

LCD Firmware Update Procedure, 850DS

1 Purpose

This document serves the purpose of providing instruction to Agilent personnel and its authorized service providers in the updating of the LCD firmware in the 850DS Dissolution Sampling Station.

2 Scope and Limitations

This cleaning procedure applies to the Agilent 850DS Dissolution Sampling Station. This procedure is intended for use by trained & qualified Agilent personnel or its authorized service providers.

3 Reason

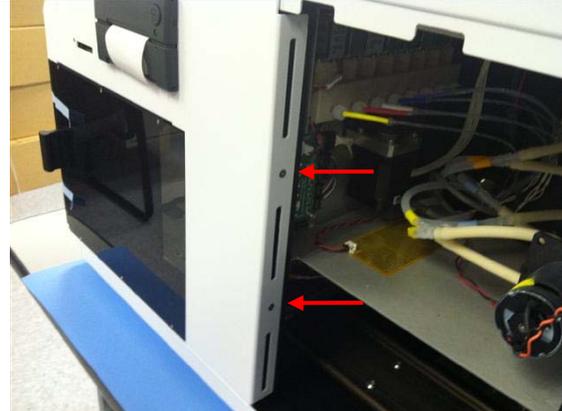
Prior to Q1FY19 the 850DS LCD firmware was updated through an SD card slot on front, right side panel. That SD card reader is no longer being built into the 850DS. In order to update the firmware on an 850DS now the SD card must be inserted into the reader slot mounted directly onto the LCD display assembly.



4 Detailed Procedure

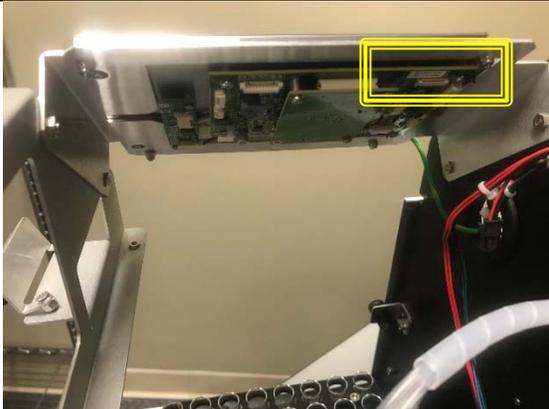
Step	Description	Photo
*	<p>If the 850-DS was built with an external SD card reader (as shown in image) skip steps 2 – 9 and use this external slot to upload the LCD firmware.</p>	
1	<p>Copy the files downloaded from the Support Portal in the LCD Firmware zip file shown to the right onto an SD card. NOTE: You must use a 2GB or smaller SD card formatted as FAT</p> <ul style="list-style-type: none"> • A MicroSD card with an SD adaptor may also be used • No additional files may be on the SD card 	<ul style="list-style-type: none"> • Config.ini • Flash2.ini • SLCD-850.BIN
2	Turn the 850DS off	
3	Remove the right, rear side panel	



<p>4</p>	<p>Remove right, front side panel</p>	
<p>5</p>	<p>Remove left side panel</p>	



<p>6</p>	<p>Remove top, rear cover</p>	
<p>7</p>	<p>Remove top, front cover</p>	

8	<p>The SD card reader is located on the backside of the display controller board</p>	
9	<p>Insert the SD card with the contact points facing the inside of the instrument as displayed here. You should feel a slight click as the card seats completely.</p>	
10	<p>Turn the 850DS on</p>	
11	<p>Wait approximately 3 minutes for the images to load. When complete, one of the Main Screen images will be shown on the display</p>	



12	Turn the 850DS off and remove SD card	
13	Wait 30 seconds and power the 850DS on and verify that the LCD firmware updated correctly.	
14	Replace all panels in reverse order that they were removed.	
15	LCD firmware update procedure complete	