





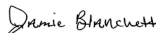







Release of Aeroflex® AER Software V1135631002
 TB-118781 Revision A
 June 14th, 2022

Authorization Approvers

| Position | Print Name, Signature, and Date |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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Technical Bulletin Category:

- | | |
|------------------------------------------------------------------------|--------------------------------------------------------------|
| <input type="checkbox"/> Mandatory | <input type="checkbox"/> Informational Only |
| <input checked="" type="checkbox"/> Mandatory, Next Call | <input type="checkbox"/> As Required |
| <input type="checkbox"/> Mandatory, Next Planned Maintenance | <input type="checkbox"/> Scope Database |
| <input type="checkbox"/> Mandatory, Next Corrective Maintenance | <input type="checkbox"/> Field Action: QRB/CAPA# |
| | <input type="checkbox"/> QRB/CAPA# (Non-Field Action) |

- | | | | |
|--------------------------------|----------------------------------------------|------------------------------------------------------|-------------------------------------------------------|
| Activity Generation | <input type="checkbox"/> FSE | <input checked="" type="checkbox"/> System Generated | <input type="checkbox"/> N/A |
| Terminal Sterilization | <input type="checkbox"/> NX Legacy (10033) | <input type="checkbox"/> 100NX Legacy (10104) | <input type="checkbox"/> 100S (10101) |
| | <input type="checkbox"/> NX ALLClear (10033) | <input type="checkbox"/> 100NX ALLClear (10104) | |
| High Level Disinfection | <input type="checkbox"/> EvoTech (50004) | <input type="checkbox"/> Endoclens (27000) | <input checked="" type="checkbox"/> AEROFLEX™ (28000) |
| Ecosystem | <input type="checkbox"/> ACCESS (53001) | <input type="checkbox"/> Velocity (43220) | |

Part Numbers:
115961-09
116062-02 (Only required if the GUI SW version is not current)

Serial Number Breakpoint: N/A

CO Releasing TB: CO-P-0002210
Other CO Reference:

This TB Replaces: TB-118755, TB-118730, TB-118728, TB-118711, TB-118701

Distribution Group(s):

- | | | | |
|--------------------------------------------------|------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|
| <input checked="" type="checkbox"/> Asia Pacific | <input checked="" type="checkbox"/> Canada | <input type="checkbox"/> EMEA | <input checked="" type="checkbox"/> Latin America |
| <input checked="" type="checkbox"/> FSEs | <input type="checkbox"/> EVOTECH Affiliates | <input checked="" type="checkbox"/> AEROFLEX™ Affiliates | <input type="checkbox"/> ENDOCLENS Affiliates |
| <input type="checkbox"/> Biomed | <input type="checkbox"/> 3 rd Party | <input type="checkbox"/> Other Distribution: | |

Important: U.S. based Field Service Engineers (FSEs) must complete online training prior to performing the actions described in this bulletin.

FSEs and Affiliates that are based outside the U.S. should complete their region's training guidelines for technical bulletins prior to performing the actions described in this bulletin.



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Part Disposition Use-As-Is Scrap Rework N/A

Scope

This Mandatory, Next Call technical bulletin (TB) announces the release of Aeroflex® AER Software V1135631002, which is on the USB software upgrade thumb drive for Aeroflex® (Part No. 115961-09). The new software version will address the following issues

- Improve the detergent prime feature
- Allow more time to fill the basin with water
- Improve the MRC reagent feature for the QC check
- Improve the inline temperature sensor values
- Improve the RFID scan feature for OPA
- Improve the cycle printout feature

Tools Required

N/A

GUI SD Card

1. Verify the GUI software version in the bottom left corner of the boot screen (black background). If the GUI software version is 1138960301, proceed to the Software Upgrade procedure. If the GUI software version is not 1138960301, proceed to step 2.
2. Make sure that the power switch on the reprocessor is off.
3. Unplug the reprocessor.
4. Turn the water supply off.
5. Remove the old MicroSD memory card. To remove the MicroSD memory card, slide the metal MicroSD frame forward, then pull out the Micro SD memory card (Figure 1).

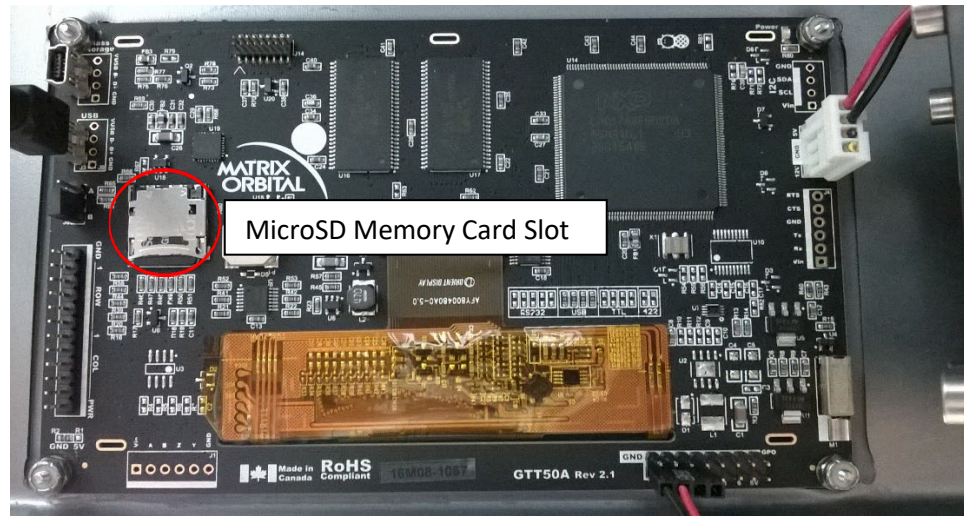


Figure 1. Touch Screen Display

6. Insert the new Aeroflex GUI software Programmed SD Card (PN 116062-02) into the card slot and close the MicroSD frame.
7. Proceed with Software Upgrade procedure.

Software Upgrade

1. Record the alcohol and detergent dispense time from the system's setup screen.
2. Power down the reprocessor.
3. Insert the USB software upgrade thumb drive, P/N 115961-09.
4. Power up the reprocessor. The system will automatically check for the presence of the software upgrade files in the root directory of the USB memory drive. If a USB drive is detected by the system, the system will print "USB Detected" and automatically execute the upgrade procedure by replacing existing files on the unit with those on the USB memory drive. When the upgrade is in progress, the software will print "Software Upgrade Detected" and print the progress of the software upgrade. If a USB drive is detected and any of the specified upgrade files are missing from the USB memory drive, the software will print "Files missing or corrupted". When an upgrade is in progress, if any software upgrade file fails the data integrity check, then the software will print "Files missing or corrupted".

When starting the upgrade of the MRC software, the software will display "MRC Software Upgrade found" and begin the process of upgrading the MRC software to the MRC PIC board. If the current MRC software version is greater than the new MRC software version, the software will print "Invalid version. MRC SW Upgrade bypassed" and skip the MRC upgrade process. The software will print the MRC current software version: "Current SW Ver. : XX.XX" and New SW Ver. : XX.XX", where XX.XX is the MRC software version. If the software is unable to successfully upgrade the new software into the MRC PIC board, the software will print "MRC upgrade failed".



In the case the software printed indicates “Software Upgrade Detected” as depicted in the following figure, it is advised to disregard the GUI and MRC errors.

```

ipUSB Detected

*****
                Software Upgrade Detected
*****
MRC Software Upgrade found
Current SW Ver. : 02.02
New SW Ver.    : 02.02
MRC Software Upgrade in progress
MRC upgrade failed
Host Software Upgrade found
Current SW Ver. : 1135630501
New SW Ver.    : 1135630501
Host Software Upgrade in progress
GUI Software Upgrade found
GUI SD card not detected!
Remove USB Drive and reboot the system.
*****

```

Figure 1. MRC Upgrade Failed Print-Out

Once the software successfully upgrades the new software into the MRC PIC board, the software will print “MRC upgrade completed”.

When starting the upgrade of the Host software, the software will display “Host Software Upgrade found” and begin the process of upgrading the Host software to the Host Controller board. The software will print the Host current software version: “Current SW Ver. : X.XX” and New SW Ver. : X.XX”, where X.XX is the Host software version. If the Host current software version is less than or equal to the new host software version, the software will print “Host Software Upgrade in progress”. If the Host current software version is greater than the new Host software version, the software will print "Invalid version. HOST SW Upgrade bypassed" and skip the Host upgrade process.

When starting the upgrade of the GUI software, the software will display “GUI Software Upgrade found” and begin the process of upgrading the GUI software to the GUI display board. If the GUI SD card is not detected, the software will print “GUI SD card not detected!”, then abort the upgrade process and print “SW Upgrade aborted.” If the GUI SD card is detected, the software will print the GUI current software version: “Current SW Ver. : X.XX” and New SW Ver. : X.XX”, where X.XX is the GUI software version. If the GUI current software version is less than or equal to than the new GUI software version, the software will print “GUI Software Upgrade in progress”. If the GUI current software version is greater than the new GUI software version, the



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software will print "Invalid version. GUI SW Upgrade bypassed" and skip the GUI upgrade process.

When the upgrade process is complete, the software will print "Remove USB Drive and reboot the system."

5. Remove the USB thumb drive from the system and reboot the reprocessor.
6. Verify that the alcohol flush is enabled for the configurable cycle.
7. Navigate to the system setup screen in the service screen and enter the values recorded in Step 1.
8. Press the DONE button.
9. On the Boot screen (black), confirm the GUI software version in bottom left corner. The GUI Software version should be 1138960301.
10. On the Splash screen (blue screen), confirm the software version. The software version should be 1135631002.

Ordering

Part Number/Description:

- 115961-09, Aeroflex USB Software Upgrade
- 116062-02, Aeroflex GUI software SD (*Only required if the GUI SW version is not current*)

When placing your order for items on a Field Action technical bulletin, please reference the bulletin number on your purchase order. Orders placed without referencing the Field Action technical bulletin number will be charged accordingly.

U.S. Based FSEs

- FSEs use standard ordering procedures.

Outside the U.S. FSEs, Biomed, and Affiliates

- Use standard ordering procedures and must reference the Technical Bulletin Number.
- 1-888-783-7723 Follow prompts for Product Technical Support.