



RELEASE NOTES AND DOWNLOAD FIRMWARE

OPAL ASSOCIATES HOLDING AG

RELEASE DATE	24.01.2020
VERSION	2.2

1. TABLE OF CONTENT

1. TABLE OF CONTENT 2

2. RELEASE BY FIRMWARE VERSION 3

2.1 FIRMWARE URNB1..... 3

2.2 FIRMWARE URNB..... 3

2.3 FIRMWARE URN 3

2.4 FIRMWARE URM..... 3

2.5 FIRMWARE URC 4

3. DOWNLOAD FIRMWARE 5

3.1 VIA ETHERNET INTERFACE 5

3.1.1 Required for the FW update: 5

3.1.2 Instructions:..... 5

3.2 VIA PARALLEL INTERFACE 10

3.2.1 Required for the FW update: 10

3.2.2 Instructions:..... 10

3.3 VIA RS232 INTERFACE 14

3.3.1 Required for the FW update: 14

3.3.2 Instructions:..... 14

3.4 VIA USB INTERFACE 18

3.4.1 Required for the FW update: 18

3.4.2 Instructions:..... 18

4. AUTOMATIC CALIBRATION 21

2. RELEASE BY FIRMWARE VERSION

2.1 FIRMWARE URNB1

Version	Date	Model	Description
URNb1 NL*	27.08.2020	OD5+/OD5+ 300 from serial number 200000000	Solved: Label Taken Sensor can't be activated. Solved

2.2 FIRMWARE URNB

Version	Date	Model	Description
URNb NL*	13.04.2020	OD5+/OD5+ 300 from serial number 200000000	Solved: Printer Website revised. English language is selected under Alert message is a page fault and changed the text "Durchsuchen" to "Browse". Select german language; changed the text "Bitte Knopf auswählen" to "Bitte Schaltfläche auswählen" and "Fehlermeldungs Auswahl" to "Fehlermeldung Auswahl". Select french language changed the text "Durchsuchen" to "Feuilleter". Dump mode information remains in the printer and don't print out. SNMP enabled/disabled ^NL,ENABLE,n n= 0: SNMP - enabled n= 1: SNMP – disabled US command doesn't work via LAN

2.3 FIRMWARE URN

Version	Date	Model	Description
URN NL*	25.01.2020	OD5+/OD5+ 300 from serial number 200000000	Solved: Sporadic Ribbon Error Cutter don't cut in Dump mode

2.4 FIRMWARE URM

Version	Date	Model	Description
URM NL*	16.12.2019	OD5+/OD5+ 300 from serial number 200000000	Solved: Cutter can't be activated. Default Setup Dispenser enabled; Code 128 C when the counter is activated, prints out letters; DUMP Mode Missing character; Default IP Adresse when DHCP missing: IP:192.168.1.2; Subnet Mask: 255.255.255.0 Gateway:192.168.1.254; DNS Server: 192.168.1.20; Code 128 A prints out to long; Placeholders printed out.

2.5 FIRMWARE URC

Version	Date	Model	Description
URC	01.09.2019	OD5+/OD5+ 300 from serial number 200000000	First FW

* NL = Not LAN (Network setting will not be reset) only the Printer Settings.

3. DOWNLOAD FIRMWARE

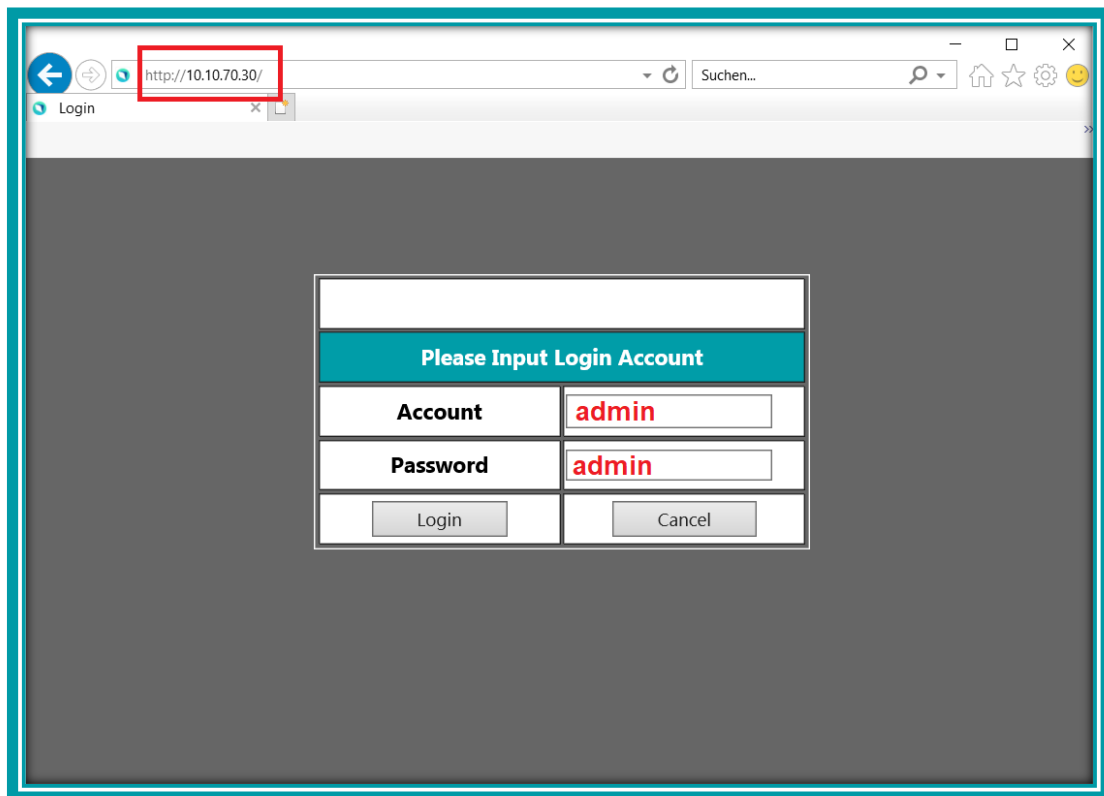
3.1 VIA ETHERNET INTERFACE

3.1.1 REQUIRED FOR THE FW UPDATE:

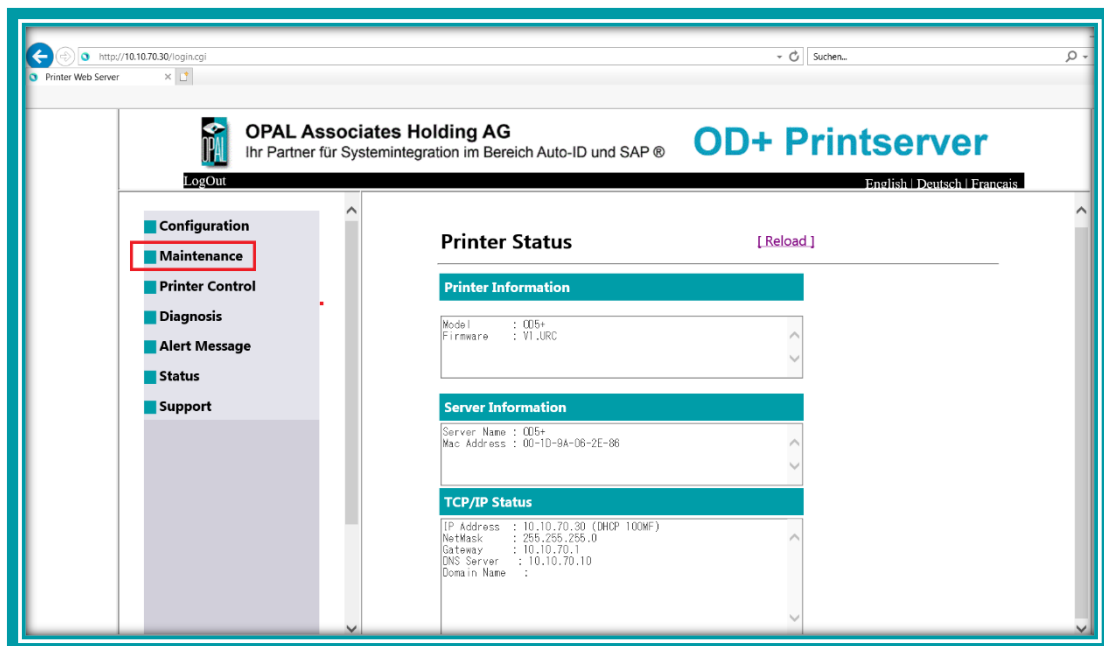
OPAL OD5+ or OD5+300 from SN# 200000000.
Firmware URx.
Network cable.

3.1.2 INSTRUCTIONS:

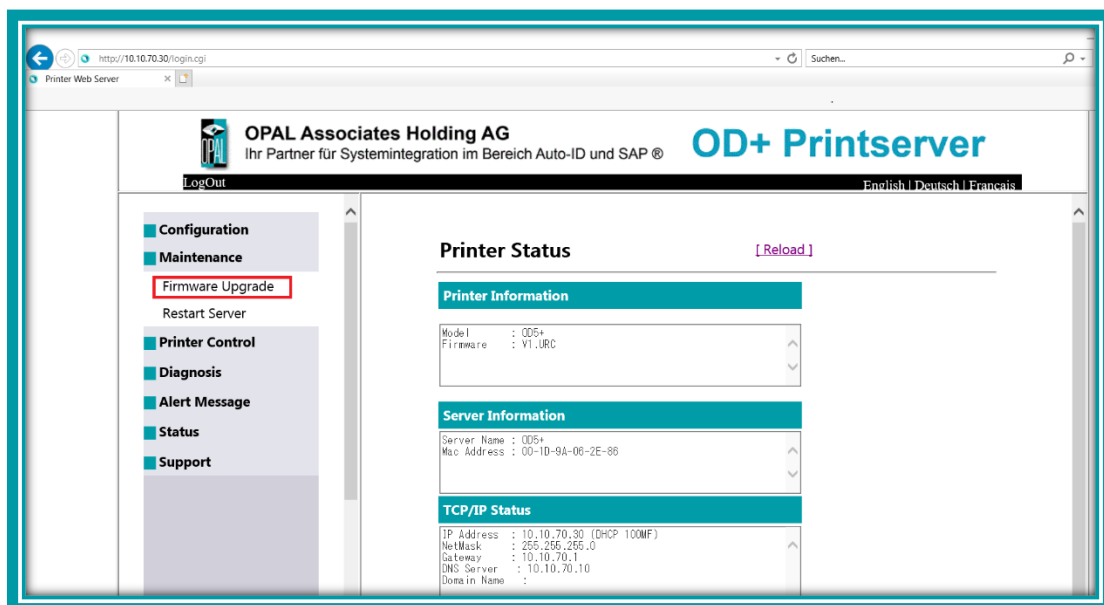
- 1) Unzip the zip file on the computer.
- 2) Connect the printer with network cable.
- 3) Connect the printer with power supply and turn on.
- 4) Enter the IP address in the address bar of Internet Explorer and login with admin.



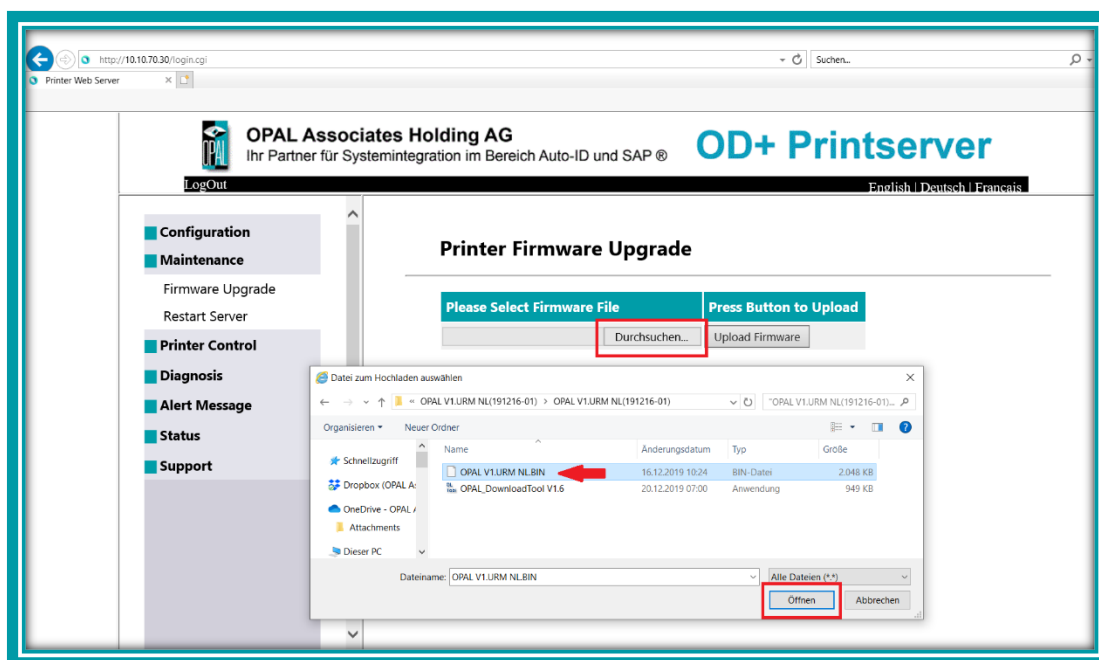
5) Select Maintenance.



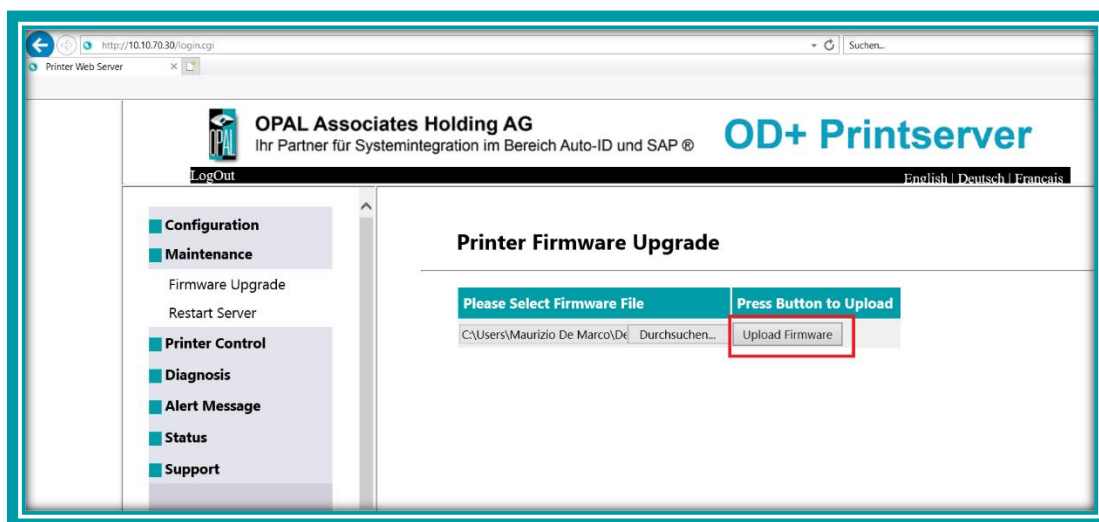
6) Select Firmware Upgrade.



7) Select Durchsuchen button → select the FW URx → select Öffnen button.



8) Select Upload Firmware.



9) Do not switch off the printer during the FW update !!

10) Printer beeps and the FW is loaded into the printer.

READY LED lights up green continuously and the STATUS LED flashes orange

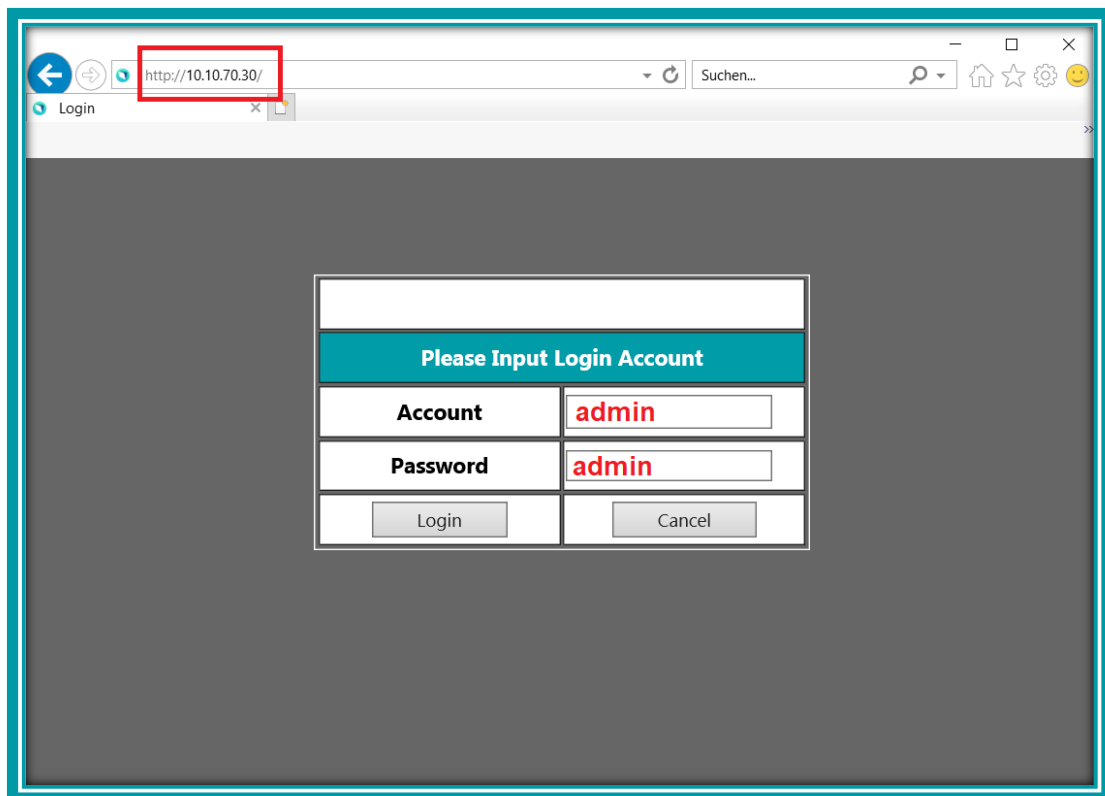
11) After the FW is loaded into the printer, the FW update starts.

READY LED lights up green continuously and the STATUS LED flashes red.

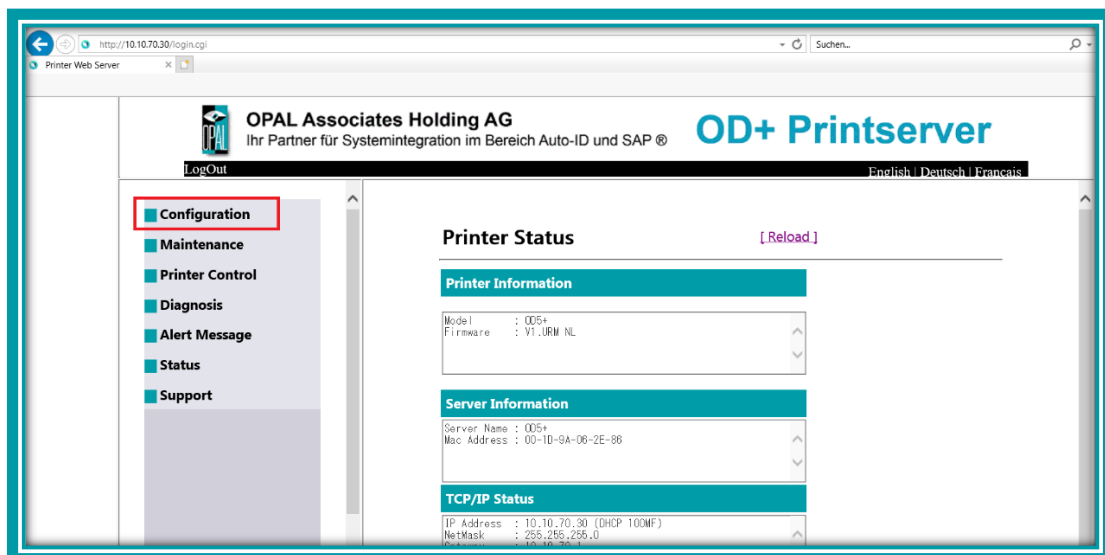
The interval from the STATUS LED becomes faster to the end.

Printer reboots.

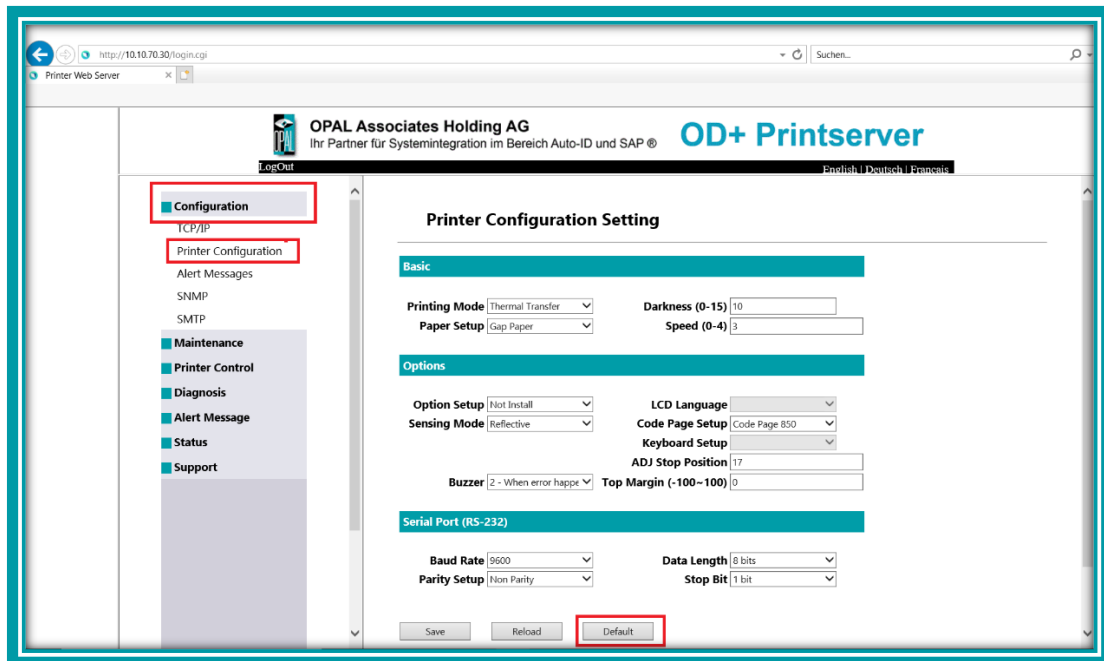
12) Enter the IP address in the address bar of Internet Explorer and login with admin



13) Select Configuration.



14) Select Printer Configuration → select Default button.



15) Printer reboots.

16) Finish.

17) After the Firmware update is it necessary to make Automatic calibration see section 4.

3.2 VIA PARALLEL INTERFACE

3.2.1 REQUIRED FOR THE FW UPDATE:

OPAL OD5+ or OD5+300 from SN# 200000000.

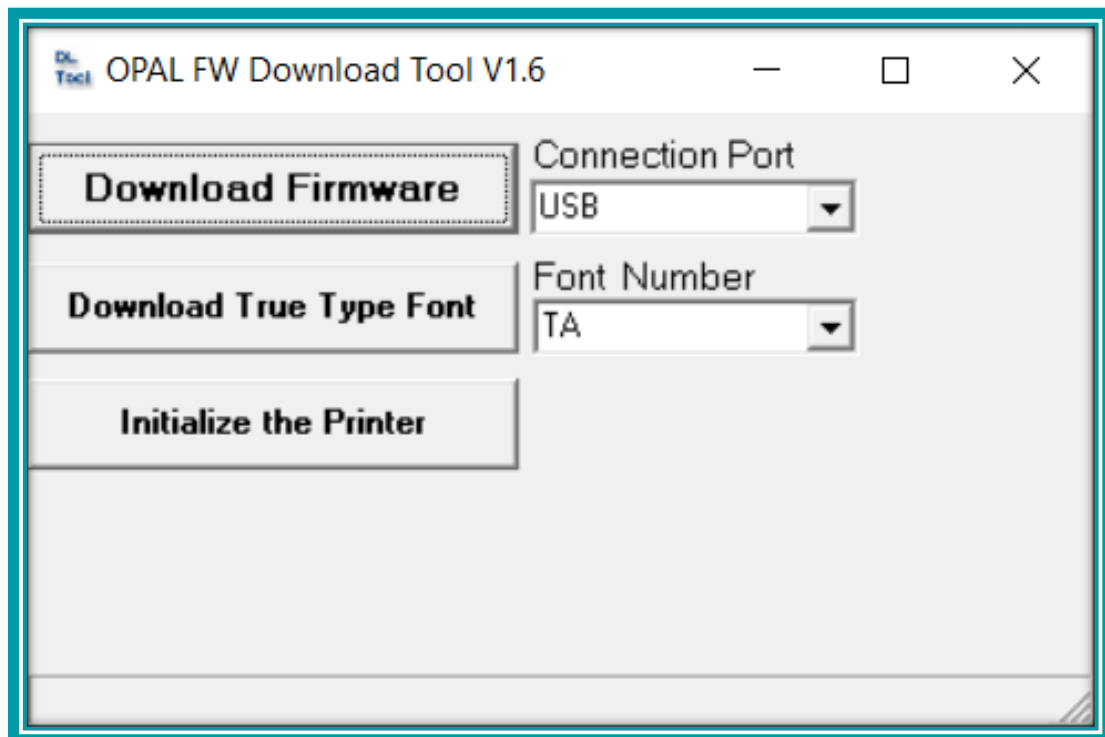
OPAL FW Download Tool Version 1.6.

Firmware URx.

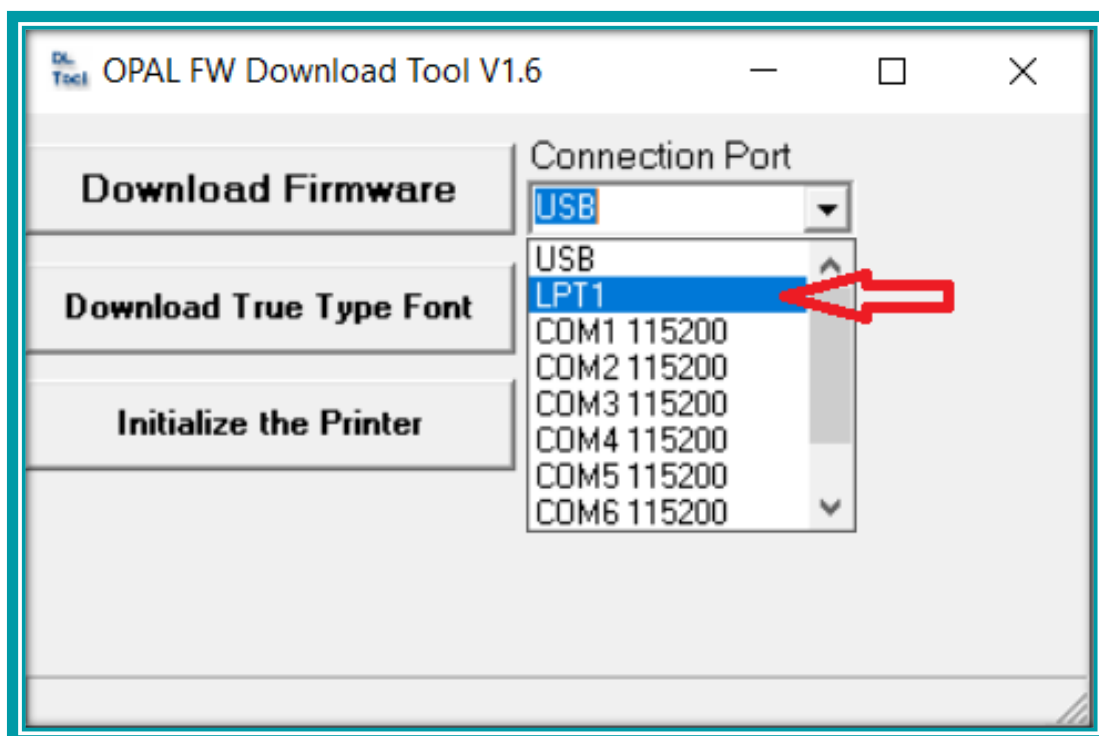
Mini parallel cable is in the Box.

3.2.2 INSTRUCTIONS:

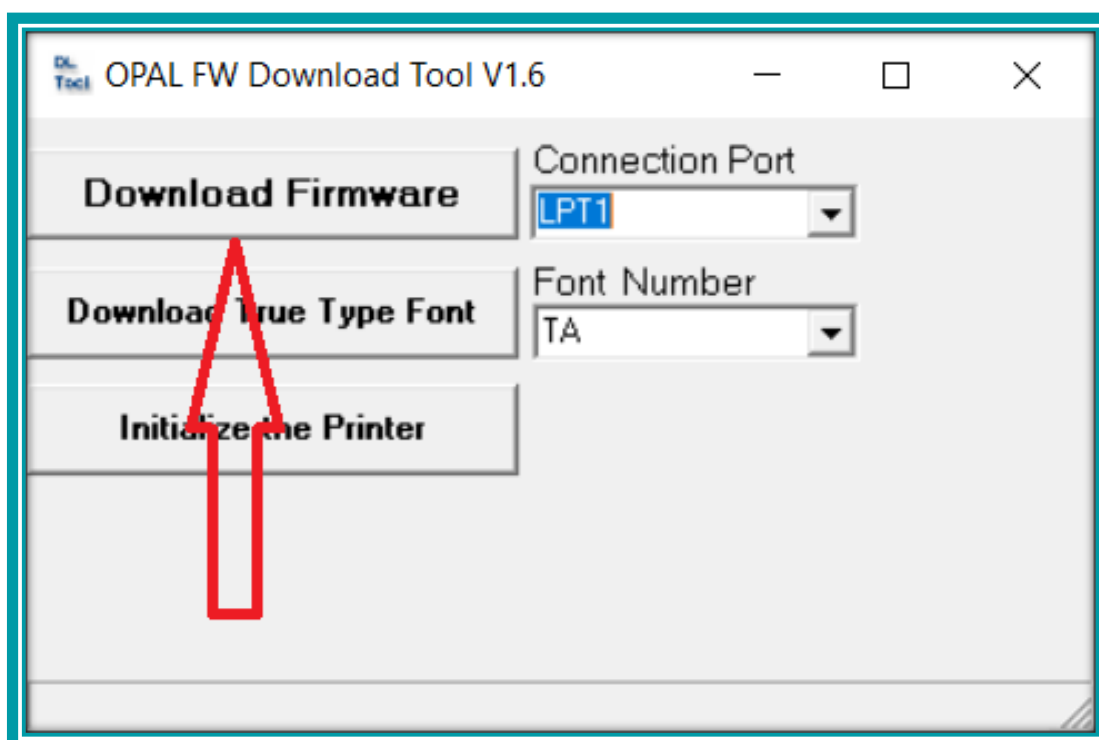
- 1) Unzip the zip file on the computer.
- 2) Connect the printer with Mini parallel cable.
- 3) Connect the printer with power supply and turn it on.
- 4) Start OPAL FW Download Tool Version 1.6.



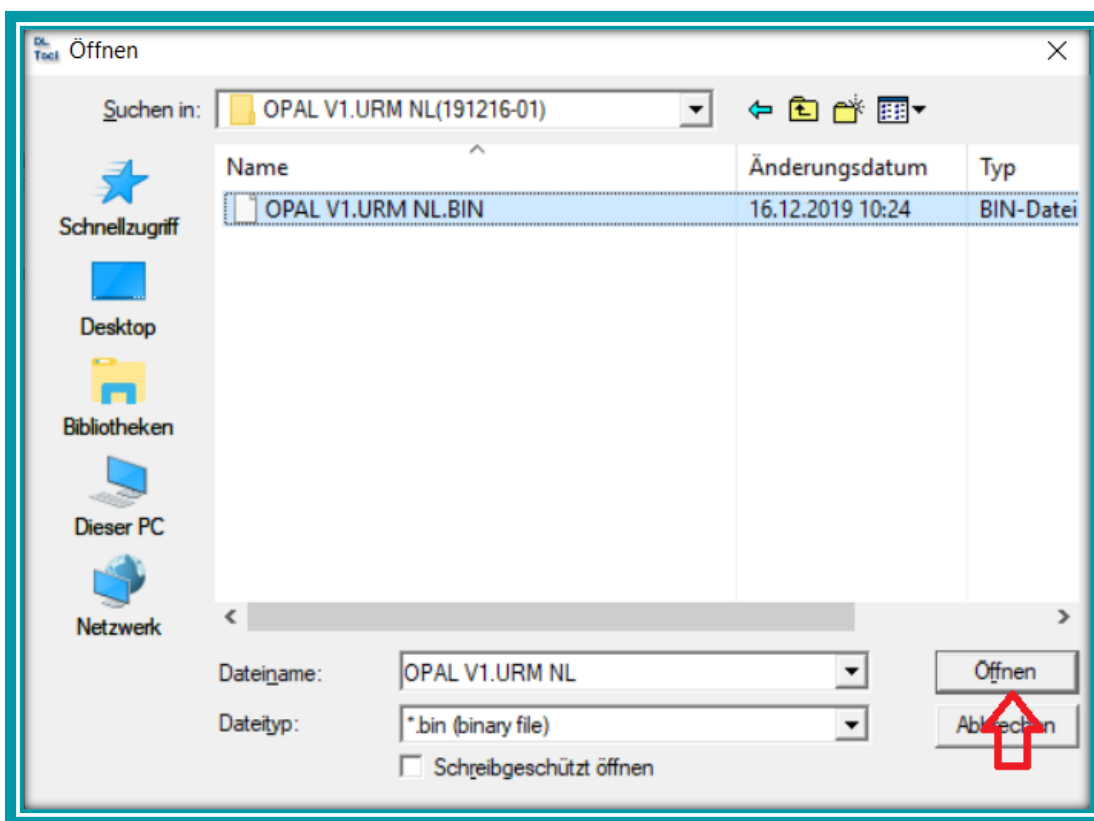
5) Select LPT Port.



6) Select Download Firmware.



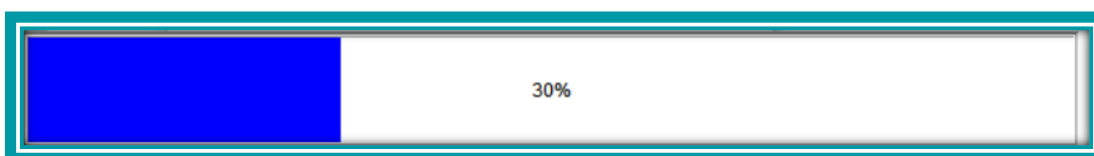
7) Select the FW URx → select Öffnen button.



7) Do not switch off the printer or software during FW update !!

8) Printer beeps and the FW is loaded into the printer.

READY LED lights up green continuously and the STATUS LED flashes orange.

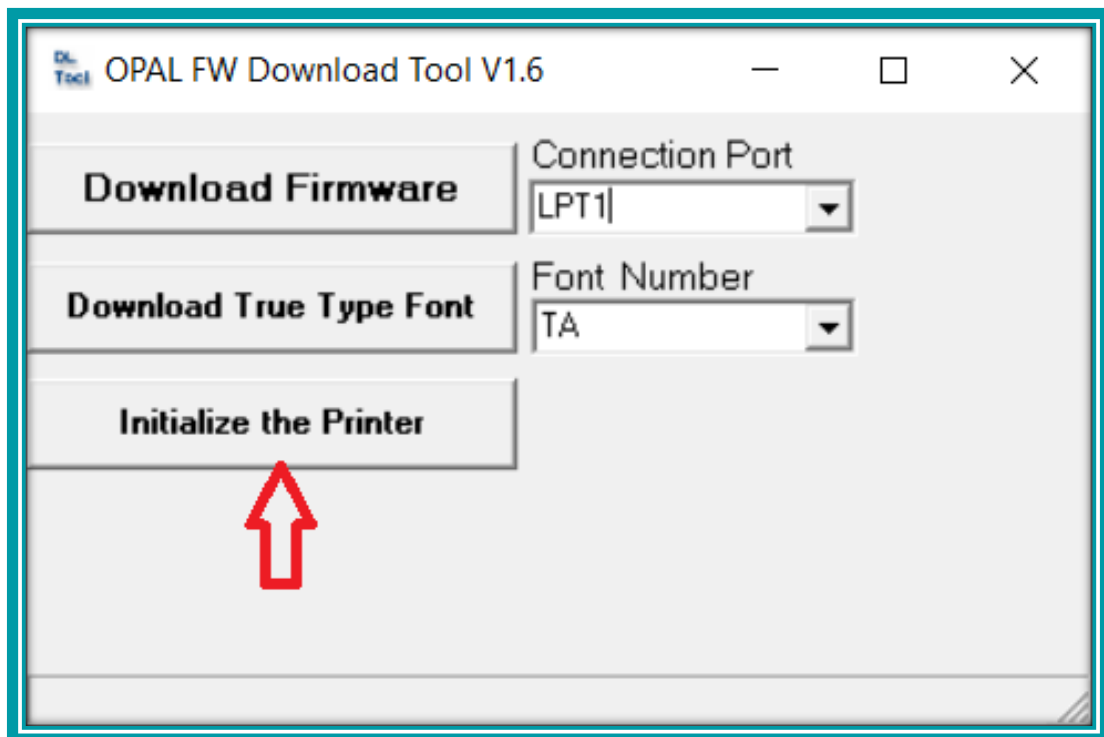


9) READY LED lights up green continuously and the STATUS LED flashes red.

The interval from the status LED becomes faster towards the end.

Printer reboots.

10) Select Initialize the Printer → Printer reboots.



11) Finish.

12) After the Firmware update is it necessary to make Automatic calibration see section 4.

3.3 VIA RS232 INTERFACE

3.3.1 REQUIRED FOR THE FW UPDATE:

OPAL OD5+ or OD5+300 from SN# 200000000.

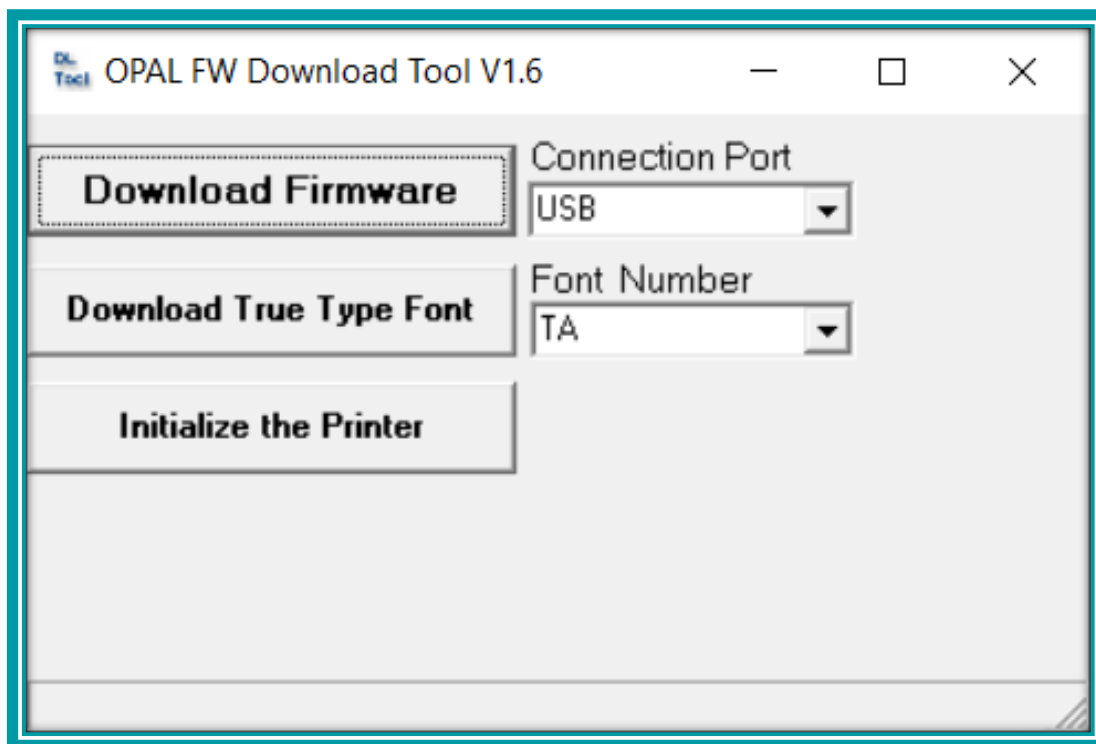
OPAL FW Download Tool Version 1.6.

Firmware URx.

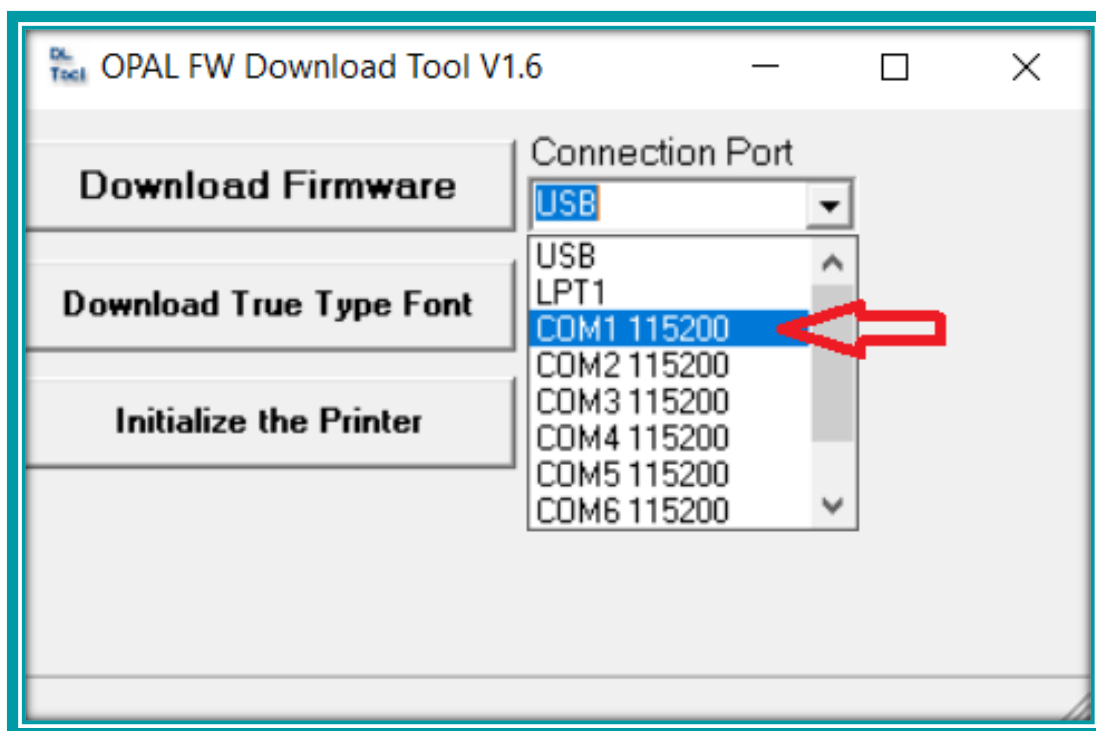
RS232 9 pin cable (PIN 3 (TXT host) to PIN 3 (RXD Printer) and PIN 2 (RXD host) to PIN 2 (TXT Printer).

3.3.2 INSTRUCTIONS:

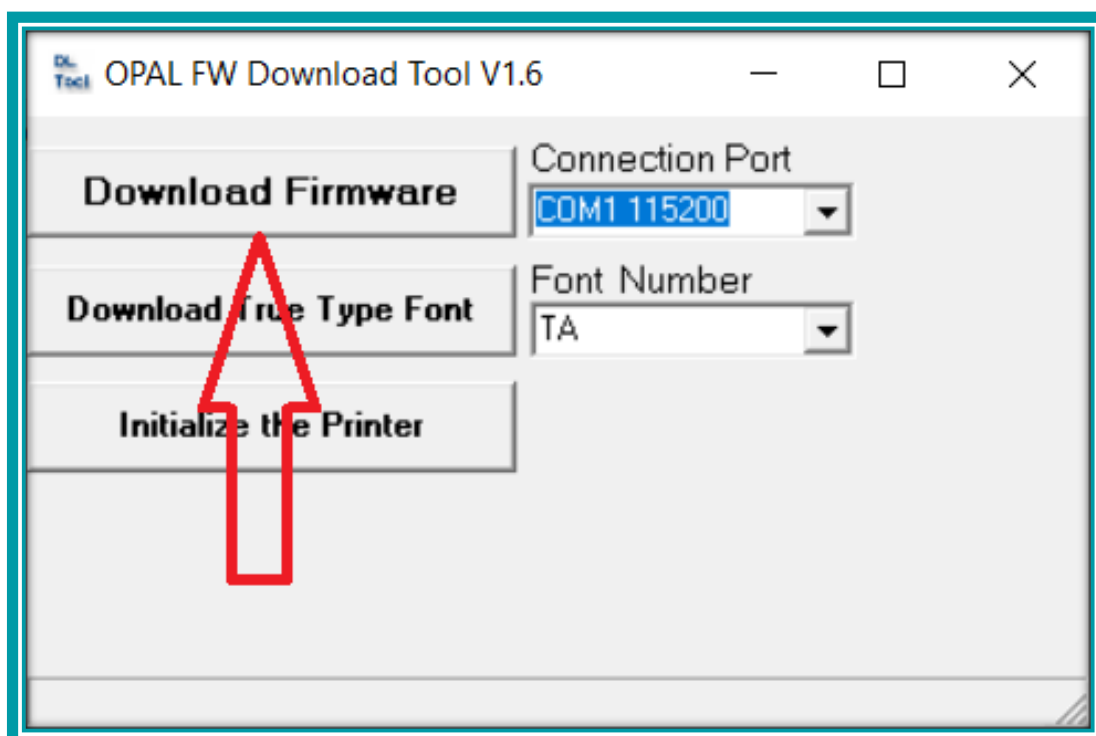
- 1) Connect the printer with RS232 cable.
- 2) Connect the printer with power supply and turn it on.
- 3) Configure the serial port: Send Y11,N,8,1 [CR][LF] (115200 bps, None parity, 8 Databit, 1 Stopbit) command to the Printer.
- 4) Unzip the zip file on the computer.
- 5) Start OPAL FW Download Tool Version 1.6.



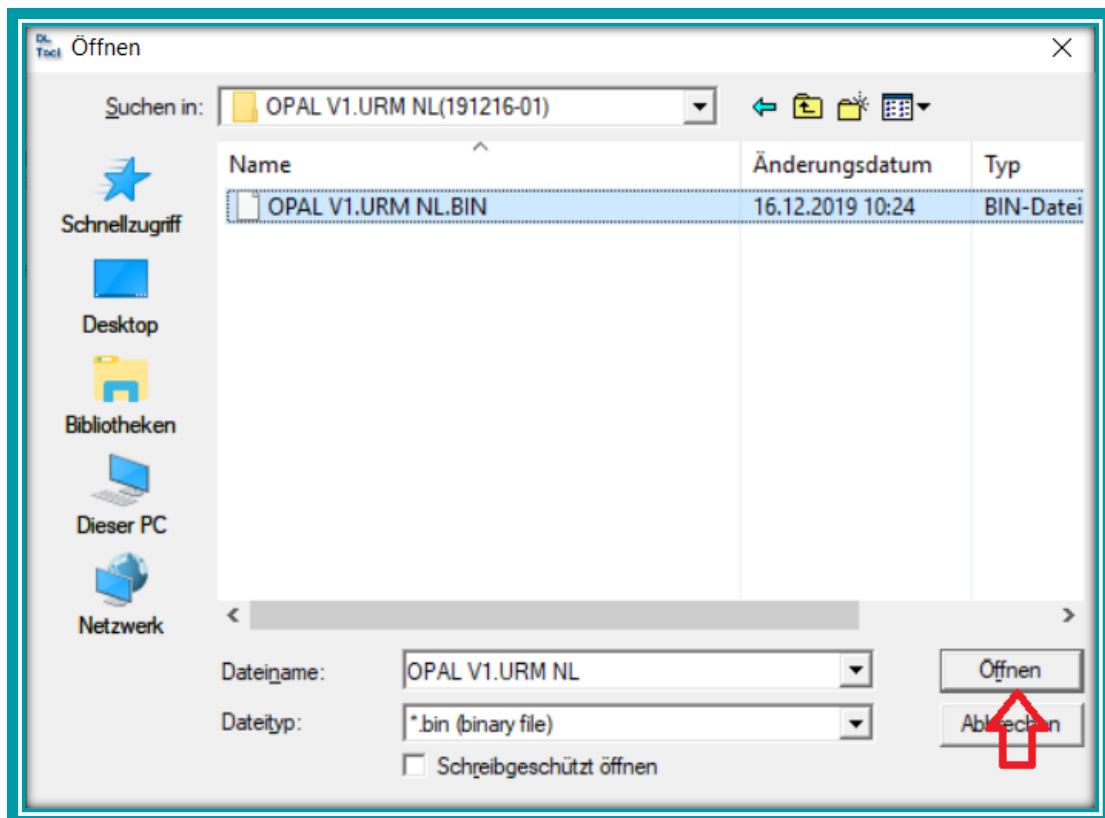
6) Select RS232 Port.



7) Select Download Firmware.

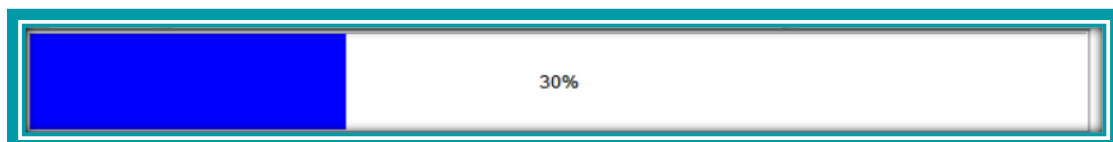


8) Select the FW URx → select Öffnen button.



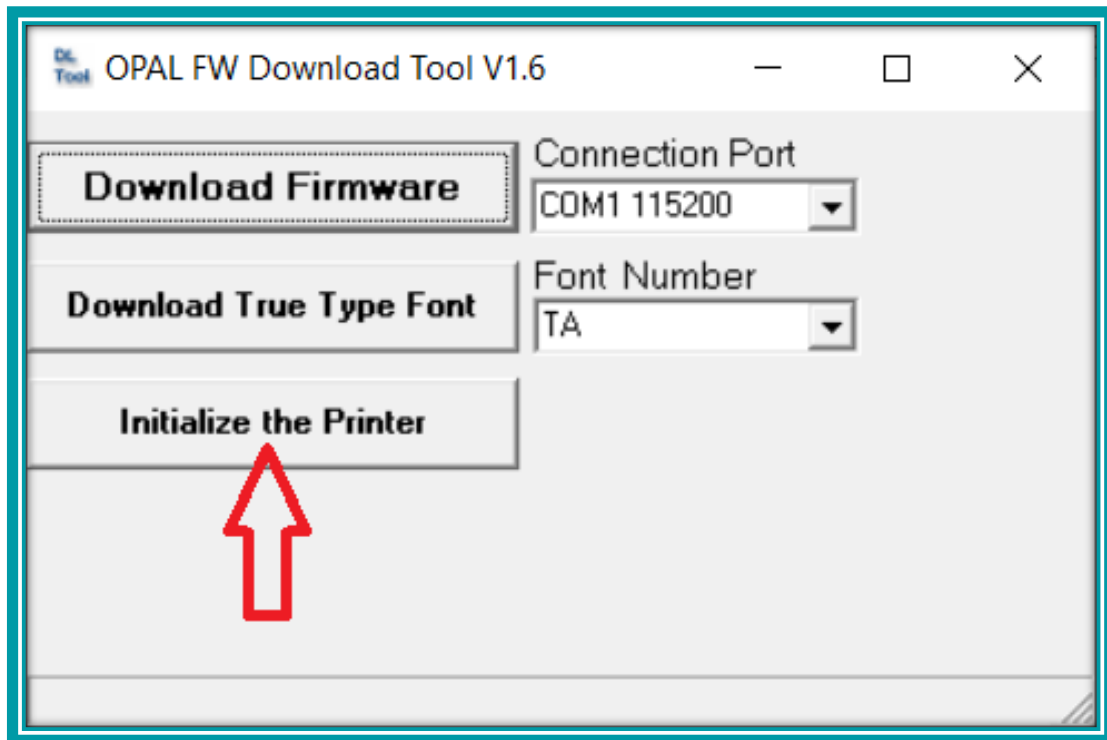
9) Do not switch off the printer or software during FW update !!

10) Printer beeps and the FW is loaded into the printer.
READY LED lights up green continuously and the STATUS LED flashes orange.



11) READY LED lights up green continuously and the STATUS LED flashes red.
The interval from the status LED becomes faster towards the end.
Printer reboots.

- 12) Close OPAL FW Download Tool V1.6.
- 13) Configure the serial port. Send Y11,N,8,1 [CR][LF] (115200 bps, None parity, 8 Databit, 1 Stopbit) command to the Printer.
- 14) Open OPAL FW Download Tool V1.6 and select Initialize the Printer → Printer reboots.



- 14) Finish.
- 15) After the Firmware update is it necessary to make Automatic calibration see section 4.

3.4 VIA USB INTERFACE

3.4.1 REQUIRED FOR THE FW UPDATE:

OPAL OD5+ or OD5+300 from SN# 200000000.

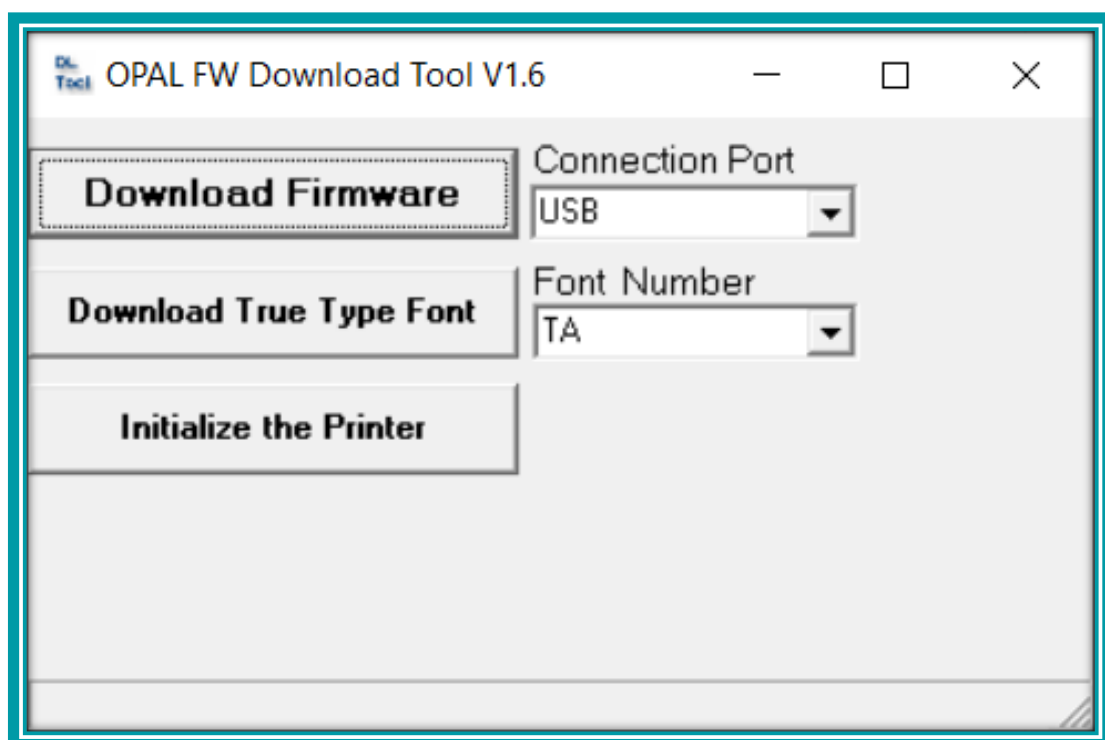
OPAL FW Download Tool Version 1.6.

Firmware URx.

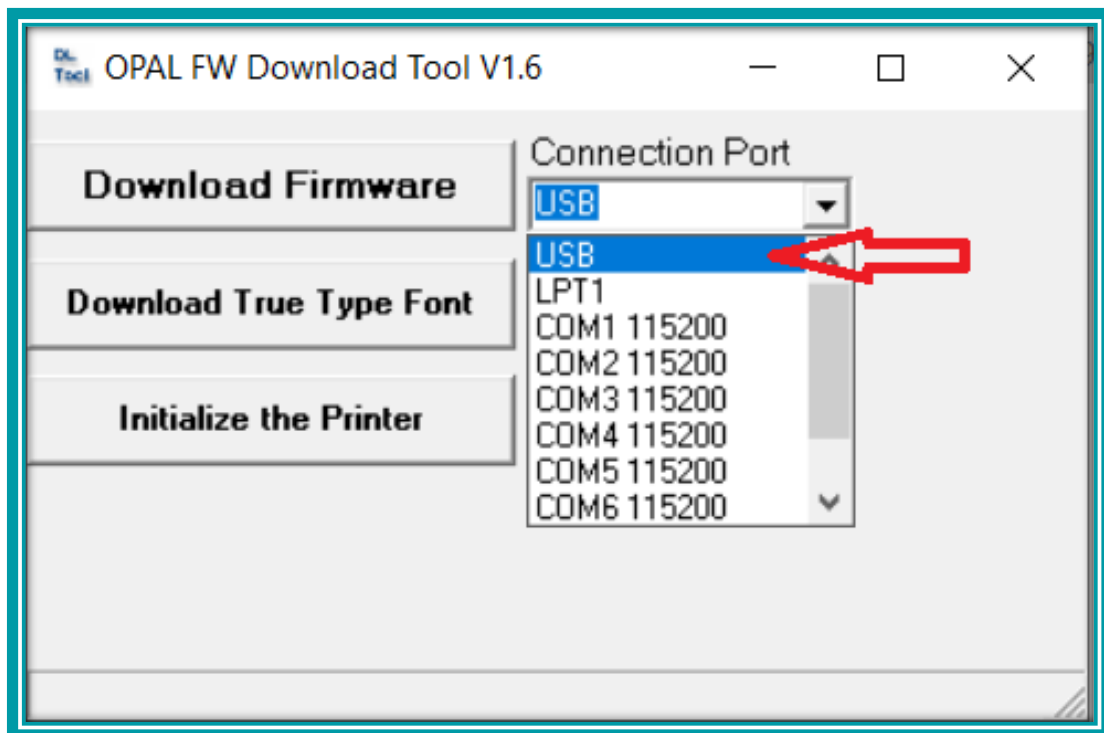
USB cable is in the Box.

3.4.2 INSTRUCTIONS:

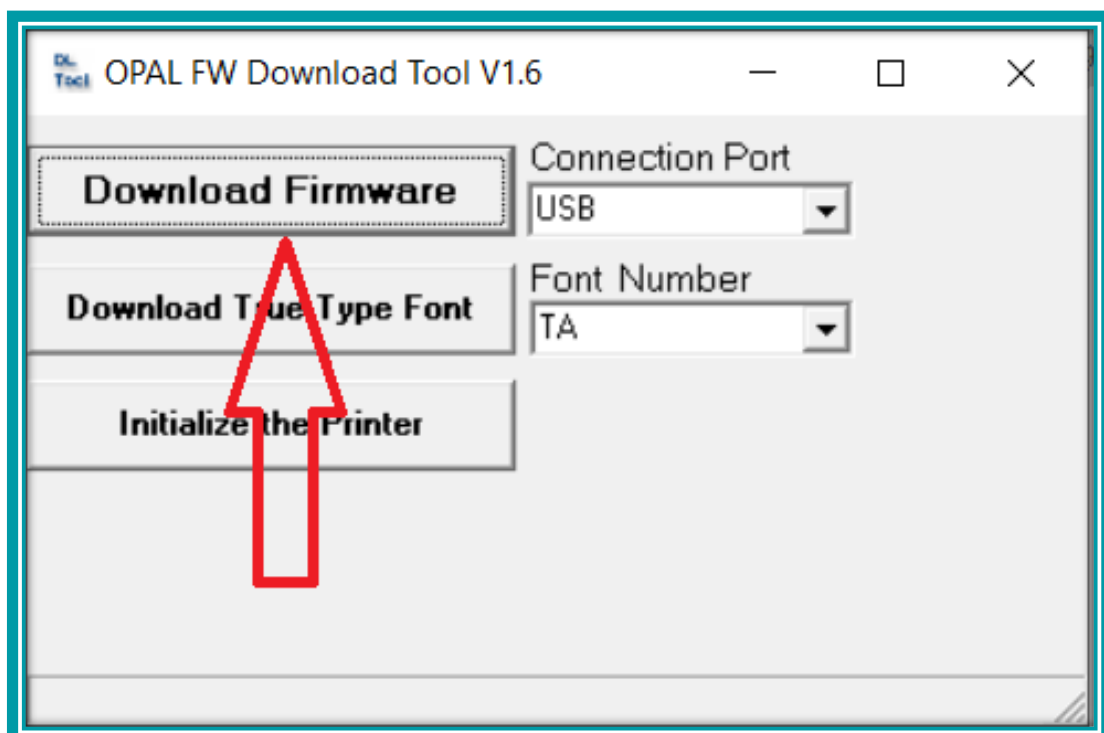
- 1) Unzip the zip file on the computer.
- 2) Connect the printer with USB cable.
- 3) Connect the printer with power supply and turn it on.
- 4) Start OPAL FW Download Tool Version 1.6.



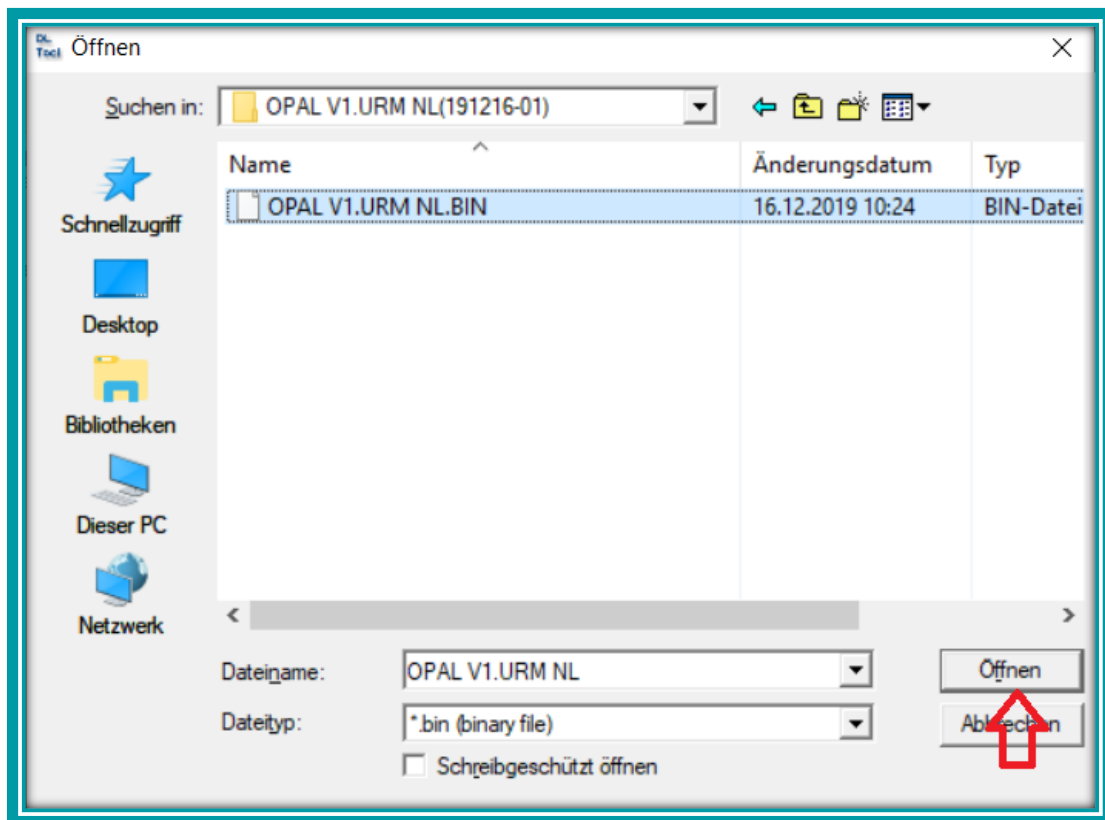
5) Select USB Port.



6) Select Download Firmware.

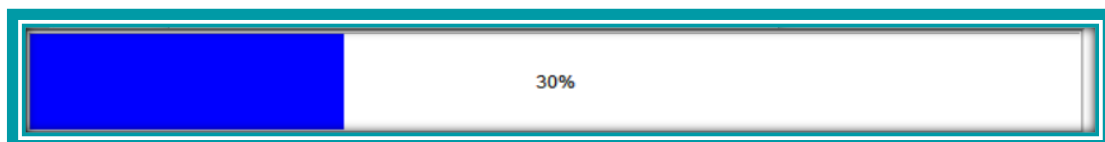


7) Select the FW URx → select Öffnen button.

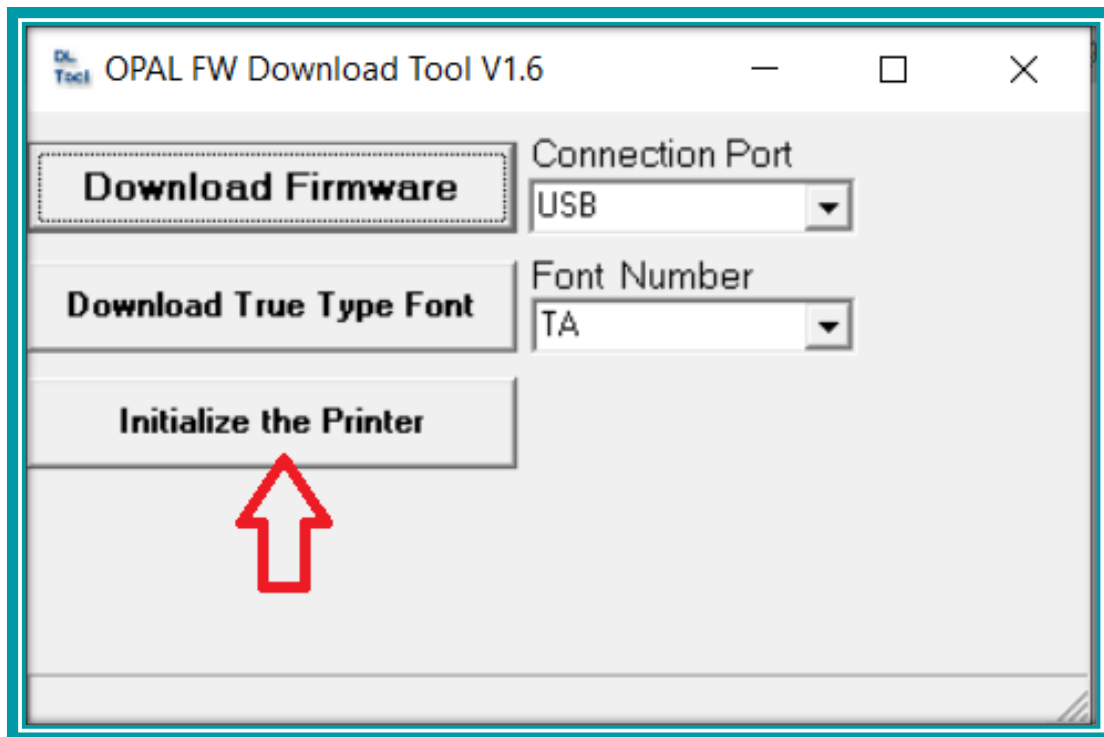


8) Do not switch off the printer or software during FW update !!

9) Printer beeps and the FW is loaded into the printer.
READY LED lights up green continuously and the STATUS LED flashes orange.



- 10) READY LED lights up green continuously and the STATUS LED flashes red.
The interval from the status LED becomes faster towards the end.
Printer reboots.
- 11) Select Initialize the Printer → Printer reboots.



- 12) Finish.
- 13) After the Firmware update is it necessary to make Automatic calibration see section 4.

4. AUTOMATIC CALIBRATION

- 1) Place the labels and the ribbon (if required) in the printer.
- 2) Press and hold the FEED button while turning on the printer.
- 3) Once the LEDs are flashing orange, release the FEED button. The Printer is now calibrating the gap between the labels or detecting the black mark.
- 4) After the calibration process, a test label will be printed and the printer is now in dump mode.
- 5) Press the FEED button again to return to normal operation (out of dump mode).