

Upgrade guide for Lexium Cobot Compact Controllers facing the power on issue

Issue identified on Lexium Cobot Compact Controllers

The Lexium Cobot Compact Controller does not power on successfully. The status indicator of the power button (S20) and the status indicator on the Control Stick (if applied to the controller) is yellow and does not turn to blue after several minutes. In this state it is not possible to connect to the controller using EcoStruxure Cobot Expert.

Affected Lexium Cobot Compact Controllers

- LXMRL00C2000 – 8A24224JKA00001 ... 36
- LXMRL00C2000 – 8A24242JKA00001 ... 20
- LXMRL00C2000 – 8A24391JKA00001 ... 22
- LXMRL00C2000 – 8A24471JKA00001 ... 16

Lexium Cobot Compact Controller powered on successfully

When the status indicator of the power button (S20) and the status indicator on the Control Stick (if applied to the controller) is blue after powering on, the Lexium Cobot Compact Controller is successfully powered on.

➔ Go on with chapter **Upgrade process**

Lexium Cobot Compact Controller did not power on successfully

When the status indicator of the power button (S20) and the status indicator on the Control Stick (if applied to the controller) is yellow and does not turn to blue after several minutes after powering on, the Lexium Cobot Compact Controller is not successfully powered on.

Action: Power off the Lexium Cobot Compact Controller and power on again.

In case after several power cycles the Lexium Cobot Compact Controller is not powered on successfully the following steps need to be performed:

Step	Action
1	Ensure that the status indicator of the power button (S20) and the status indicator on the Control Stick (if applied to the controller) is yellow after powering on and does not turn to blue after several minutes.
2	Connect a monitor to HDMI port (CN24)
3	Connect a keyboard to USB port (CN22)

4	Ensure that the Lexium Cobot Compact Controller is in emergency mode due to a timeout while waiting for a device. <pre>[TIME] Timed out waiting for device dev-disk-by\...</pre> <pre>You are in emergency mode. After logging in, type "journalctl -xb" to view system logs, "systemctl reboot" to reboot, "systemctl default" or ^D to try again to boot into default mode. Give root password for maintenance (or press Control-D to continue): _</pre>
5	Press CTRL + D to continue.
6	Wait for the status indicator of the power button (S20) and the status indicator on the Control Stick (if applied to the controller) is blue. Result: The Lexium Cobot Compact Controller is powered on.

➔ Go on with chapter **Upgrade process**

Upgrade process

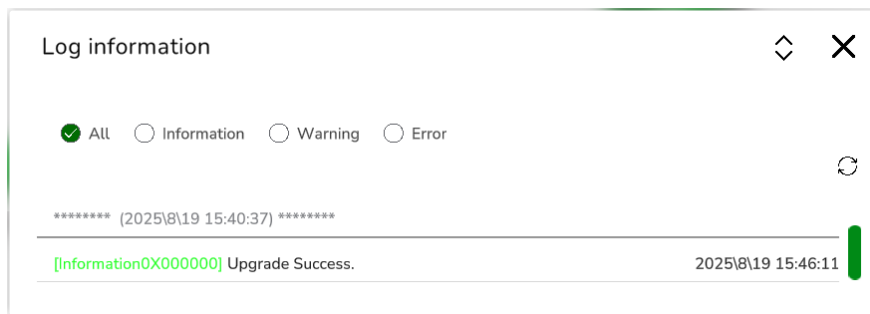
Step	Action
1	Download the upgrade package SE_HDCTRL_FIX_LXMRL00C2000_202508 from the Lexium Cobot page on the Schneider Electric website .
2	Connect the Lexium Cobot .
3	Ensure that the Lexium Cobot Arm is disabled and powered off.
4	In Settings > System Setting > Version Upgrade , click the Select Upgrade File box.
5	Select the upgrade package and click Confirm. Result: The upgrade package is selected. Version Upgrade Select Upgrade File: SE_HDCTRL_FIX_LXMRL00C2000_202508.tar.gz ... Please disable and power off the robot Select Verification File: ... Start Upgrade NOTE: The original file name must remain unchanged.
6	Click the Select verification File box.

7	Select the signature file of the upgrade package and click Confirm. Result: The signature file of upgrade package is selected. Version Upgrade Select Upgrade File: SE_HDCTRL_FIX_LXMRL00C2000_202508.tar.gz ... Please disable and power off the robot Select Verification File: SE_HDCTRL_FIX_LXMRL00C2000_202508.tar.gz.sig.. Start Upgrade NOTE: The original file name must remain unchanged.
8	Click Start Upgrade. Result: The upgrade package is being uploaded and processed.
9	Wait until the Lexium Cobot Controller is automatically power cycled two times. NOTE: It is possible that the controller will not power on successfully on the first power cycle. The status indicator of the power button (S20) and the status indicator on the Control Stick (if applied to the controller) is yellow and does not turn to blue after several minutes. ➔ Connect a monitor and keyboard, verify the situation and press CTRL + D to continue as described in chapter Lexium Cobot Compact Controller did not power on successfully.
10	Wait until the second power cycle is completed and then connect the Lexium Cobot in EcoStruxure Cobot Expert. When the status indicator of the power button (S20) and the status indicator on the Control Stick (if applied to the controller) is blue, the Lexium Cobot Compact Controller is successfully powered on. Result: The upgrade package is processed.
11	Verify the result of the upgrade process.
12	Go to Home Screen > Top Menu > Log. Result: The Log information is displayed.

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Verify the Log information.

In case the upgrade package is successfully applied the message “Upgrade Success” is shown in the Log information.



In case it was not necessary to apply the upgrade package, because the Lexium Cobot Compact Controller is not affected by this issue, the message “Upgrade failed, Current Model is: ...” is shown in the Log information instead.