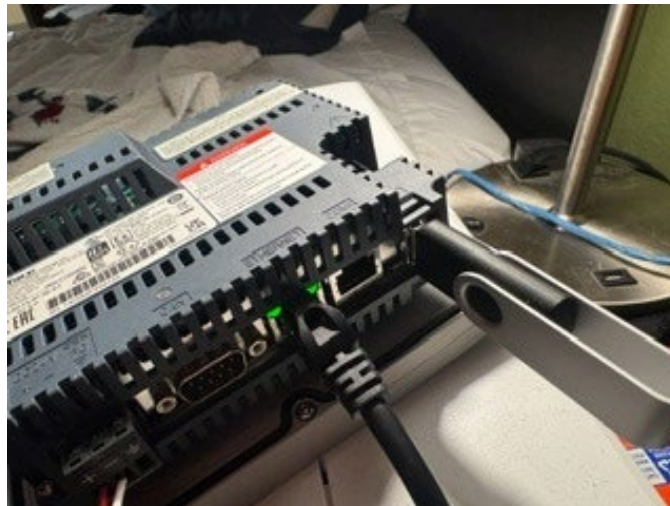


## Updating the Pro-face HMI using a USB stick.

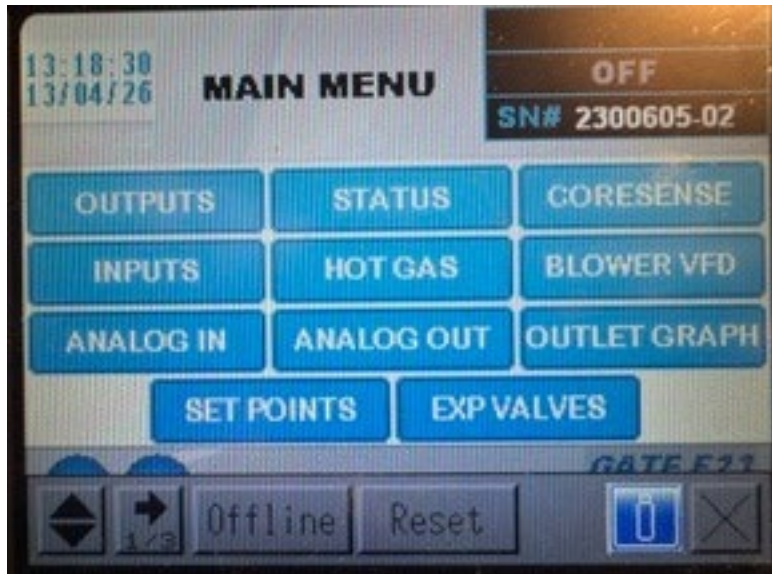
In the field most HMI's will typically already have software loaded. So we start with a used HMI that needs to be loaded with software developed in India where all the layout screen colors and standards are different so it's easy to see success.



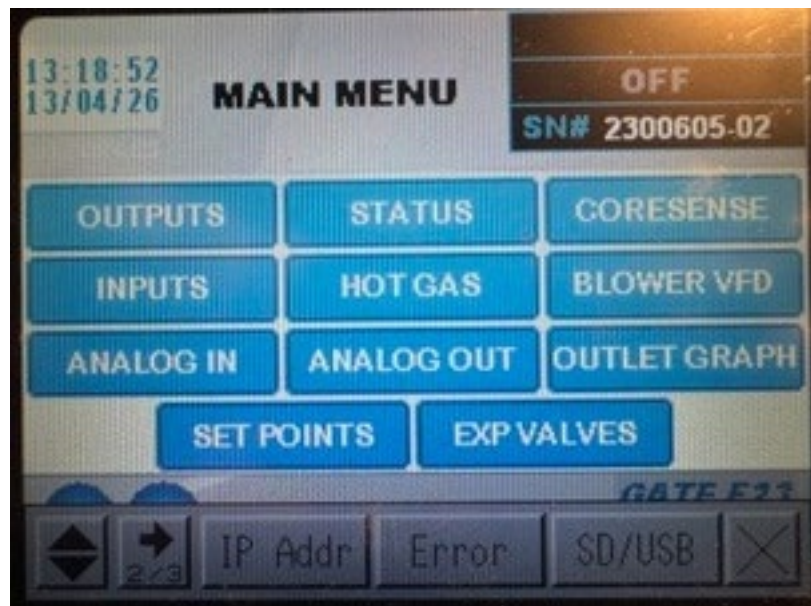
Of course, the USB must be connected. We only use 8 gigabyte or less memory sticks formatted with fat32, not NTFS. If you can find them old USB sticks with as little as 50 megabytes work just fine. The USB port is on the bottom right of the HMI itself. Here's a picture of a USB memory stick properly installed in a unit that's not mounted on in a control cabinet.



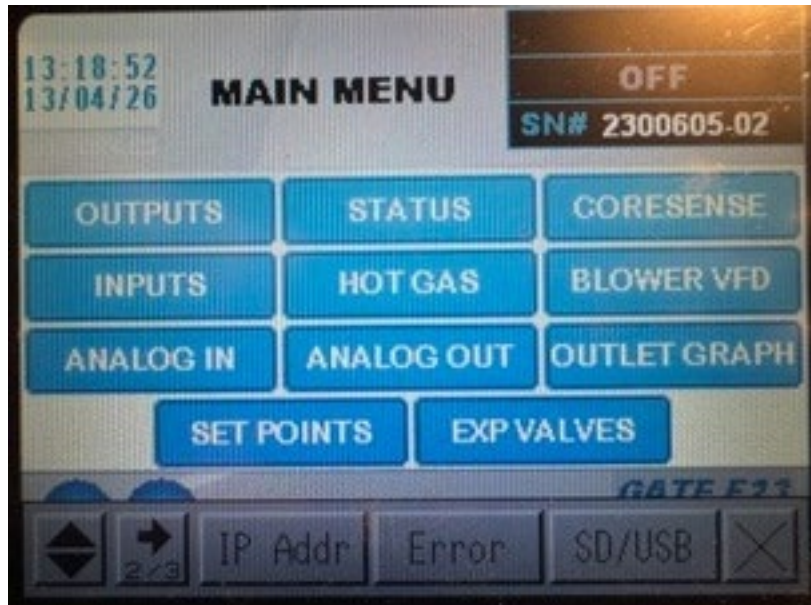
Once the USB is installed, we then press the diagonal screen corners to get the system menu which pops up at the bottom of the screen, you'll also see a blue indicator on the HMI screen in the lower right-hand corner that shows there's a USB in the port.



Do not press the "Offline" button, press the "1/3" button just to the left of the "Offline" button.



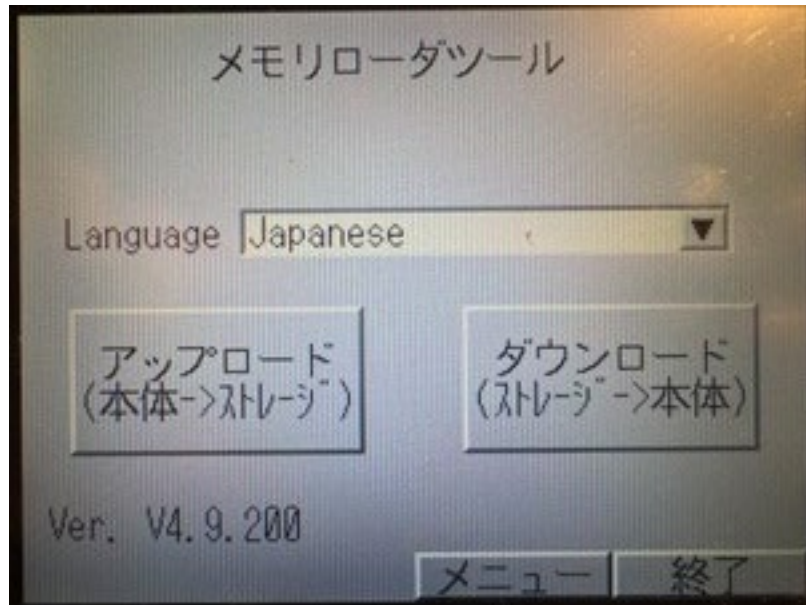
The “1/3” button is now replaced with the “2/3” button and the “Offline” and “Reset” buttons are replaced by the “IP Addr”, “Error”, and “SD/USB” buttons. Press the “SD/USB” button.



The menu changes again so the only button with text is the “USBStart” button. Press the “USBStart” button.



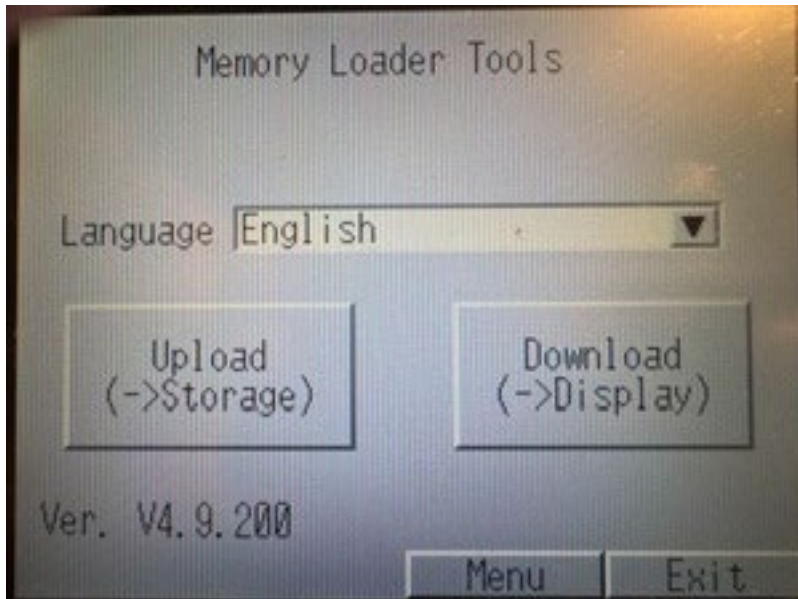
Give the HMI a few seconds here, it may flash the startup screen before going to a grey screen which is the language selection screen where you can choose English or Japanese. This is the Japanese screen.



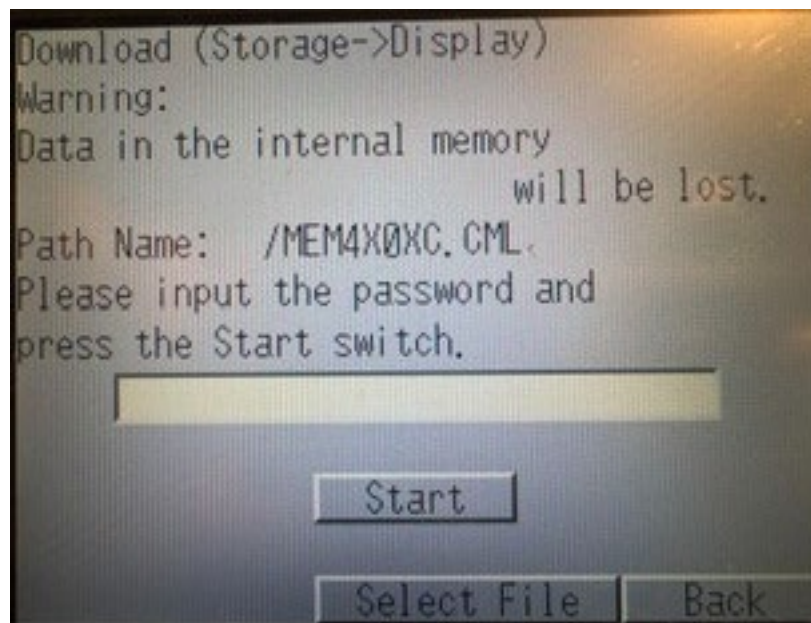
If it's Japanese, then change the language by using the pulldown menu.



The screen language will become English if it wasn't already English when you first entered the screen.



Now press the Download button on the right and you'll face the password challenge screen. The Indian HMI's currently do not have a password so it will show a password field that can't be edited with "Password not set." Just above it, while American HMIs will always have to have the password "5665" entered. The password challenge comes from the software installed, not the software being loaded from the USB.



By tapping on the entry field the screen keyboard pops up allowing you to enter the password, numbers are accessible by pressing the big black triangle in the upper left corner of the keyboard.



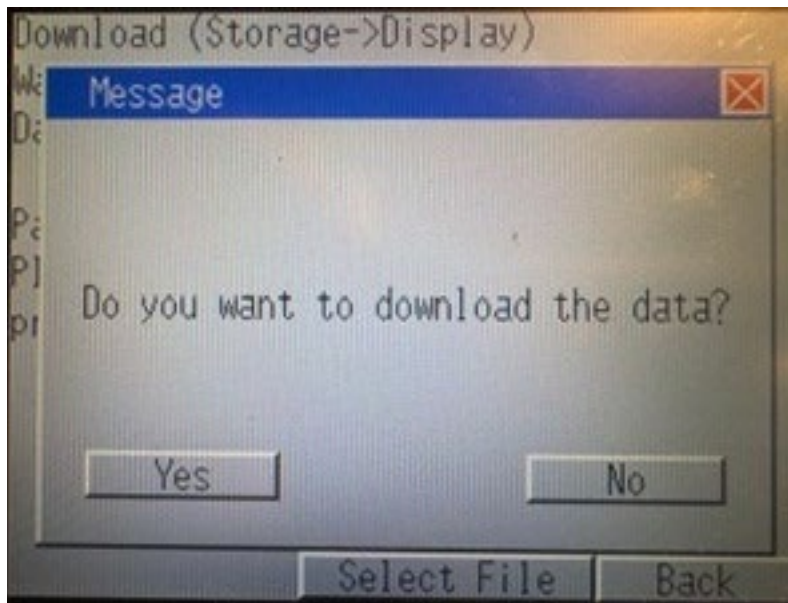
Type in the password, which is always 5665 with no quotes.



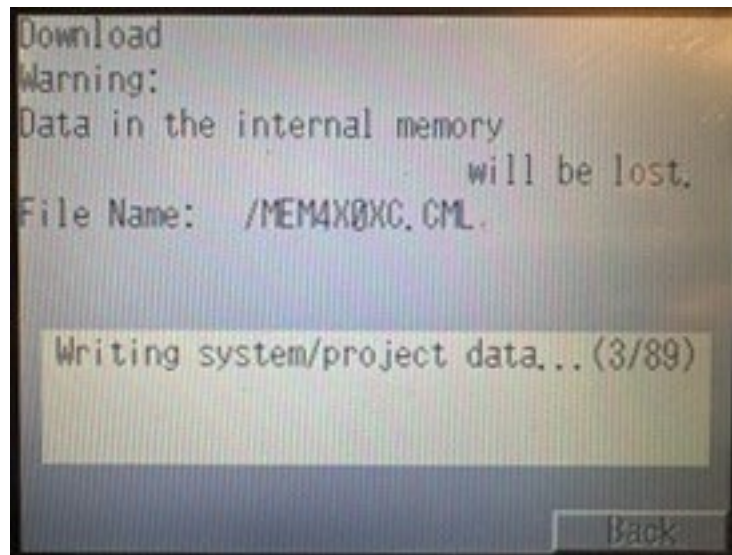
The “Start” button will not work with the keyboard up so press the “ENT” key on the right side of the keyboard to continue.



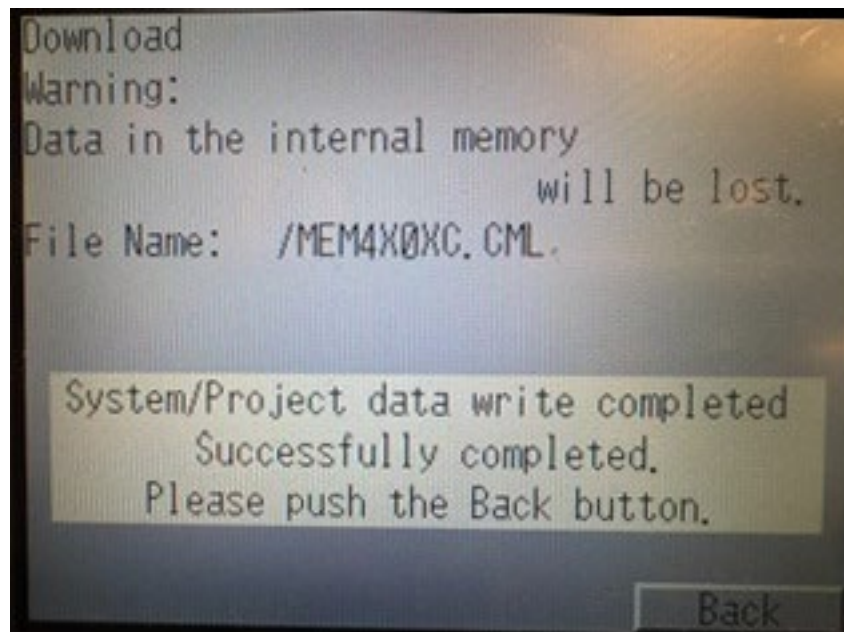
Now you can press the “Start” button to begin the download after the Pro-face HMI makes one last confidence check.



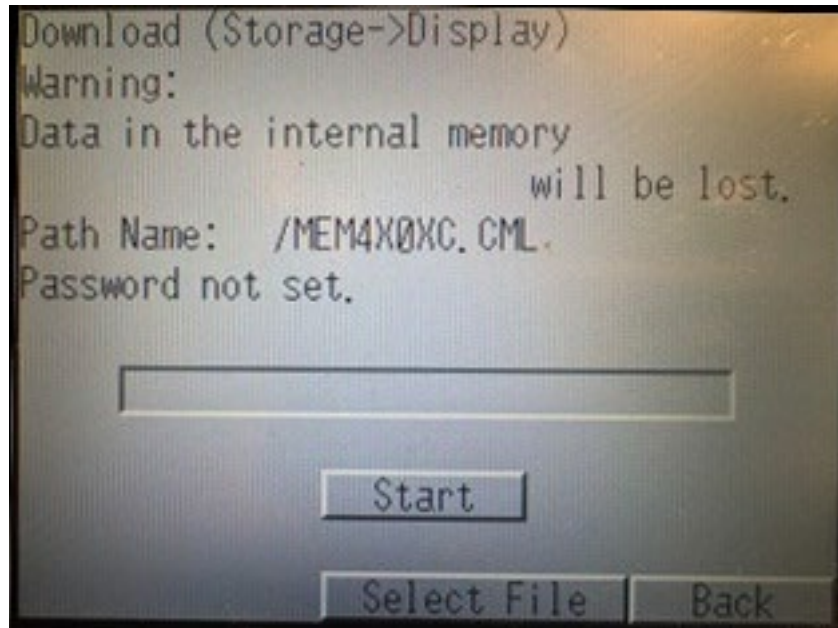
Just press yes to continue.



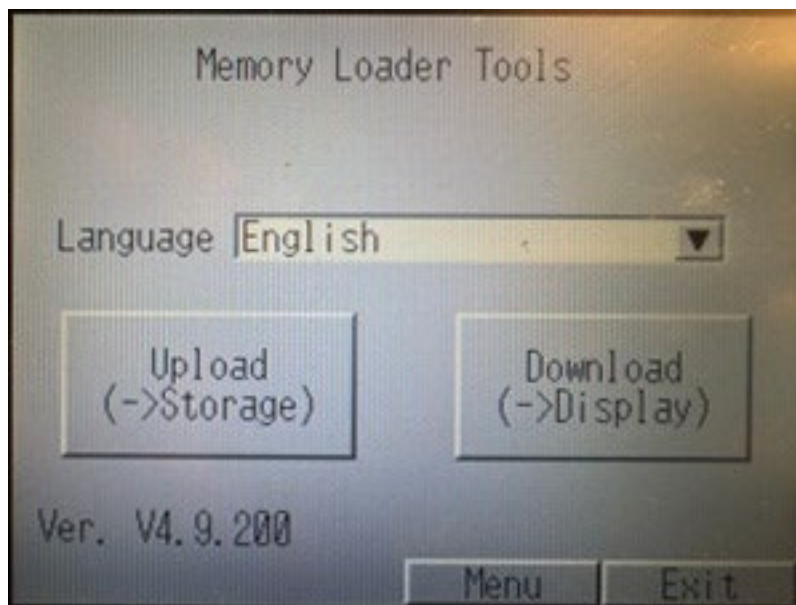
You'll see a little counter that in this case increments to 89 to show you the download progress, let it finish the count. Once it's done counting there's nothing else to do but hit the back button in the lower right corner of the screen.



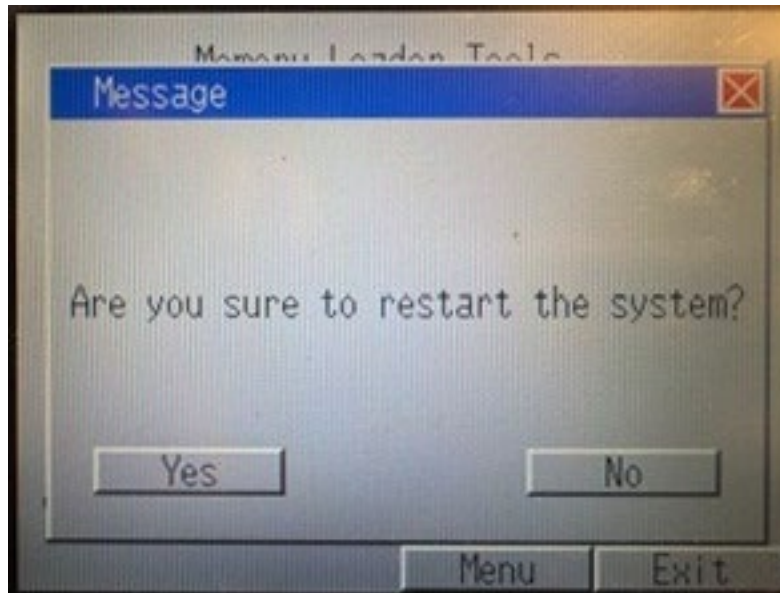
Which brings us back to the password entry screen that's no longer useful to us so press the "Back" button again. Note this is what the password screen initially looks like when the software in the Unit has no password.



After pressing the back key we end up back on the language selection and Upload / Download controls, but the "Back" button has been replaced by the "Exit" button. Press the "Exit" button.



Then the HMI presents us with their final HMI confidence screen to make sure we want to restart the system with the new software installed.



Press the “Yes” button. The sign on screen will now load up and on all American produced systems indicate the Pre Cooled Air model type, and on Indian systems show their generic company logo screen.



After fully loading up we'll arrive at the initial starting screen for the system and we can now safely operate the system, this is also the proper time to remove the USB stick from the HMI's USB port.

