
Firmware update for PROFINET

Requirements

- PC with network interface
- Web browser (i.e. <http://www.mozilla.org>)

Steps to Update

1. Restore manufacturer settings by setting address switch to 979 and power cycle the module. Wait 10 s (during the restart-process, the BF/MS blinks in red three times / Step 1. Is only needed for modules that was connected to CLP)
2. Set the IP-Address of the PC – network interface (i.e.192.168.001.050, different to the IO module)
3. Set IP-Address with a configuration tool (i.e. Hilscher configuration tool) over DCP to 192.168.001.001 and power cycle the module.
4. In the browser open the webpage <http://192.168.1.1>
5. Choose the *Config* register at the web page
6. Select and click the “Firmware Update” button

The screenshot shows the Lumberg Automation web interface. At the top, there is a logo for 'lumbergautomation' with the tagline 'A BELDEN BRAND'. Below the logo is a navigation bar with tabs for 'Status', 'Config', 'System', 'DCU', and 'Contact'. The 'Config' tab is selected. The main content area is titled 'Config' and contains the following information:

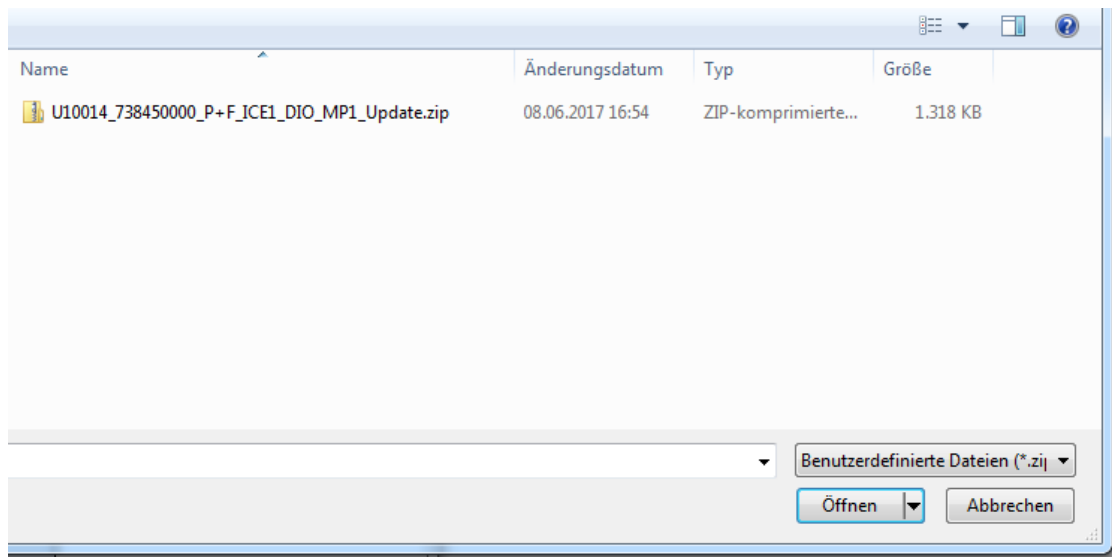
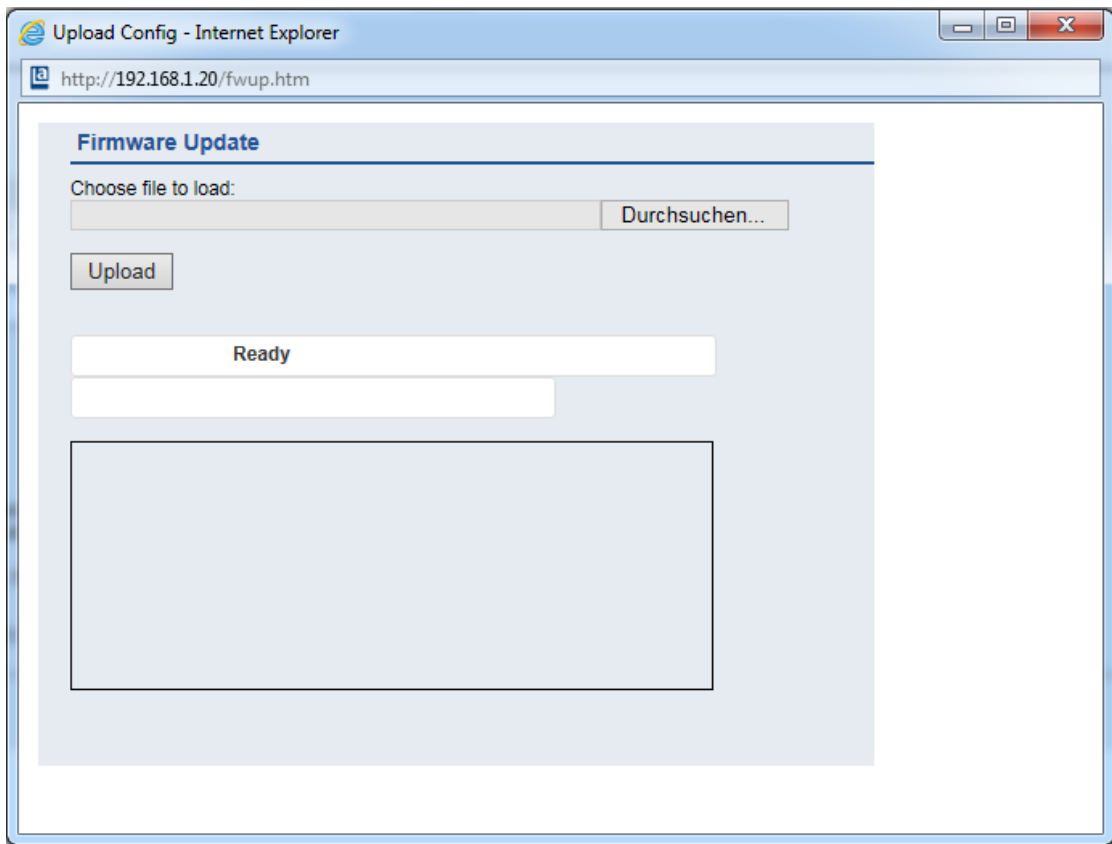
The rotary switch is set to 329 (dec).

IP Settings

Parameter	Settings
IP-Address	192 . 168 . 1 . 20
Subnet Mask	255 . 255 . 255 . 0
Gateway	0 . 0 . 0 . 0

Below the IP settings table is a 'Submit' button. Underneath, there is a 'Result:' section. Further down, there is a section titled 'Restore Factory Settings' with a warning: 'Restoring factory settings affect all network parameters including fieldbus specific settings. Applying the factory settings will cause all network connection to be closed!' and a note: 'Note: If the module has rotary switches, the new IP address depends on their settings.' Below this is a checkbox labeled 'Please confirm to restore the factory settings and reset the device.' with an 'Apply' button next to it. At the bottom of the page, there is a 'Firmware Update' button.

7. Choose the new ZIP-file at your local PC-path to load, click “Durchsuchen”, marking and double-click the ZIP-file and press the “Upload” button.



8. The transfer will take round about 30 s (The progress is displayed).
9. Update finished. Please restart the device, click the “OK” button.
10. Power cycle the module.

11. Now the module is updated with the new firmware-file.

12. To check the result, go to the system page <http://192.168.1.1>.

13. Choose the *System* register, make sure that the version numbers and dates match the new version.

The screenshot shows the 'Lumberg Automation' web interface, a Belden brand product. The page title is 'LioN-P Webservice'. The navigation menu includes 'Home', 'Config', 'Status', 'System', 'DCU', and 'Contact'. The 'System' page is active, displaying two main sections: 'Connection Status' and 'General Information'.

Connection Status

Network	Status
Port 0	No Link
Port 1	No Link
Phy MAC Address	3C:B9:A6:00:63:10
IP Address	192.168.1.5
Subnetmask	0.0.0.0
Gateway	0.0.0.0
Ethernet/IP State	Wait for Connection

General Information

System	Value
Time Since Startup	259346 s
System Message	OK
Restarts of IO-System	0

Firmware

Parameter	Value
Name	Belden - EtherNet/IP
Version	V2.1.0.8-1.9 (U10014)
Date	7.6.2017

Device

Parameter	Value
Name	0980 ESL 393-121-DCU1 8DI8DO MP
Ordering Number	934879005
Hardware	V9.0
Serial Number	00158
Production Date	46 / 2016

User Management

Username	Permissions	Edit	Del
admin	Admin		

Create User

Login: Permission: **Write**

14. Restore manufacturer settings by setting address switch to 979 again and power cycle the module. Wait 10 s (during the restart-process, the BF/MS blinks in red three times)

15. Set Address switch to 000.

16. The update is finished and the default manufacturer settings are restored.