

Future Design Controls

Kiln / Sterilizer Firmware Update Procedure utilizing USB I-Stick Memory Device Update v1.1 through v1.3 to v1.4

Future Design Controls Orion Kiln / Sterilizer control system firmware may be easily field updated utilizing a factory provided USB Memory I-Stick with the updated firmware.

Shown below is the procedure to exit the Kiln / Sterilizer runtime, navigate the Windows CE operating system to a specific directory, start the update and confirm the update was completed.

Note: this update does not change any previous settings or schedules

1) Exit the Kiln / Sterilizer runtime.

(Note: Do NOT install the USB I-Stick memory device until directed to do so in Step #2.)

From the Kiln / Sterilizer Main View

- Select Setup from the top menu bar
- Select Kiln Settings
- From Kiln Settings select OFFLINE
- From OFFLINE select “Exit Application”
- From the Exit application screen select the first/top choice “Exit and Start Runtime on Next Power Up”.
 - A dialog box will pop asking if you are sure - select Yes



This will bring you to the Splash Screen below - Figure 1.



Figure 1

2) Plug the factory provided USB I-Stick Memory device with the updated firmware into one of the two USB ports located on the back of the display; either one is acceptable.

3) Navigating Windows CE to the System “HardDisk” directory and running “Orion Kiln Tool” file (system firmware update tool).

3.1) Bring up the system “Start” button - Figure 2

The Start menu is hidden. Touch the lower bottom left corner of the screen to view bring-up the “Start” button with the menu system as shown in Figure 2

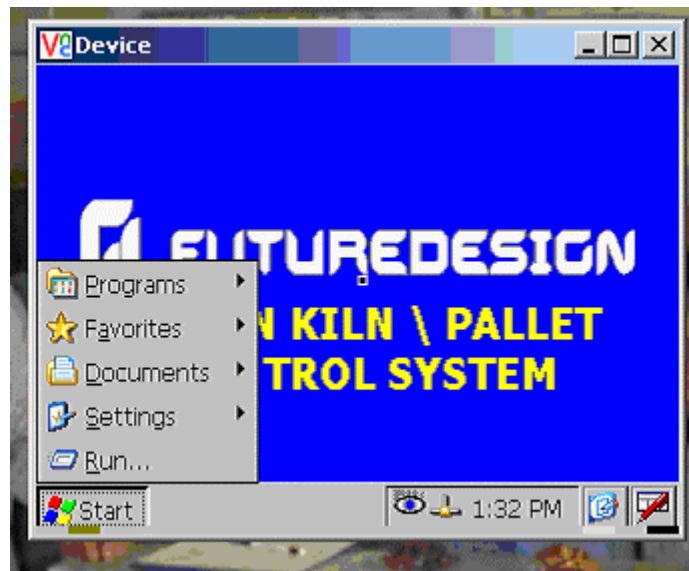


Figure 2

3.2) Select Start, Programs and then Windows Explorer as shown in Figure 3



Figure 3

3.3) Select "HardDisk" directory - see Figure 4
Open the "HardDisk" file by double "clicking" on it or by pressing and holding the Hard Disk folder until a menu system appears and then slide you finger to OPEN



Figure 4

3.4) After opening “HardDisk” the screen displays a “Files” directory and “Orion Kiln Tool” Icon - see Figure 5.

Open the “Orion Kiln Tool” Icon file by double “clicking” on it or by pressing and holding the Orion Kiln Tool icon until a menu system appears and then slide you finger to OPEN



Figure 5

3.5) When the “Orion Kiln Tool” Icon is properly opened the screen below is shown - Figure 6.

Press the UPDATE button and follow any instructions.



Figure 6

3.6) Upon completion of the update a dialog box will pop with directions how to continue - see Figure 7

Press the “OK” button on the dialog box and complete the update process described in the dialog box & shown in Section 3.7.



Figure 7

3.7) After selecting the “OK” button in the previous section the unit will now show the screen below - Figure 8.

You can now power down the unit and remove the I-Stick.

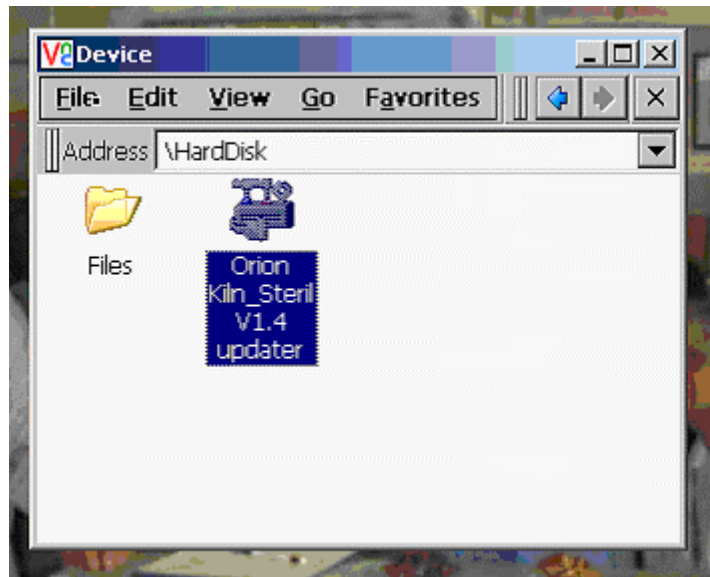


Figure 8

4) Confirm System Update

Repower unit to confirm the firmware system updated to the supplied version number.

4.1) Navigate to Settings, Help and About Orion Kiln

- From Main Screen go to Setup
- Kiln Settings
- From Kiln Settings go to Help
- From Help Select “About Orion Kiln” (see Figure 9)



Figure 9

4.2) View HMI Version number to confirm update

Once “About Orion Kiln” is selected the screen below will be shown - **Figure 10**

Confirm the HMI Version now indicates the same version number as supplied on the USB I-Stick Memory device.

Below in Figure 10 the HMI shows version 1.4



Figure 10

NOTE this update does not change any previous settings or schedules

For assistance on the above please contact

Technical Support: Al Orsino

Office: 866-342-5332

Cell: 315-796-4586

al_orsino@futuredesigncontrols.com