# Updating the HMI application (Firmware) on a CE Touch Panel

**Applicable to:**

OS version 1.2.0 or later

CE touch panel only (Does not apply to Touch screens that have proprietary OS).

**How do you check the Current Firmware version?**

When your CE TouchPanel is in the process of booting up, it will launch the CE HMI application automatically if the program is set to launch on power up (**CE HMI application is set to launch on powerup by default.**)

You can see in the image below the CE HMI application in the process of starting. This rectangular loading screen displays the current revision of your CE Panel HMI Firmware (eg: I.14.4 is the firmware revision of this particular unit in the Picture).

You could also check for the current firmware version on your panel by clicking on the PANEL → INFORMATION in our programming software.
(You will have to connect the panel to your computer)
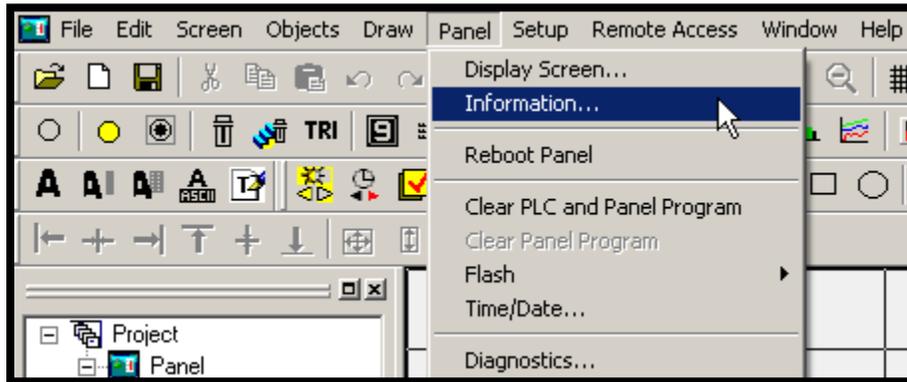


**When should you update the firmware?**
The main reason for updating the CE firmware is software compatibly. When using a newer version of the EZSeries TouchPanel Editor, it may ask that you update the firmware to a compatible version before it can load the project.

When troubleshooting an issue, our Technical Support team may ask that you update the firmware as well.

**Note:**
Firmware Update can be done via a USB stick plugged into the host USB port or via Compact Flash Card that can be plugged into the designated "Flash" slot located on the back of the unit. When attempting to upgrade the firmware via USB, a USB hub to expand the amount of ports will allow you to connect a USB stick as well as a mouse if you are uncomfortable with navigating the CE environment with Touch. Otherwise, you can copy the firmware files on a Compact Flash Card, plug it in the designated spot, and use the USB port to plug in a mouse. If you need more information about this do not hesitate to contact us.

**Warning:** Firmware upgrades performed incorrectly can render your hardware unusable. Make sure that you follow the procedure below while making a firmware update to your CE touch screen.

## Procedure:

1. You were sent a folder named **EZ CE TouchPanel.** This folder will most likely be in a zipped format. If the folder is in zipped format, you must first unzip it.

2. Inside the EZCE touch panel folder, you should see five different items in total – shown below

| | |
|---|---|
| Projects folder<br>EZCE_ touch panel.exe<br>EZCE_ Touch panel.zip<br>mode.txt<br>Readme.doc | Name ▲<br>📁 Projects<br>🖳 EZCE_TouchPanel.exe<br>📋 EZCE_TouchPanel.zip<br>📄 mode.txt<br>📝 ReadMe.doc |
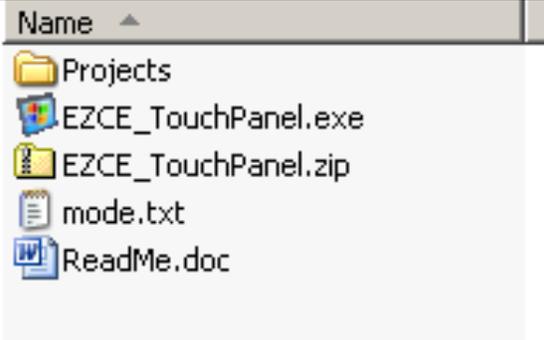
You must copy these files to a Standard Compact Flash Card or a USB thumb drive.

**DO NOT** unzip the "EZCE_TouchPanel.zip" file which will always have a name identical to the executable as shown above for a hint**.** This file **must** remain zipped!

3. Plug in your USB thumb drive or Compact Flash card to the CE Panel.

4. On the CE Panel, navigate to "My Computer" where you should see the folder "Storage Card" for a Compact Flash Card or "Hard Disk" for a USB thumb drive. Enter the appropriate folder. Then enter the unzipped firmware folder, **select all 5 files** seen in the image above and **copy** them.



5. On the CE Panel folder options menu bar, return to "My Computer" folder by clicking the blue back arrow. Once in "My Computer" you will see the "FLASH" Folder. Enter this folder
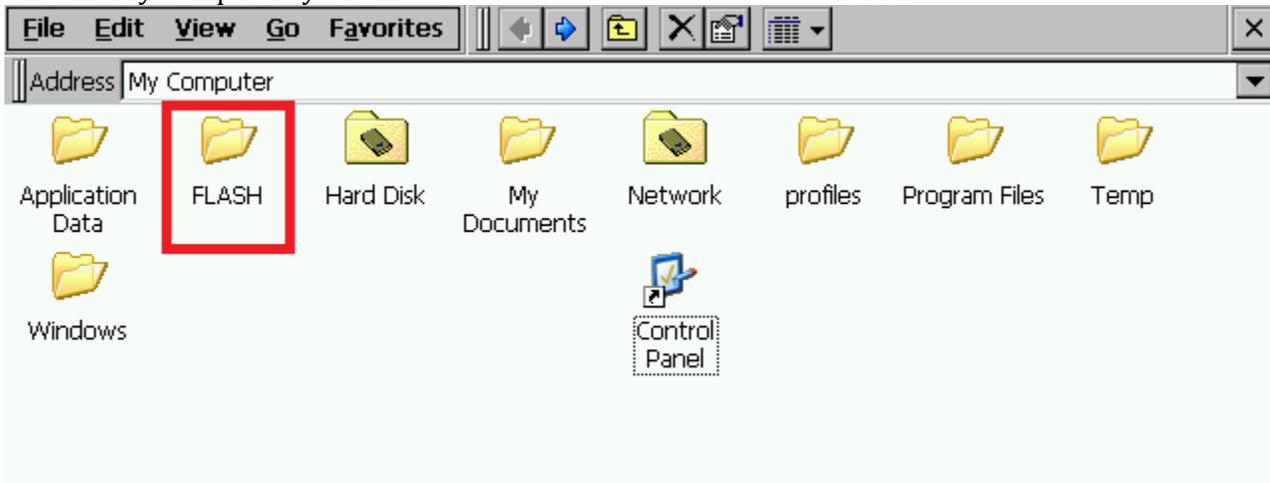
6. In the "FLASH" folder you will see the "EZCE TouchPanel" or "CE HMI" folder. This folder contains the existing firmware of the unit. Enter this folder

| File | Edit | View | Go | Favorites | ◀ ▶ | 🔳 ✕ 🖳 | ▦ ▾ | ✕ |

Address \FLASH

📁 Desktop    📁 EZCE TouchPanel    📁 Favorites    📁 StartUp    📄 elog    📄 FlashReadMe
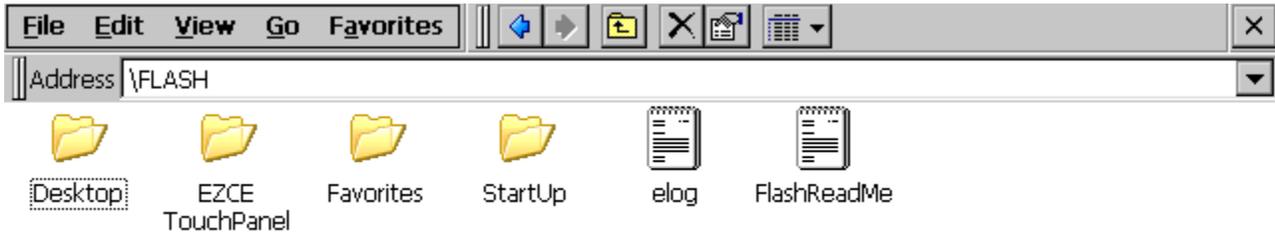
7. Once in the EZCE TouchPanel folder you should see the same group of 5 files. You must right click and **Paste** the new files into this folder. If done correctly, a prompt will pop up asking you if you want to replace the previous file. **Click yes to all**
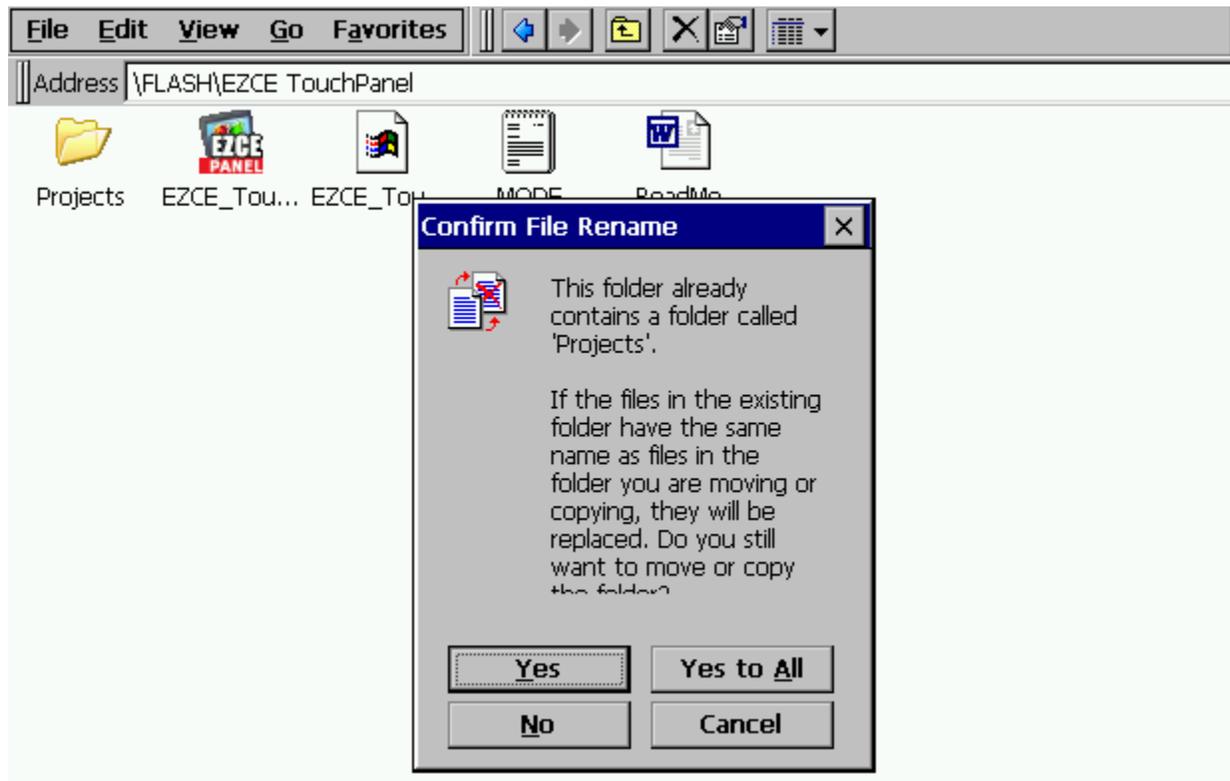
| File | Edit | View | Go | Favorites | ◀ ▶ | 🔳 ✕ 🖳 | ▦ ▾ |

Address \FLASH\EZCE TouchPanel

📁 Projects    EZCE_Tou...    EZCE_To...    MODE    ReadMe

**Confirm File Rename**  ✕

This folder already contains a folder called 'Projects'.

If the files in the existing folder have the same name as files in the folder you are moving or copying, they will be replaced. Do you still want to move or copy the folder?

[ Yes ]   [ Yes to All ]
[ No ]    [ Cancel ]

8. Once the EZCE Touch panel files are pasted into the folder, double click on the small "Floppy Disk" icon in the system tray just to the left of the clock.



Once the Floppy Disk icon is clicked, a prompt will pop up as shown below:
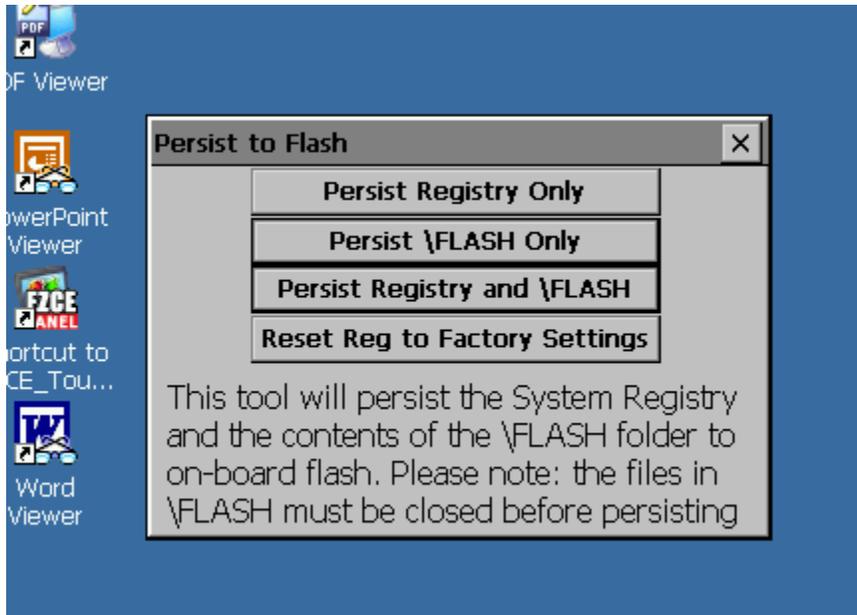


Select "**Persist \Flash Only**". The unit will now start writing to the onboard flash. **DO NOT CYCLE POWER until the saving to flash is complete**, which will be indicated by the box displaying "Successful"

9. You should now be able to run the HMI application with the new firmware on it. Navigate to the CE Panel's \Flash\EZCE TouchPanel folder. Double click on the colorful EZCE Panel icon.

The application should auto launch if the unit is power cycled and the option to auto launch is selected.

10. For convenience a shortcut can be placed on the desktop by performing a "Copy" on EZCE Panel icon then navigating to the desktop and performing a "Paste Shortcut" and persist to Flash again.

**During the Installation, if you are asked to re-enter the path for the projects directory at any point, follow these steps:**

1. Start the HMI application and the moment you see a Gray Box that says "Loading EZCEPanel Application" click on to it.

2. Now you should see an application set up window. Click on the path button from the right top corner of the window.

3. Bring up the task bar and click on the icon that has a red pencil on it. Click on the Keyboard selection to bring up the on screen keypad.

4. Under New Project Path, type **\FLASH\EZCE Touch panel xxxx\Projects\** and click OK twice.

5. You should now have the HMI application open on the panel.

**To configure your HMI Program to auto start upon power-up, perform the following steps:**

1. Power up the CE Touch Panel

2. When you see a gray box that says "Loading EZCE Panel Application", click on it.

3. The Application Setup window will appear. In the **Select Project** drop down menu, select the project you wish to start automatically.

4. Check the three checkboxes.

5. Click "OK"
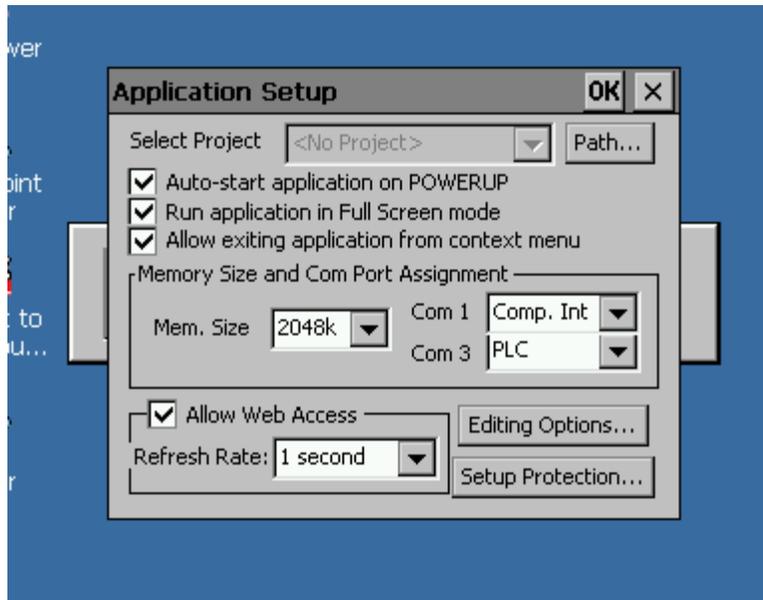


6. Your selected project will now load every time you do a power cycle to the unit.

**If you are unable to resolve your issues or have more questions, please do not hesitate to contact us at Email: Techsupport@ezautomation.net Phone: 1-877-774-3279**