

# Future Design Controls

## Kiln / Sterilizer Firmware Update Procedure utilizing USB I-Stick Memory Device

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

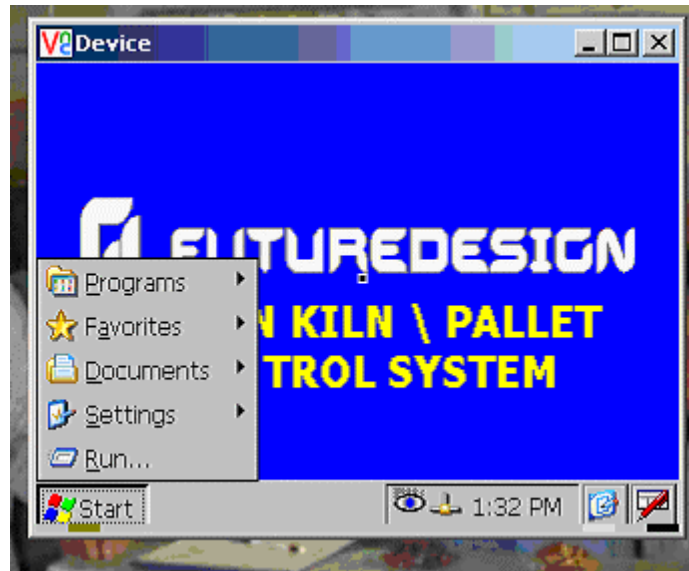


Figure 2

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 and will show the appropriate updated version number (v1.3 shown below). 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 (appropriate update version will be shown).

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

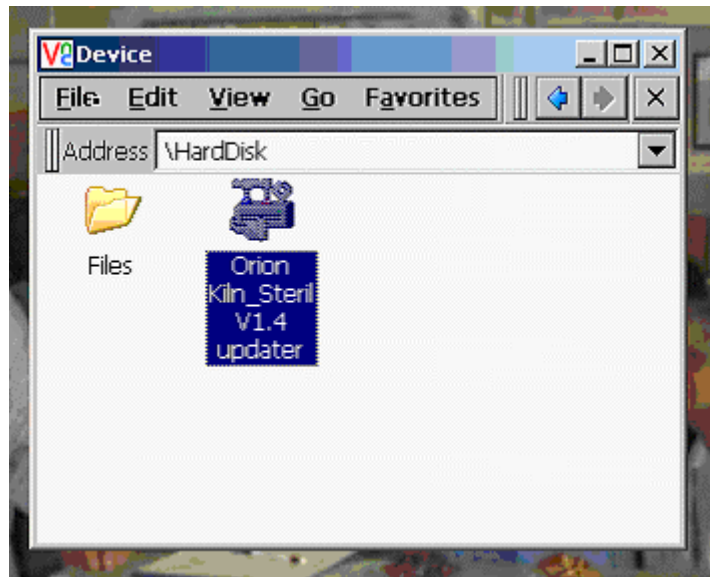


Figure 8

#### 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 - the updated version number will be shown



Figure 10

**NOTE this update does not change any previous settings or schedules**

**For assistance on the above please contact**

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