

# PHC interface

## Status and error codes

### Status codes

Status codes are updated via the event:

OnStatus( int PrinterId, int StatusCode, string Message, object Data)

- PrinterId: The id of the printer that send the status update.
- StatusCode: See below table for more information.
- Message: A readable string message about the status update.
- Data: Any data that comes with the status. See below for data types.

Code	Description
100	Encoder running Updated when the PHC detects the encoder has stopped or started. Data type: int, values: 0 or 1
200	Print enabled Updated when the PHC detects that printing is possible or not possible. Data type: int, values: 0 or 1
300	Nurse enabled Updated when the PHC detects that nursing on/off setting changes. Data type: int, values: 0 or 1
20000	Image data send successfully Updated when the PHC successfully receives a chunk of image data. Data type: int, values: 0 or 1
20001	Complete image send successfully Updated when the PHC successfully has received a complete image. Data type: int, values: 0 or 1
25000	Printer disconnected (requested) Updated when a PHC successfully disconnects from the JPMS as part of a user request. Data type: null
25001	Printer connected Updated when a PHC successfully connects to the JPMS as part of a user request. Data type: null

## Error codes

Status codes are updated via the event:

OnError( int PrinterId, int ErrorCode, bool IsSet, string Message, object Data)

PrinterId: The id of the printer that send the status update.  
 ErrorCode: See below table for more information.  
 IsSet: True the error is on, false the error is off.  
 Message: A readable string message about the status update.  
 Data: Any data that comes with the status. See below for data types.

Code	Description
100	3.3V Error on the internal power supply on the 3.3V side. Data type: double, values: the measured value that was outside range Severity: critical
101	5V Error on the internal power supply on the 5V side. Data type: double, values: the measured value that was outside range Severity: critical
102	12V Error on the internal power supply on the 12V side. Data type: double, values: the measured value that was outside range Severity: critical
103	24V Error on the internal power supply on the 24V side. Data type: double, values: the measured value that was outside range Severity: critical
200	CPU temperature reading Error reading the internal CPU temperature. Data type: null Severity: non critical, service needed
201	Power board temperature reading Error reading the internal Power board temperature. Data type: null Severity: non critical, service needed
202	CPU temperature Error the internal CPU temperature is outside acceptable limits. Data type: null Severity: critical
203	Power board temperature Error the internal power board temperature is outside acceptable limits. Data type: null Severity: critical

<b>Code</b>	<b>Description</b>
204	FPGA programming Error programming the FPGA. Data type: null Severity: critical
205	TCP switch initialization Error initializing the internal two port tcp switch. Data type: null Severity: critical
206	MAC address reading Error reading the MAC address for the Ethernet interface. Data type: null Severity: critical
207	IP address reading Error reading the IP address setting. Data type: null Severity: non critical, service needed
208	Array A temperature reading Error the temperature is outside acceptable limits. Data type: null Severity: critical
209	Array B temperature reading Error the temperature is outside acceptable limits. Data type: null Severity: critical
210	Frame A temperature reading Error the temperature is outside acceptable limits. Data type: null Severity: critical
211	Frame B temperature reading Error the temperature is outside acceptable limits. Data type: null Severity: critical
212	Tank temperature reading Error the temperature is outside acceptable limits. Data type: null Severity: critical
213	ADC initialization Error initializing the AD converter for reading temperatures. Data type: null Severity: critical

Code	Description
10000	<p>Sensor detected but printing is not possible due to reasons</p> <p>Data type: int            Binary mask            0x01: no image            0x02: hardware error            0x04: encoder stopped</p> <p>Severity: none</p>
10010	<p>Multiphase synchronization</p> <p>Error detected in the multi-phase synchronization, re-synchronize asap.</p> <p>Data type: null</p> <p>Severity: critical</p>
20000	<p>Error sending image data, JPMS did not get any response</p> <p>Error when sending an image chunk.</p> <p>Data type: null</p> <p>Severity: non critical, observe error frequency</p>
25000	<p>Printer disconnected (unexpected)</p> <p>A PHC has disconnected unexpected.</p> <p>Data type: null</p> <p>Severity: critical, observe error frequency</p>