

TH2xx Download Service for Windows

This tool enables the user to download firmware to either TH210-VI or TH250 printer models. This tool is built using 32-bit Java 1.6.0_03 using the 32-bit native libraries.

Purpose of this document:

To present a general guide for installing 'TH2xx Download Service' on Windows systems. Once installed successfully the user will be able to download firmware using USB, Serial or Ethernet interface.

Requirements:

- A 32-bit Java/JRE version (1.6.0_03 or higher) needs to be installed on the Windows System.

Instructions:

1. Unzip the folder and copy it over to any location from where you want to run the tool. The contents under TH2xxDownloadService will be as follows:
 - firmware (can be 'app' or 'apc'), e. g.:
 - TH210A157A.apc
 - TH250A163A.apc
 Firmware File names have to follow a certain naming convention (as shown above) in order for the tool to recognize whether an update is required or not.
 - lib
 - junit-4.1.jar
 - log4j-1.2.14.jar
 - RXTXcomm.jar
 - rtxParallel.dll
 - rtxSerial.dll
 - TH2xxDownloadService.jar
 - dnusb.dll
 - config.xml (Please read the instructions in the sample .xml to understand the entries)
 - logger.cfg
 - runtest.bat (this is the file that you need to call from the command window to run the tool)
 - runtest_OpenJDK_default.bat (this file need to called for OPOS users without standard Java)

Please Note: The firmware folder exist just as an example. The firmware files can be anywhere on the system as long as the appropriate path is defined in the config.xml.

2. Contents of runtest.bat:

```
@ECHO OFF
REM *****
REM * This is a sample script. Note that with the help of these parameters no graphical user interface will be displayed. This *
REM * sample shows how DieboldDownloadService is to be called in order to load firmware 'TH250A163A.apc' (for example) *
REM * to the TH250 (for example). The firmware path and communication interface can be set using config.xml. *
REM *****
SET lib_path=C:\TH2xxDownloadService\lib
SET app_path=C:\TH2xxDownloadService
set classpath=;%lib_path%\junit-4.1.jar;%lib_path%\log4j-1.2.14.jar;%lib_path%\RXTXcomm.jar;%lib_path%\TH2xxDownloadService.jar;
java -Djava.library.path=%lib_path% com.dn.downloadservice.DownloadFW TH250 -gui %app_path%
```

Please Note: User will have to change the content in **bold and italics** (as specified above) as to their own custom requirements. Same in config.XML, if different path is used.

If you are not using a standard Java Runtime from <https://www.java.com/de/download/> , but using the OpenJDK from *UDM-Default-Runtime-Engine*, you need to add its path at the beginning of the last line (sample shown in the batch), or use alternative batch **runtest_OpenJDK_default.bat** , if you used default path for OpenJDK while installation. As new version has a GUI (graphics user interface), new default settings need be set by the "command file name" option after firmware upgrade, please select "set_Defaults..." file and press "run". Extended Diagnostic Form is printed for your check.