 있습니다. 디스플레이 전원 관리(DPMS) 기능이 있는 컴퓨터와 그래픽 보드에 연결한 경우에는 사용을 하지 않는 동안 아래와 같이 자동 절전이 됩니다.

| 컴퓨터 상태          | 수평 동기 신호 | 수직 동기 신호 | 화상 신호 | 전력 소비량  | 전원 램프   |
|-----------------|----------|----------|-------|---------|---------|
| 켜진 경우(일반 작동 모드) | 있음       | 있음       | 있음    | 28W     | 청색      |
| 대기 모드           | 없음       | 있음       | 없음    | 1W 이하   | 주황색/청*  |
| 일시 중지 모드        | 있음       | 없음       | 없음    | 1W 이하   | 주황색/청색* |
| 꺼진 경우           | 없음       | 없음       | 없음    | 0.5W 이하 | 주황색     |

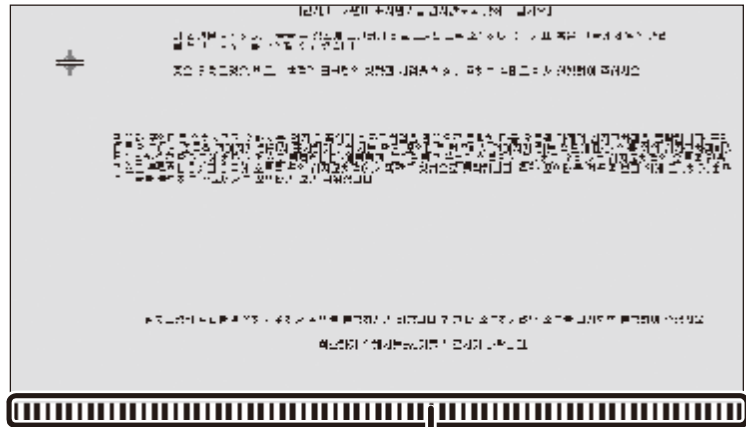
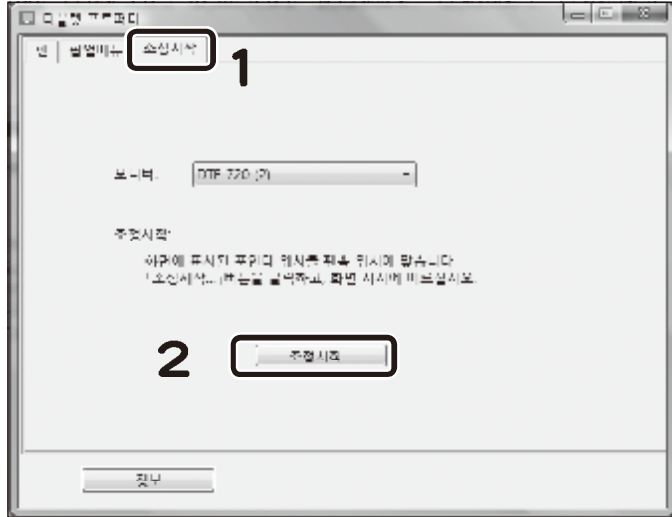
 \* 사용하는 컴퓨터의 사양, 비디오 카드 설정에 따라서는 대기 모드와 일시 중지 모드에서 전원 램프가 주황색으로만 점등됩니다.

## 화상이 흐리거나 LCD 패널을 벗어나는 현상


컴퓨터와 그래픽 보드의 종류에 따라 간혹 자동 조정 기능이 완전하게 작동하지 않아 LCD 패널의 화상이 흐리거나 화면을 벗어나는 현상이 발생하는 경우가 있습니다. 이러한 경우에는 피치와 페이지를 조정하십시오. 1280 x 1024 픽셀의 해상도에서 가장 정확하게 조정됩니다.

순서:

- 1 타블렛 제어판(18페이지 참조)을 열고 '조정시작' 탭을 선택합니다.
- 2 '조정시작...' 버튼을 클릭합니다. 피치와 페이지 조정용 패턴이 표시됩니다.
- 3 OSD 버튼을 사용해 OSD 메뉴를 열고 피치 아이콘을 선택합니다.
- 4 피치 레벨을 조정해 가는 수직 눈금들의 모양이 균일하게 표시되게 합니다.
- 5 엔터 버튼을 눌러 메뉴 화면으로 복귀합니다.
- 6 OSD 메뉴에서 페이지 아이콘을 선택합니다.
- 7 페이지 레벨을 조정해 조정용 패턴이 선명하게 보이도록 합니다.
- 8 이 조정을 완료한 후에 엔터와 메뉴 버튼을 클릭해 OSD 메뉴로 복귀합니다.

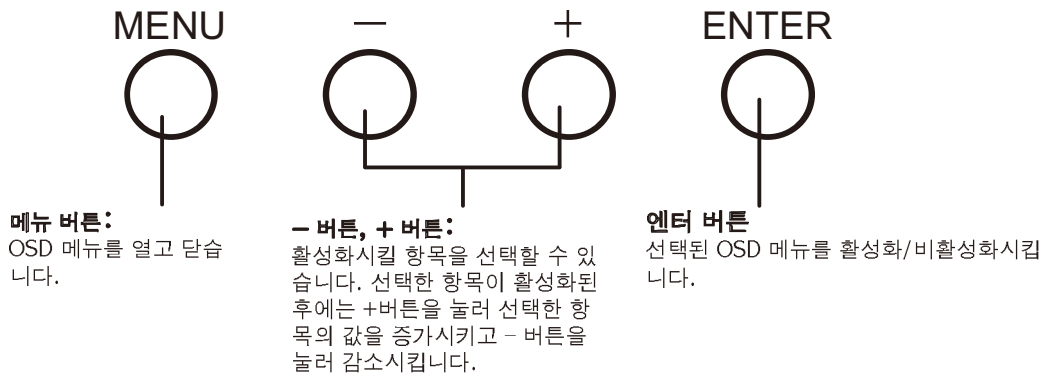


피치와 페이지 조정용 패턴

 Windows XP를 제외한 Windows 시스템의 경우에는 피치와 페이지가 Windows 종료 화면이 표시된 후에 조정을 할 수 있습니다. 주파수 조정이 필요한 경우에는 화면의 어두운 부분에 밝고 어두운 수직 줄무늬가 교차되어 표시됩니다. 트래킹 조정이 필요한 경우에는 화면(1280 x 1024 해상도)의 어두운 부분에 밝고 어두운 수평 줄무늬가 표시됩니다.

이 방법은 타블렛 드라이버가 설치되어 있지 않은 경우에 권장합니다.

## 온스크린 디스플레이(OSD) 메뉴 버튼



## OSD 메뉴의 사용

디스플레이의 화질 조정과 설정은 OSD 메뉴의 버튼을 사용해 항목의 선택과 값의 조정이 이루어집니다. 메뉴 버튼을 클릭하면 OSD 메뉴 화면이 표시됩니다. 조정할 항목과 원하는 설정을 선택하십시오.

### OSD 메뉴의 사용 방법

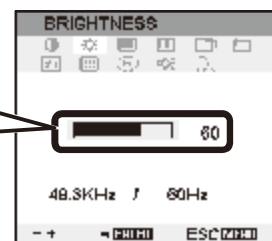
- 1 메뉴 버튼을 클릭해 메인 메뉴 설정 화면이 표시되게 합니다.

+버튼으로 우측으로 선택을 이동합니다.  
-버튼으로 좌측으로 선택을 이동합니다.



- 2 + 버튼과 - 버튼을 클릭해 조정할 항목을 선택합니다.

+버튼으로 우측으로 선택을 이동합니다.  
-버튼으로 좌측으로 선택을 이동합니다.



- 3 조정할 항목이 강조 표시되면 엔터 버튼을 누릅니다. +와 - 버튼을 사용해 값과 기타 항목들을 조정합니다.

- 4 조정을 한 다음에는 엔터 버튼을 눌러 저장합니다.

- 5 메뉴 버튼을 눌러 종료합니다.

