

## Software Change Log

BF4

BF8

BH4

BH7

BP4

BF16

BF24

BF32

MH42

MP42

MX10

MX25



# Software Change Log



Valid for the following models:

BF4, BF8, BH4, BH7, BP4, BF16, BF24, BF32, MH42, MP42, MX10, MX25

Log:			
Display software version	Changes	Bootloader version	Software Manual Date
2.1.0	<p>Release with the following highlights:</p> <ul style="list-style-type: none"> <li>Mix Station added</li> <li>Readings menu added</li> <li>Initial support for Navigator</li> <li>Added new firmware upgrade handling with packet update</li> <li>Improved security of stored credentials</li> <li>Numerous enhancements implemented and bugs resolved</li> </ul>	2.0.0	110009737B SOFTWARE MANUAL MH/BH/MP/BP/BF/MA/SA/MX
2.0.0	<p>Release with the following highlights:</p> <ul style="list-style-type: none"> <li>Full Multi Booster handling added with support of up to 4 pumps</li> <li>Wash program upload and download via Wifi</li> <li>Wash program upload and download via Azure Cloud blob storage</li> <li>Added Navigator mode(main and standby menu's supported)</li> <li>Navigator full Machine settings updates possible</li> <li>Fixed credentials handling MultiBooster(store in all inverters)</li> <li>GUI navigation improved</li> <li>In Foamatic it is now possible to leave an area valve open through multiple washsteps</li> <li>Foamatic program timer paused, when opening multiple areas</li> <li>Only areas in active washstep closed at pause. New Foamatic simulation page</li> <li>Hugely improved Azure connection handling</li> <li>Bootloader updated to 1.2.0(Changed QR code to refer to NF Software update html page for Hybrid7)</li> <li>Many bugs resolved</li> </ul>	1.2.0	
1.1.3	<p>Special update to release version v1.1.2, where credentials stored in the Inverter was lost after power down</p> <p>Fixed store of credentials, Mac adr, Machine Serial and Cloud pin code in Inverter</p> <p>Fixed a wash programming naming problem of Wash-ProductNames and WashAreaValveNames where save wash program could fail if those names is not 0 terminated inside correct bounds</p> <p>Special files for production of reserve Display's are included: CONF.bin WASH.bin</p> <p>Other files is the same as last release!</p>		
1.1.2	<p>Changes since last release:</p> <ul style="list-style-type: none"> <li>Updated SignBinFile.py to always use BlocType = 10 for both 10 &amp; 11 block types,</li> <li>resultSize set to 0 in ReadUsbFile</li> <li>Inverter reset popup changed to green</li> <li>Init of users instead of defaultall(fixes the problem from upgrading the sw from 1.0.6 to v1.1.1 or v1.1.0 deletes the current wash program.)</li> <li>info popup's changed from red to light green, text for</li> <li>display/controller changed to display module</li> </ul>		

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1.1.1	<p>Changes since last release:</p> <ul style="list-style-type: none"> <li>• Versions for Bootloader and App set to v1.1.1</li> <li>• RUN_HOURS_BEFORE_SET_INSTALL_TIME set 4 hours instead of 2 because it is too short and it could be set at production time</li> <li>• Fixed a bug in ReadUsbOrMemoryConfigFile, the buffer for ConfigFileJsonBufferGlobal could be too small for the file loaded. Now set 20 times bigger and a check is added so a too big file can't be loaded</li> <li>• Activebutton in machinetype menu improved</li> <li>• all custom buttons changed to no retarget, for better stability</li> <li>• Correction of Error/Warning texts</li> <li>• Updated Bootloader to handle Gzipped file in High Flash mem, and if STM32 version same as current internal header in Flash is updated to handle programming in production problems</li> <li>• Analog input menu removed from Foamatic, limit for performance data temperature (200°C)</li> </ul>		
1.1.0	At lot of bugs resolved		
1.0.6	<p>This release includes three minor updates building on the latest software from release candidate v1.0.6. It has been developed as a branch release since work on the next major version, featuring many new features, is already underway.</p> <ul style="list-style-type: none"> <li>• TLS certificate root for Azure is updated to a new certificate: DigiCert Global Root G2</li> <li>• Firmware upgrade of display app via Azure Blob Cloud is updated to use a new file type with gzip compressed app code.</li> <li>• GUI fixed bug for input function start program solved, reset state inverted</li> </ul> <p>The first update is necessary because MS has migrated IoT Hub resources to a new TLS certificate root. Without this update it is impossible to connect to IoT Hub.</p> <p>The second update is necessary because MS Blob server shuts down the connection before the complete file is received. By compressing the app.bin file with gzip the file is down to 1.8Mb from 4.2Mb instead. The new file is called appz.bin, and should be used instead of app.bin with Firmware upgrade from the Azure Blob Cloud</p>		
1.0.5	<p>GUI changes:</p> <p>Flow detect error in pause mode fixed</p>		
1.0.4	<p>GUI changes:</p> <ul style="list-style-type: none"> <li>• Error for detection of no flow in washprograms when flow is expected</li> </ul> <p>System and Middleware changes:</p> <ul style="list-style-type: none"> <li>• Fixed missing default of User Settings when there is a change in the user settings</li> <li>• Added new Eeprom vaules: FlowDetectDelay &amp; Flowdetectactive. For these new values all functionality for default setting, update from and to GUI and Config Json handling is handled</li> </ul>		
1.0.3	<p>GUI changes:</p> <ul style="list-style-type: none"> <li>• Scroll indication issue in running wash program screen, when leaving and entering screen again, fixed</li> </ul>		

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1.0.2	<p>GUI changes:</p> <ul style="list-style-type: none"> <li>• Screensaver improved</li> <li>• popup Dialog button pressed color changed to Orange, for better visibility</li> <li>• Running output at relay for MAX and MAXM</li> <li>• Button for toggle all water valves in production</li> <li>• Changes for support of MA without IO Module</li> </ul> <p>System and Middleware changes:</p> <ul style="list-style-type: none"> <li>• Booster type from Display overrules Inverter and Parameter update when booster type is written to Inverter when not in sync with Display</li> <li>• Added scripts for automatic update of Display sw and USB Flash drive</li> <li>• Updated Bootloader config file flash burn handling</li> <li>• Added missing prototypes for new NativeCalls</li> <li>• Added Internal DAC handling with Max Dac scale: NativeCall_InternalDACScale &amp; NativeCall_SetPressureToInternalDac</li> <li>• Added safety checks to Dac handling in App</li> <li>• Added functionality for getting CONF.JSO from High Flash to USB Flash drive and to Flash Adr: 0x60300000 for further handling in APP</li> <li>• Enabled I2C A/D converter</li> <li>• Updated Firmware scripts to Hybrid7 prj</li> </ul>		
1.0.1	<p>S/N number shown in INFO menu</p> <p>Toggle manual valve for adjust of flowswitch</p> <p>Fixed wrong type(uint8) for WashStepTime, which results in a Max Wash Step time of 255 seconds, changed to uint16</p> <p>WCONF.JSO deleted after use</p> <p>Counters and ErrorLog are deleted at startup if MAC adr = production MAC adr</p> <p>Added Websocket test commands for IO</p> <p>Module test</p>		
1.0.0	Initial version		