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# Renishaw CMM Products Division PRODUCT BULLETIN – PBC1253

Product:	SPA2-2 & SPAlite	Status:	Open
Title:	SPA firmware upgrade	Date:	24 <sup>th</sup> October 2008

Originator:	Distribution:	
L Quick	Internal	$\checkmark$
	Subsidiaries	1
Reviewer:	OEMs	1
B Gow	Distributors	1
	Retrofitters	$\checkmark$

### Summary:

An occasional issue has been found with the over current protection circuit and its interaction with the emergency stop system on the SPA2-2 and SPAlite systems. This could result in the E-stop system jamming in an E-stop activated (safe) state, but rendering the system inoperable.

### NOTE: This does not affect SPA2 due to a different PCB design.

### **RENISHAW ACTIONS**

All subsidiary sales and RBE stocks must be updated with this new firmware. The version label must then be changed from V3 to V4 for SPA2-2 and V4 to V5 for SPAlite.

## **CUSTOMER ACTIONS**

Renishaw are recommending that the firmware on all SPA2-2 and SPAlite systems is updated using the method detailed below. If you try updating an SPA2 with this procedure it will fail (see point 4 in how to update system) as this update is not needed for the SPA2 system.

Before attempting this update please ensure that the UCC system is switched on as normal and connected to the PC (communication to the SAP2-2/SPAlite is through the UCC controller). Then follow the enclosed instructions for updating the firmware.

#### Instructions for updating firmware

1. Download the firmware update from the following ftp address. Please note that it you have not used the Renishaw ftp site previously you will have to register as a user by following the on screen instructions.

http://ftp.renishaw.com/suntxb77

2. You will be offered the option of either running this application directly or saving it to a location of your choice.

File Dowr	load - Security Warning	×
Do you	u want to run or save this file?	
	Name: SPA2FirmwareUpdater060000.exe Type: Application, 484 KB From: ftp.renishaw.com	
	Run Save Cancel	]
1	While files from the Internet can be useful, this file type can potentially harm your computer. If you do not trust the source, do no run or save this software. <u>What's the risk?</u>	ot

3. To update the firmware on your SPA2-2 or SPAlite click on connect.

📩 SPA firmware updater : v06.00.00	×
Connect	
Update firmware	

4. You will then be prompted for a valid machine ini file for the machine. Please select the one that you are using.



5. If your firmware does not need updating you will get the following message, this will appear if you already have the correct firmware or if you are trying to update an SPA2 system.

SPA2Firm	nwareUpdater060000
į	The firmware versions are correct, there is no need to update. Close the application now?
	<u>Yes</u> <u>N</u> o

6. If your firmware does need updating you will get the following message displaying the current version of firmware, click update firmware to proceed.



7. The following message will then appear, click OK for the update to begin.

SPA2FirmwareUpdater060000		
⚠	About to re-program SPA firmware, this may take a few minutes. Do not switch off the amplifier until the programming has completed.	
	OK Cancel	

8. The firmware version for each DSP will change to 06.00.00



10. A message will then appear to say that the update was successful. Please click Yes to close the application.

SPA2Firm	wareUpdater060000
(į)	SPA firmware update has completed successfully and SPA settings have been restored. Close the application now?
	Yes No

11. The update is now complete.