

Super Slim Foldable Design

User Manual



UM-710S/ UM-720S
UM-710F/ UM-720F

www.multimedia-link.com

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■ Safety Instructions

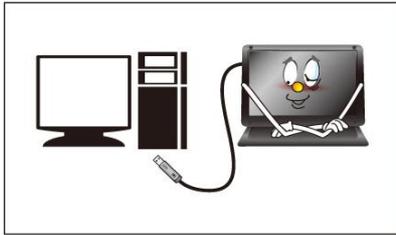
These safety instructions must be followed to ensure your safety and prevent property damage.



Warning/Cautions:

Otherwise, it may result in personal injury or property damage.

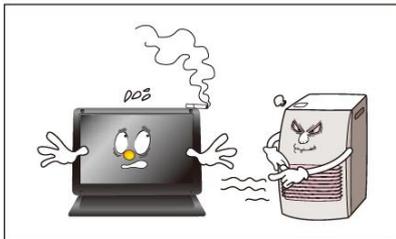
Make sure to read the instructions carefully and use the product in the correct manner.



▪ Power Source:

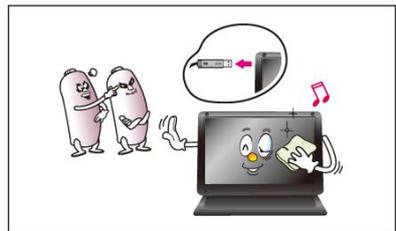
- Make sure to use **USB Cable** (DC 5V) only.

* **Display doesn't require any additional power source**



▪ **Do not place display in a location exposed to moisture, dust, smoke, water, or in a car.**

* **Otherwise, this may result in electric shock or fire.**



▪ **Clean the product using a soft cloth with a monitor cleaner only.**

- Make sure to disconnect USB Cable while cleaning

- Ensure that water does not enter the product and that it is not wet.

* **Otherwise, this may result in electric shock, fire or a malfunction.**



▪ **Do not force on LCD(Touch Panel) Screen**

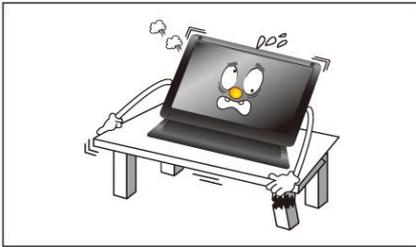
- Do not tap or scratch LCD(Touch Panel) Screen with a sharp object.

* **Otherwise, LCD(Touch Panel) may get damage.**



▪ **Product Input/Output Connectors**

- Do not insert any metal, such as chopsticks, coins, pins and steel,
- If foreign material enters the product, disconnect the USB cable and contact a Service Center.



▪ **Do not install display in an unstable location**

- Otherwise, it may fall and cause personal injury and/or damage the product.



▪ **Ensure that users do not disassemble, repair or modify the product themselves**

- If the product needs to be repaired, contact a Service Center.



If water enters the product, disconnect the USB and contact a Service Center. This may result in a product malfunction, electric shock, or fire.

■ Product Features

- ▶ USB powered monitor with Touch Screen Panel (UM-720S, UM-720F)
- ▶ Super Slim Foldable and Portable Design
- ▶ With only USB cable connection, a user may utilize display as Multiple Input/ Output device for Video Conference, Instant Messaging, News and Stock casting.

• Each model has different functions and features as listed Product Matrix below

▶ Product Matrix

■ Model Name	UM-710S	UM-720S	UM-710F	UM-720F
■ Extension Monitor	✓	✓	✓	✓
■ Pivot	✓	✓	✓	✓
■ Touch Screen		✓		✓
■ VESA 75 Compatible			✓	✓
■ Color	Black Color White Color	Black Color White Color	Black Color White Color	Black Color White Color

* Product Colors and Designs may vary upon each product and above listed specifications are subject to change without prior notice



*** Pivot Caution: display screen rotates one way only**
. Horizontal to Vertical: Clockwise
. Vertical to Horizontal: Counter-clockwise
Do not force to rotate the screen opposite way

▣ Package Contents

Please make sure the following items are included with your monitor.
Contact a local dealer to buy optional items.

▶ UM-710S/ UM-720S



UM-710S/ UM-720S



USB CABLE



Install Disc + User Manual

▶ UM-720F



UM-710F/ UM-720F



USB CABLE



Bracket & Screws for VESA 75

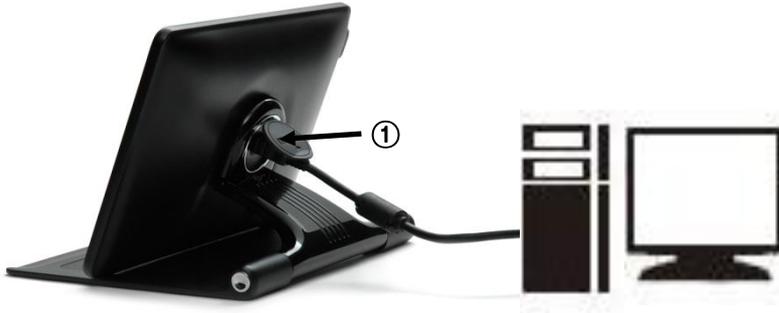


Install Disc + User Manual

※ Package Contents are subject to vary upon each model, please contact your local dealer if any items are missing.

■ Connections and Installation

Display requires **USB connection only**.



① USB Cap: USB mini B type connector inside

► Buttons



► System Requirements

- CPU : Intel Pentium/Celeron/AMD/K6/Athlon/Duron 1.2GHz or above
- RAM : 512MB RAM or above
- USB : at least one or more USB2.0 port
- HDD : 30MB HDD space above
- O/S : Windows 2000 SP4/XP SP2 32bit/Vista 32bit

► Using the Software

With only USB cable connection, a user may operate Display as an Extension monitor with Touch Screen Panel(UM-720S, UM-720F). For more detail functions and feature please refer to page 5 "Product Features")

■ Installing Monitor Driver

This section shows you how to install the DisplayLink USB Graphics software and Touchscreen driver for display device on different operating systems.

Note: If you have v3.x, R4.1 or R4.2 DisplayLink software installed, you must uninstall it, using the Windows Add/Remove programs feature.

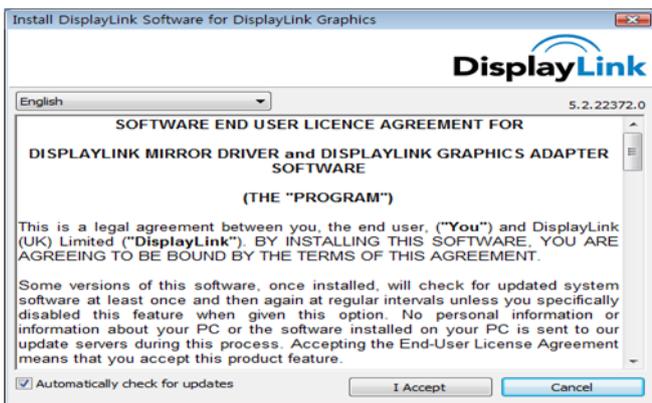
1. Insert the CD into the CD-ROM drive

Important: Do not connect a display device/screen to you PC before install.

Move to Setup.exe file in the directory of "1.DisplayLink Drivers" and double click on Setup.exe.

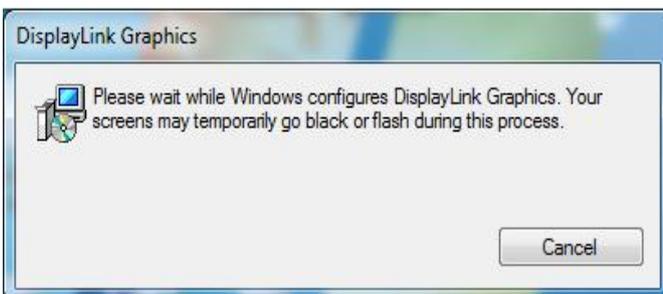
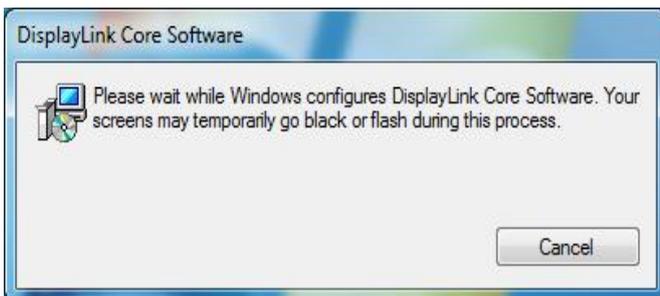
2. Starting to install the USB Monitor Driver

The Windows User Account Control Window opens and click "I Accept" to install the DisplayLink Core software on the following message window.



3. DisplayLink Core Software window opens

The program will show the progress of installing the DisplayLink Core software and DisplayLink Graphics.



Note: The screen may flash or go back during the install and no message will be shown at the end of the install.

4. Installing device driver message

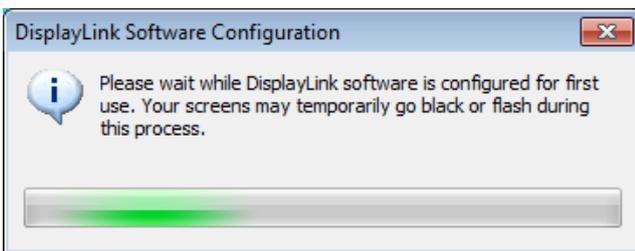
Connect your display device via the USB cable to your PC

For Windows 8, Windows 7 and Vista

Windows detects the new hardware and automatically downloads the driver



A message will be shown that DisplayLink software is configuring itself for first use.



The screen should flash and the display device should start to extend the Windows desktop.

Once the configuration is finished, the DisplayLink software installation will be completed without notification.

For windows XP,

this window installs the driver and the installation will be completed automatically and the below message (or similar) windows opens



5. Rebooting your system

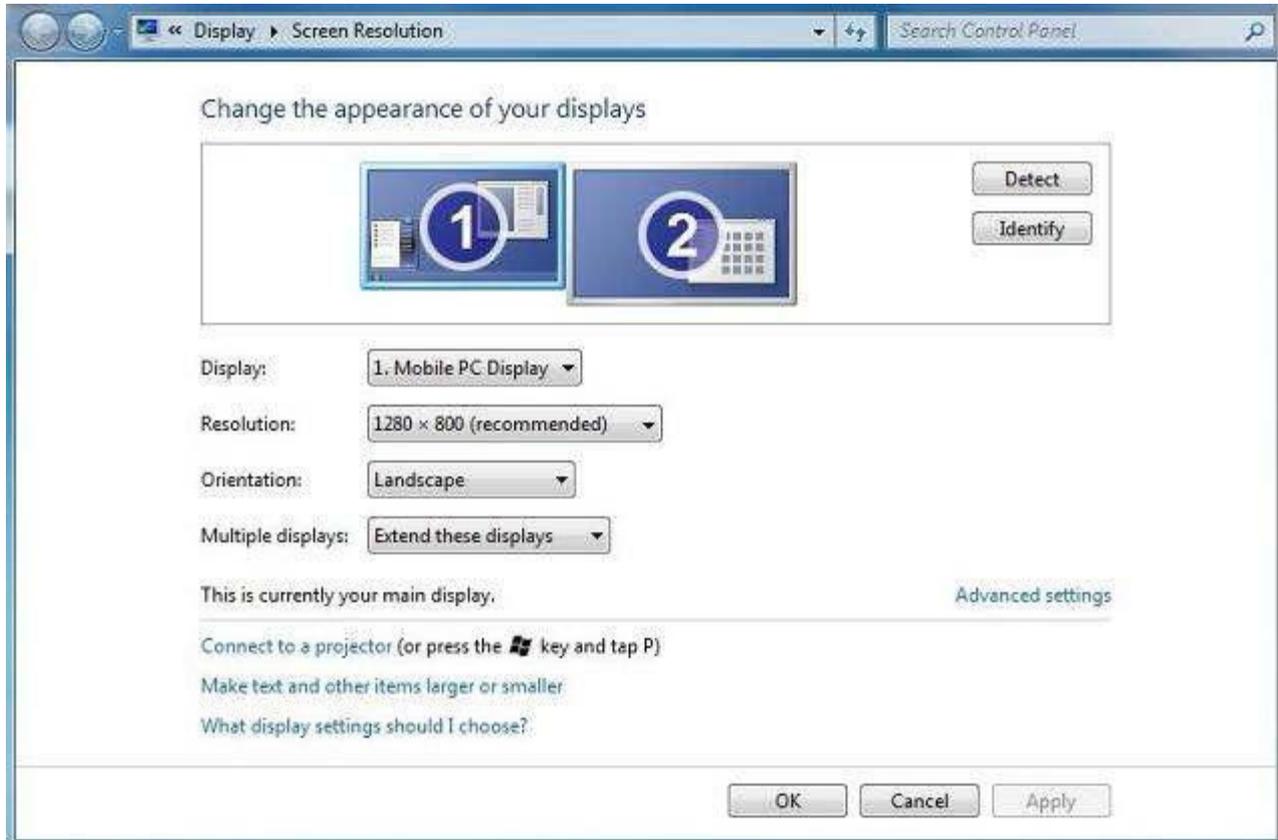
After complete the install of DisplayLink software, on some machines you may need to reboot before you can use your display enabled device. If your display device is UM-720S or UM-720F, you do not have to reboot your system before the install of touchscreen driver.

Note: Please find and install the DisplayLink software for Mac in the directory of "1. DisplayLink Drivers → Mac".

■ Display Display Setting

[In case of Windows 7 – Controlling the display Display]

1. Display Properties Setting



You can configure Display device through the use of Windows Display Properties (WDP), which provides a simple method to attach, rotate, duplicate or extend screens as well as modify screen resolution.

1. Open Windows Display Properties (WDP)
2. Set the display options, Refer to the table below for details on each option

*. How to open Windows Display Propertied (WDP)

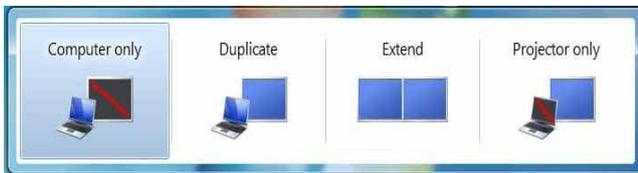
1. Right-click on the desktop
2. Select Screen Resolution from menu

OR

1. Right Click on the Display icon on the taskbar
2. Click 'Advanced'

Menu	Sub-Menu	Description
Display		Use the drop down list to select a display to be configured
Resolution		Use the drop down list and user the slider to choose a resolution
Orientation	Landscape	Sets the display to landscape mode
	Portrait	Sets the display to portrait mode
	Landscape (flipped)	Sets the display to upside down landscape mode
	Portrait (flipped)	Sets the display to upside down portrait mode
Multiple displays	Duplicate displays	Reproduces the main display on the second display
	Extend displays	Extends the main display on the second display
	Show Desktop only on 1	The desktop appears on the display marked, The display marked 2 becomes blank
	Show Desktop only on 2	The desktop appears on the display marked 2, The display marked 1 becomes blank

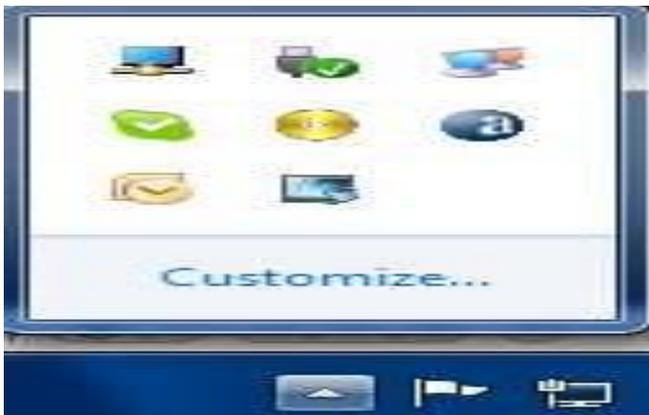
2. Windows Key + P for options of duplicating and extending screen



To control the behavior of an attached Display display, it is also possible to use Windows Key + P to display a menu (and cycle through it) to switch mode, which provides a simple method to duplicate and extend screen.

1. Select the Windows + P
2. Click on one of the options, the display updates to reflect your choice

3. Using Display Manager Menu



To control the behavior of an attached Display display, it is also possible to use Windows Key + P to display a menu (and cycle through it) to switch mode, which provides a simple method to duplicate and extend the main display onto the secondary display.

1. Click the Show hidden icons arrow to show all available icons from the taskbar
2. Click the Display Manager icon, A menu appears with several options, as described in the following table.

Menu	Descriptions
Check for updates	Connects to the Windows Update and checks for newer versions and downloads them, if available
Optimize for Video	Select this option for better movie playback performance, only select this option when playing back video content Note: Text may appear less clear when enabled
Advanced	Opens the Windows Display Properties (WDP)

[In case of Windows Vista and XP – Controlling the Display Display]

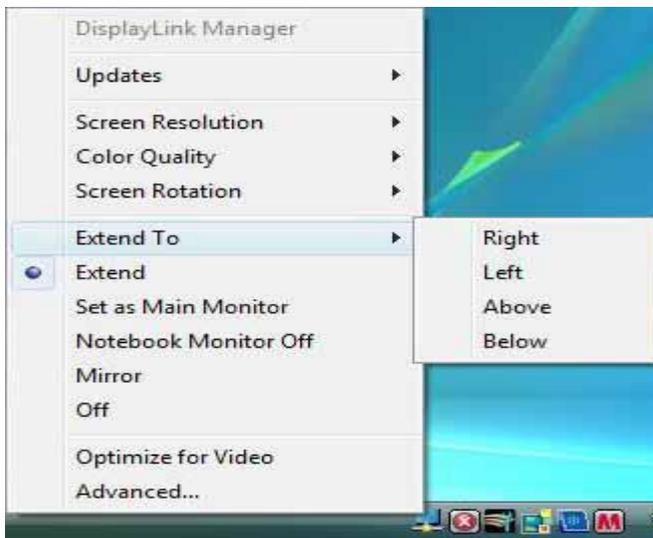
1. Display setting icon.

When the Displaydriver installation is complete, the Display setting icon appears on your system tray.

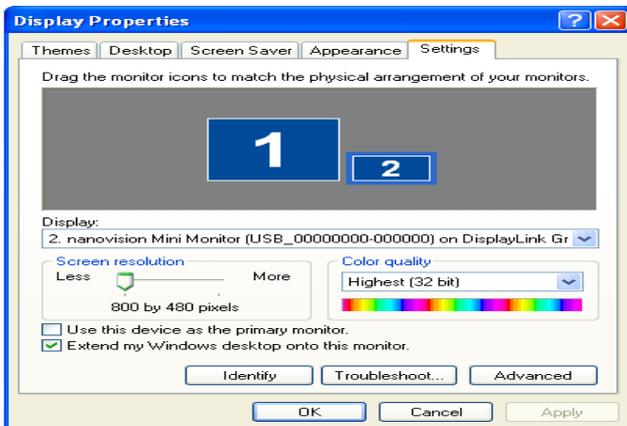


2. Using Display Manager Menu

Click Display icon, then you may see the Display Manager menu on the taskbar, which provides a simple method to attach, rotate, duplicate or extend screens as well as modify screen resolution.



3. Display Display Properties Setting



After finish installation of the Display driver, please follow below steps for multi-monitor setting.
(Microsoft® Windows® XP Operating System)

- ① Right-click on desktop then click "Display Properties", The Display Properties dialog opens.
- ② Select 'Setting' tab, then you may see connected monitors
- ③ Arrange the Display monitor's position with respect to the other monitors on the extended desktop in using the drag area.
- ④ Click 'OK' to save your change.

■ Installing Touch Screen Controller (For UM-720S, UM-720F)

As a matter of course it is highly recommended that any other non UPDD touch drivers be uninstalled prior to installing UPDD.

It is recommended that where possible the Displaydevice is connected to the system

1. Selecting Touch Screen Driver

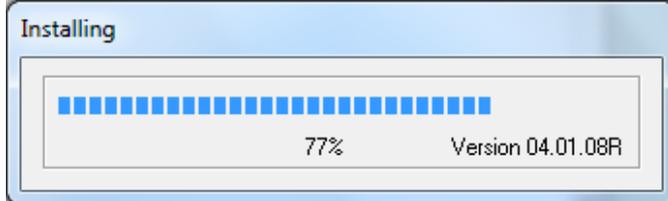
Select the Setup.exe file and click on Setuop.exe in the directory of "Touch Drivers".

Select "Microchip, AR1100, USB" and click "Install" when you see the following message window.



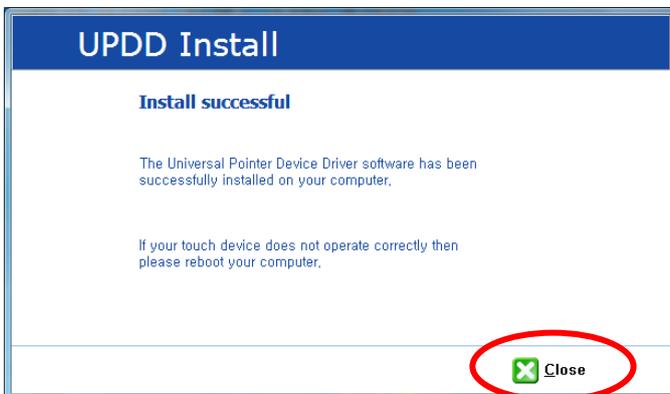
2. Installing the Controller

Program will display the progress as below.



3. Finish Touch Screen Controller installation

Click 「Close」 or <Enter> using keyboard.

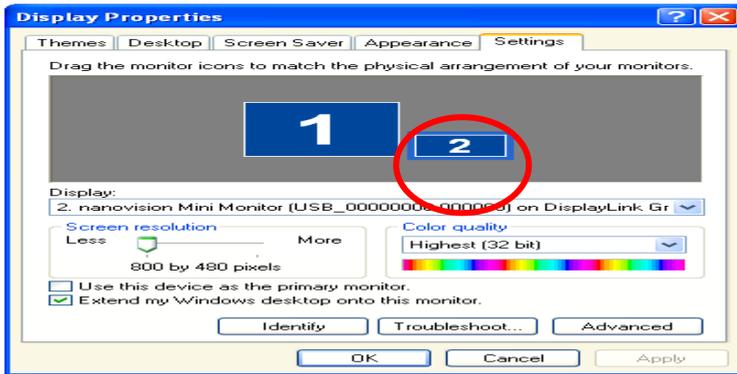


4. Rebooting your system

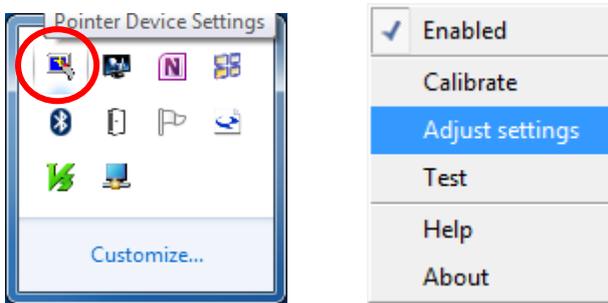
After complete the install, you need to reboot before you can use the Display enabled device.

5. Settings and Calibrations

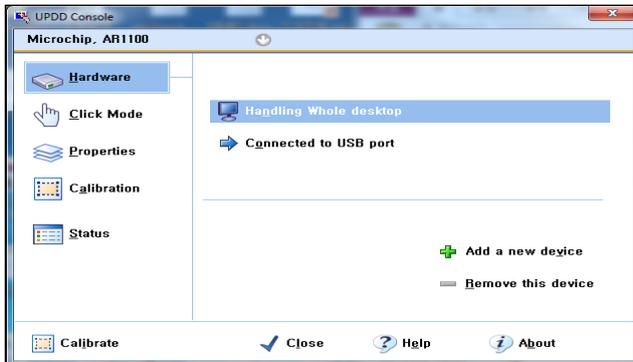
Check the monitor number of the installed Display at "Display Properties"



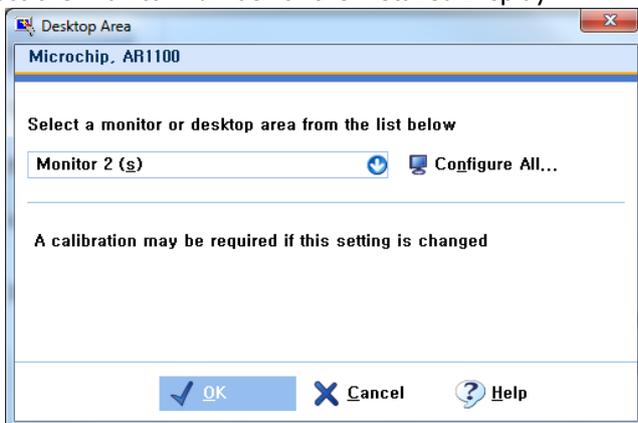
Right-click and click the "Adjust settings to run the UPDD Console on the system tray.



Chose **Hardware** and Click "Handling Whole desktop" menu



Select the monitor number of the installed Display.



► Calibration

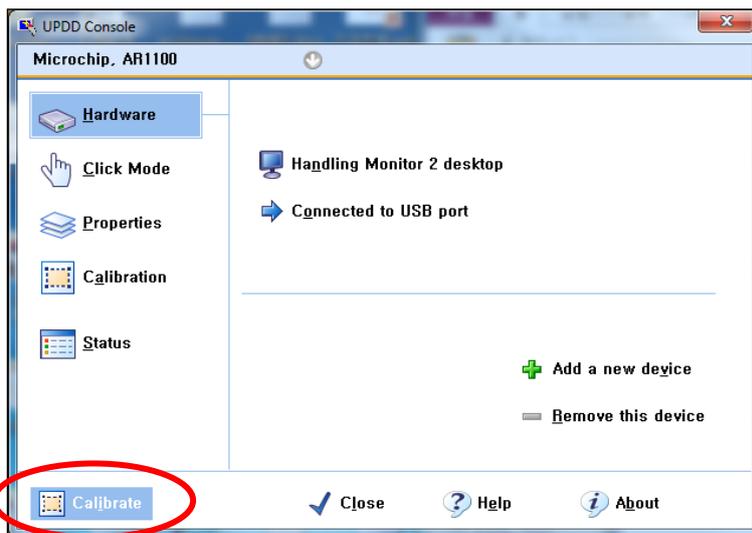
The product is with factory default calibration value. If required user may execute Touch Screen Controller Calibration as follow.

Calibration is very important procedure to align coordinates of the exact touch point on screen with Windows cursor. With the calibration user may utilize Touch Screen Control without distortion.

The last calibration data will be saved in the Windows system so as not to be required after reboot the system except the user rotate the screen.

1.1 Click 「Start」 -> 「Programs」 -> 「UPDD」 -> 「Setting」

1.2. Click UPDD Console (Pointer Device Setting) icon on system tray -> 「Calibration」



Touch + mark position in order then 「Confirm」



In case any mistake in calibration points inputs click 「Cancel」 or leave the screen untouched for about 10 seconds then the Calibration Data will be scrapped.

※ Calibrated Touch Screen coordinates may vary upon the lapse of usage time. Periodical calibration is recommended.

▣ System Requirements & Restrictions

1. Operating Systems

- Windows 8 (32-bit or 64-bit)
- Windows 7 (32-bit or-64-bit)
- Windows Vista with SP1 or 2 (32-bit or 64-bit editions)
- Windows XP Home or Professional with SP 2 or 3
- Windows Server 2008 and 2008 R2

- Mac OS X Snow Leopard 10.6 (Snow Leopard), 10.7 (Lion) and 10.8 (Mountain Lion):
Supported

Note: 64-bit editions of XP and Windows server 2003 are not supported

User may check the Operating System version by Right-click 'My Computer' → 'Properties' → 'System Properties'

2. Display is a USB monitor to be recognized as a Generic USB device. Therefore system boot-up screen or DOS screen cannot be displayed properly.

3. Any software that requires Hardware 3D accelerator cannot be displayed properly with USB monitor. Such as below,

- Real Player (Expansion Mode)
- 3D Graphic Games
- Programs based on Direct X graphic engine

4. If the PC doesn't support USB2.0 Display may not operate properly.

5. If the systems' Graphic card doesn't support WDDM(Windows Display Driver Model), the USM monitor's extension mode may not work properly with Windows Vista System.

i.e.) Matrox Graphic Card specific version

■ Troubleshooting

Before calling for assistance, please read carefully below. If you do need assistance, please call local service center or contact your dealer.

Q: No image on screen, I cannot turn on the Display.

A: Is USB cable connected and did you install Display driver yet?

Please run 'Display Installation Software' in the CD.

For more detail about driver installation, please refer to Connections & Installation chapter

Q: I cannot turn my Display screen on.

A: Please check if the USB cable is connected.

Touch the Display's power button () once then check the screen status.

Please check if 'Display Installation Software' has been installed properly.

1. Right-click 'My Computer' -> click 'Properties' .
2. Click 'Device Manager' at 'Hardware' tab.
3. Locate the cursor on PC at the top of the system tree.
4. Click 'Action(A)' -> "Add Hardware(A)".
5. Reboot the PC.

*** Normal PC recognizes Display as a generic USB device. Frequent power on and off of the device may cause USB device error. Please refer to Microsoft customer support for USB devices' trouble shooting.**

Q: Display screen doesn't move – stands still.

A: Please check Display screen's 'Hardware Acceleration' setting in desktop properties.

Adjust 'Hardware Acceleration' value as 'Max'.

1. Right-click on Desktop to and open 'Display Properties'.
2. Click 'Setting' -> Choose 'Display Mini Monitor'.
3. Click 'Advance(V)'.
4. Please check 'Hardware Acceleration' value as 'Max'.

Q: I cannot boot my system after connecting Display.

A: in case i815 chipset One-Board Type PC system, please disable 'Legacy USB support' option in system BIOS menu and reboot the system.

- BIOS setup method may differ from PC to PC, please refer to the User manual of the PC. Please refer to Microsoft homepage for more detail.

Q: I cannot see DOS opening screen with Display when my PC is booting up.

A: Display is a generic USB device. Since DOS doesn't recognize USB Device while booting-up, Display cannot get video signal from the system..

Q: I cannot run 3D graphic game with Display screen.

A: Display is using USB2.0 interface (480Mbps) for video data transfer. Therefore any program that requires 3D high speed graphic acceleration cannot be displayed properly.

- Restricted Programs,
 - (1) Real Player (Doesn't support Extension Mode)
 - (2) 3D Graphic Games
 - (3) Programs that requires Direct X graphic acceleration
 - (4) Power DVD
 - (5) Win DVD (Version 5 or later)
- Supported Multimedia Players
 - (1) Windows Media Player (Version 10 or later)
 - (2) GOM Player
 - (3) KM Player

Q: How to uninstall "Display installation software"?

A: 'Control Panel' -> 'Program Add/Remove' -> Display Mini Monitor' -> Click 'Remove'.

Q: How many Display can be connected to one PC?

A: Display is a generic USB device. Theoretically a PC can recognize up to 127 USB devices.

However with the latest PC systems, we recommend number of USB monitors and each respective PC system requirements as below.

- 1. 1~2 Display connections** - 1.2GHz CPU / 512 MB Memory
- 2. 3~5 Display connections** - 1.8GHz CPU / 1GB Memory
- 3. 6 Display connections** - 1.6GHz Dual core CPU / 1GB Memory

*** Display response rates on each USB monitor may vary upon the PC's resource management status.**

Q: Display information remains in my 'Display Properties' even after disconnect or power off the Display.

A: The deactivated USB information implies power off or disconnected USB monitor status. To delete the deactivated monitor information, please uninstall 'Display Mini Monitor' driver. Once the driver is uninstalled, you may not use **Display**. **To use Display again please re-install the driver.**

Q: How can I clean the outer case/LCD Panel?

A: Disconnect the USB cable and then clean the Display with a soft cloth, using either a cleaning solution or plain water.

Do not leave any detergent or scratches on the case. Do not let any water enter the monitor.

Q: I lost Display installation disc. Where can I get an additional installation disc?

A: the installation software can be downloaded at Display homepage

■ Specifications

- **Model Name:** UM-710S, UM-720S, UM-710F and UM-720F
- **Display Size:** Diagonal 17.78 cm
152.4 mm(H) x 91.44 mm(V),
- **Display Resolution:** WVGA(800 x3(RGB)x 480)
- **Pixel Pitch:** 0.1905mm(H) x 0.1905mm(V)
- **Number of Color:** 16.7M
- **Contrast:** 400:1
- **Input Power:** USB Power (DC 5V)
- **Power Consumption:** Max. 4W
- **Dimension/Weight**

Model Name		UM-710S	UM-720S	UM-710F	UM-720F
Dimension	Folding	180(W) x 140(L) x 35(D)			
	standing	180(W) x 140(L) x 115(H)			
	VESA 75	180(W) x 140(L) x 35(D)			
Weight (Main Unit)		0.45kg	0.5kg	0.45kg	0.5kg

Specifications are subject to change without prior notice.