# Quick Reference Guide
# ITL Programming Systems
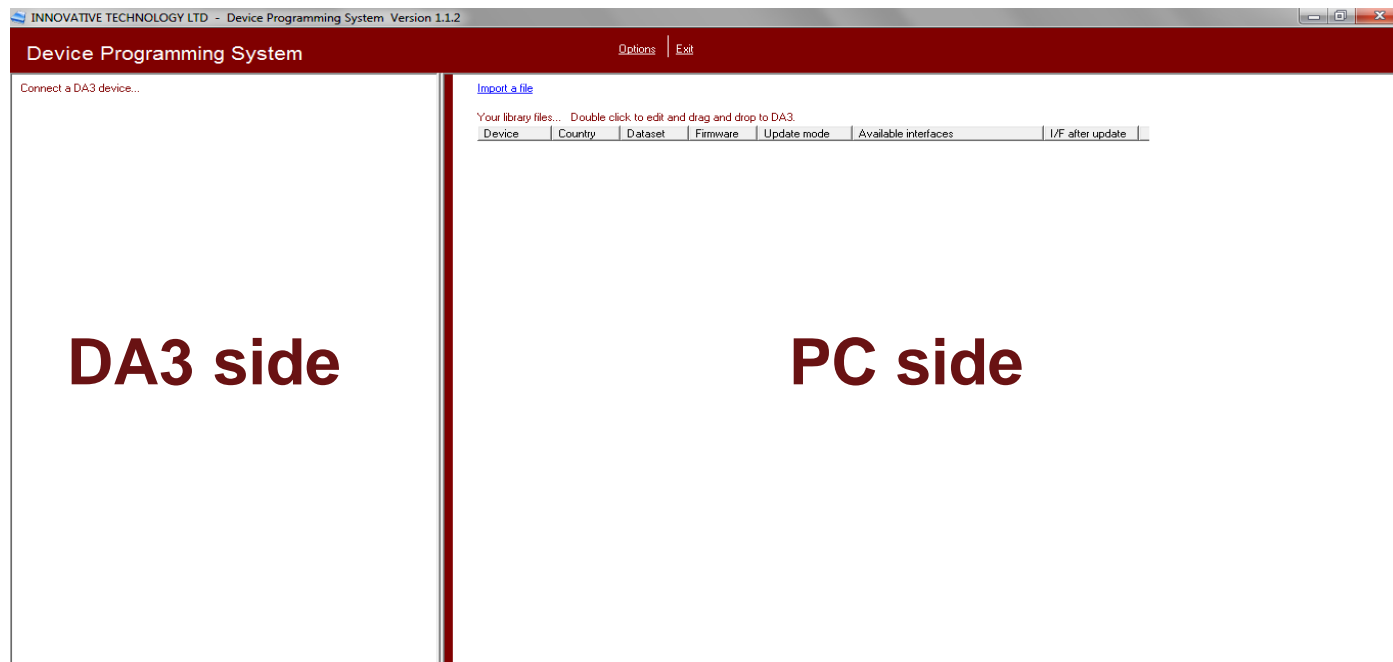
## DPS

### Device Programming System

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# Quick Reference Guide - DPS
## General Overview

- The DPS can be divided into two parts
  - PC side
  - DA3 side



**DA3 side**

**PC side**

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# Quick Reference Guide - DPS
## PC side - Overview

- Load firmware and dataset files into the library
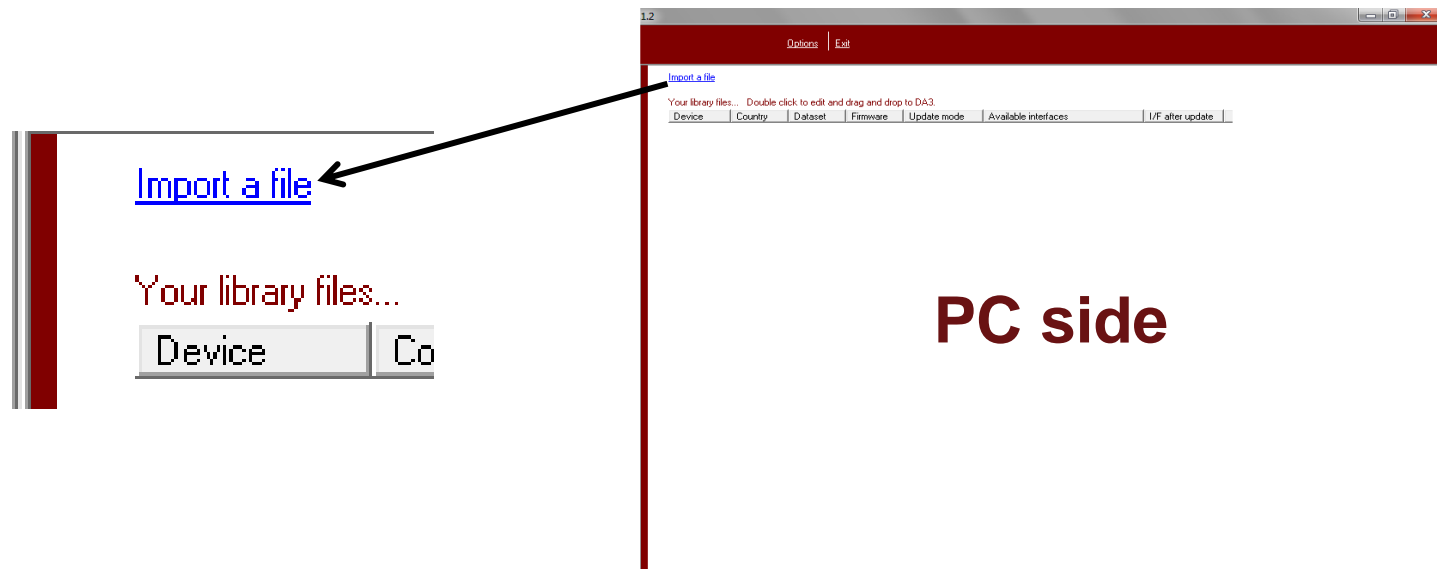- Configure firmware/dataset files in the library



**PC side**

- Click on **Import a file** and load firmware/dataset file into the library



**PC side**

- Chose the directory on your PC where ITL firmware/dataset files are stored



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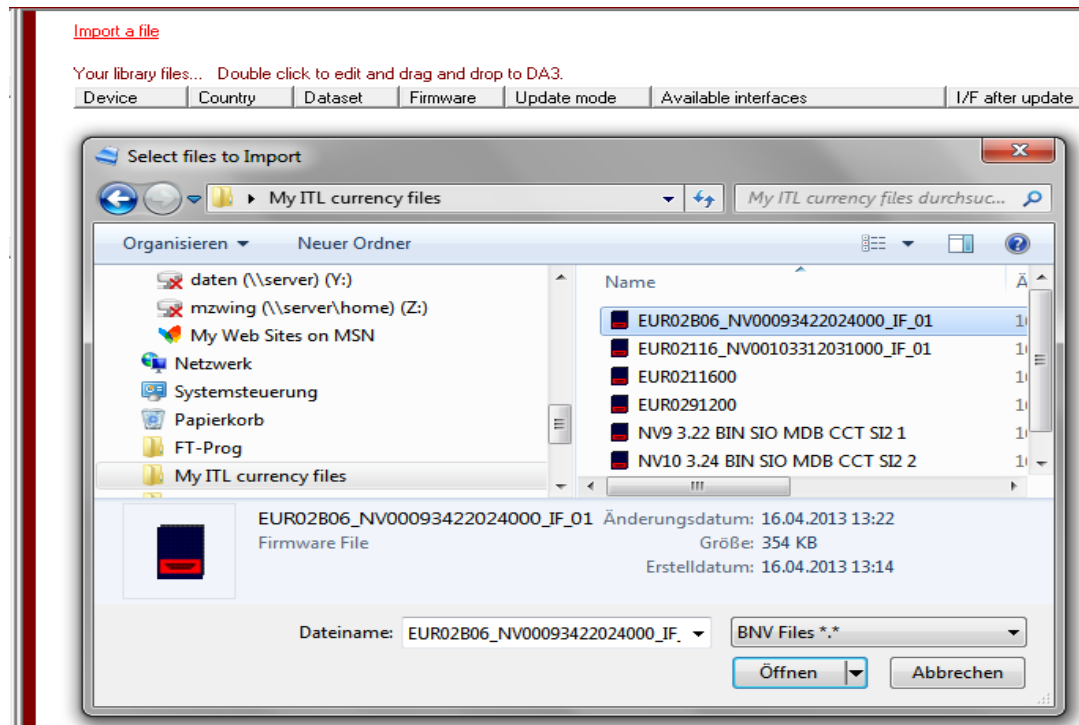## PC side – load firmware/dataset files into the library

- Select a firmware/dataset file and click on **Open** to load a file into the library

# Quick Reference Guide - DPS
## PC side – load firmware/dataset files into the library

# Quick Reference Guide - DPS
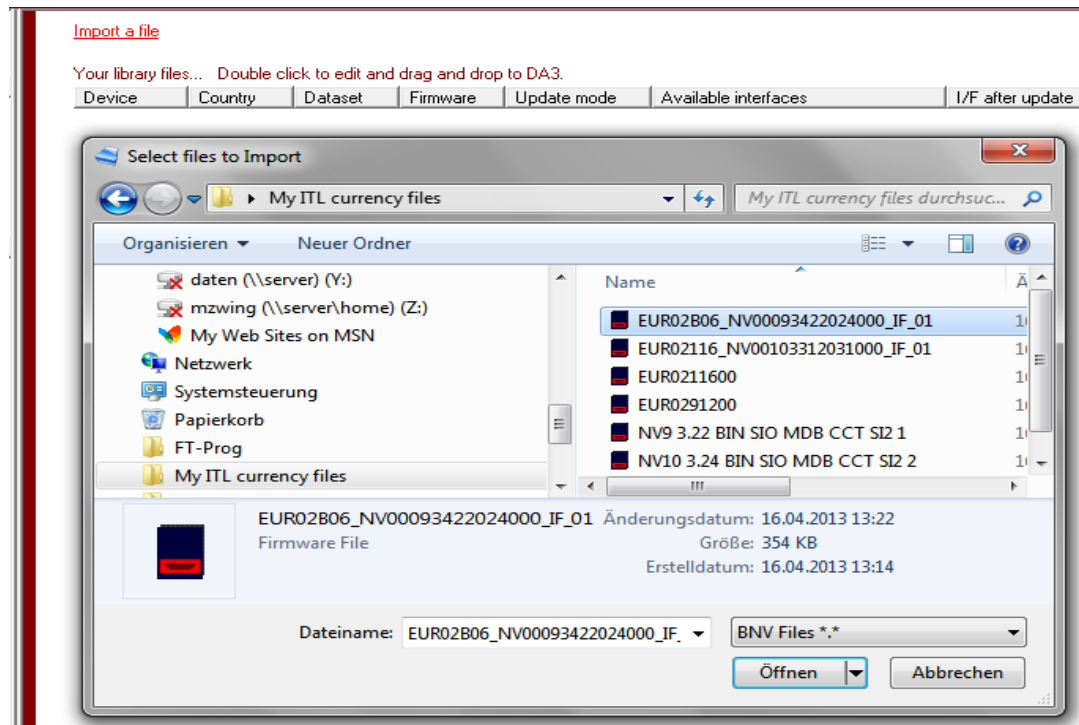## PC side – configure firmware/dataset files

- ITL firmware/dataset files can be configured in two different update modes
  - Match (default)
    - DA3 checks current firmware and dataset version of validator and updates only when a newer version of this firmware/dataset is loaded in the DA3 (no changes to any settings possible)
  - Override
    - Overrides validator with configured settings (firmware, dataset, protocol and protocol options)

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## PC side – configure firmware/dataset files

- A double click on a file in the library allows to configure the update mode

- Selecting **Override** allows to set the protocol and its option flags

- A double click on a protocol option allows to enable or disable a protocol option

- Click on **Save** when all settings are done

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## PC side – configure firmware/dataset files



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## PC side – load configured files to DA3 side

- Drag and drop files from the library to the DA3



INNOVATIVE TECHNOLOGY LTD - Device Programming System Version 1.1.2

## Device Programming System

Options | Exit

ITL DA3 connected.    Change DA3 firmware version

| Item | Value | |
|---|---|---|
| Serial number | 0 | |
| Firmware version | 1.13 | |
| Loaded files | 0 | |

Your Firmware files for update...

| Device | Dataset | Firmware | Update mode | I/F after update |
|---|---|---|---|---|
| NV9_11USB | EUR02B06 | 342 | Override | SSP |
| NV10USB | EUR02116 | 331 | Match | SSP |
| NV9 | EUR02912 | - | Match | |
| NV9 | - | 322 | Match | N/A |
| NV9s | - | 322 | Match | N/A |
| NV10 | EUR02116 | - | Override | |
| NV10 | - | 326 | Override | N/A |
| NV10s | - | 326 | Override | N/A |

Import a file

Your library files...   Double click to edit and drag and drop to DA3.

| Device | Country | Dataset | Firmware | Update mode | Available interfaces | I/F after update |
|---|---|---|---|---|---|---|
| NV9_11USB | EURO | EUR02B06 | 342 | Override | SSP,PAR,PL1,SIO,CCT,MDB,SP4 | SSP |
| NV10USB | EURO | EUR02116 | 331 | Match | SSP,PAR,PL1,SIO,CCT,MDB,SP4 | SSP |
| NV9 | EURO | EUR02912 | - | Match | - | |
| NV10 | EURO | EUR02116 | - | Override | - | |
| NV9 | - | - | 322 | Match | PAR,PL1,SSP,BIN | N/A |
| NV9 | - | - | 322 | Match | PAR,PL1,SSP,SIO | N/A |
| NV9 | - | - | 322 | Match | PAR,PL1,SSP,MDB | N/A |
| NV9 | - | - | 322 | Match | PAR,PL1,SSP,CCT | N/A |
| NV9 | - | - | 322 | Match | PAR,PL1,SSP,SI2 | N/A |
| NV9s | - | - | 322 | Match | PAR,PL1,SSP,BIN | N/A |
| NV9s | - | - | 322 | Match | PAR,PL1,SSP,SIO | N/A |
| NV9s | - | - | 322 | Match | PAR,PL1,SSP,MDB | N/A |
| NV9s | - | - | 322 | Match | PAR,PL1,SSP,CCT | N/A |
| NV9s | - | - | 322 | Match | PAR,PL1,SSP,SI2 | N/A |
| NV10s | - | - | 326 | Match | PAR,PL1,SSP,BIN | N/A |
| NV10 | - | - | 326 | Match | PAR,PL1,SSP,BIN | N/A |
| NV10s | - | - | 326 | Match | PAR,PL1,SSP,CCT | N/A |
| NV10 | - | - | 326 | Match | PAR,PL1,SSP,CCT | N/A |
| NV10s | - | - | 326 | Override | PAR,PL1,SSP,MDB | N/A |
| NV10 | - | - | 326 | Override | PAR,PL1,SSP,MDB | N/A |
| NV10s | - | - | 326 | Match | PAR,PL1,SSP,SI2 | N/A |
| NV10 | - | - | 326 | Match | PAR,PL1,SSP,SI2 | N/A |
| NV10s | - | - | 326 | Match | PAR,PL1,SSP,SIO | N/A |
| NV10 | - | - | 326 | Match | PAR,PL1,SSP,SIO | N/A |

# Quick Reference Guide - DPS
## DA3 side - Overview

- Update DA3 firmware
- Load files into DA3 memory
- Erase files from DA3 memory
- Copy files from/to data flash card
- Erase files from data flash cards
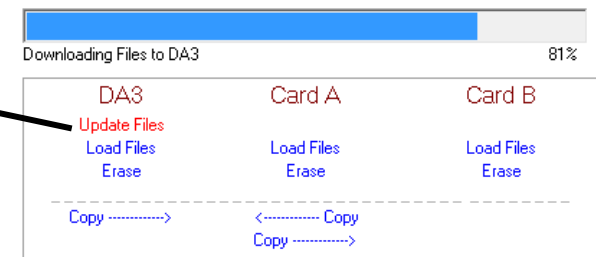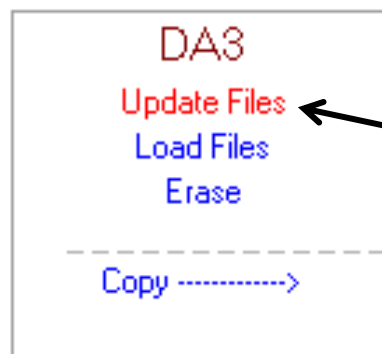- Load files from data flash card

- Click on **Update Files** to store the files in the DA3 memory

- A status bar indicates the progress of the DA3 update

**Do not remove the USB cable during the download as this may result in a corrupted DA3 memory!**

Updating files to DA3...

| Device | Dataset | Firmware | Update mode | I/F after update |
|--------|---------|----------|-------------|------------------|
| NV9_11USB | EUR02B06 | 342 | Override | SSP |
| NV10USB | EUR02116 | 331 | Match | SSP |
| NV9 | EUR02912 | - | Match | |
| NV9 | - | 322 | Match | N/A |
| NV9s | - | 322 | Match | N/A |
| NV10 | EUR02116 | - | Override | |
| NV10 | - | 326 | Override | N/A |
| NV10s | - | 326 | Override | N/A |

Downloading Files to DA3                                    81%

Downloading Files to DA3                                    81%

| DA3 | Card A | Card B |
|-----|--------|--------|
| Update Files | | |
| Load Files | Load Files | Load Files |
| Erase | Erase | Erase |

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## DA3 side – update DA3 with configured files

In this example the DA3 is now able to:

- Override NV9USB/NV11 with EUR02 dataset, 3.42 firmware and SSP interface

- Match download for NV10USB programmed with EUR02 dataset

- Match download for NV9 programmed with EUR02 dataset

- Override NV10 with EUR02 dataset, 3.26 firmware and MDB interface

INNOVATIVE TECHNOLOGY LTD - Device Programming System Version

Device Programming Sys    Options | Exit

ITL DA3 connected.                    Change DA3 firmware version

| Item | Value | |
|---|---|---|
| Serial number | 0 | |
| Firmware version | 1.13 | |
| Loaded files | 8 | |

Files on DA3...

| Device | Dataset | Firmware | Update mode | I/F after update |
|---|---|---|---|---|
| NV9_11USB | EUR02 | 342 | Override | SSP |
| NV10USB | EUR02 | 331 | Match | N/A |
| NV9 | EUR02 | | Match | N/A |
| NV10 | EUR02 | | Override | N/A |
| NV9 | | 322 | Match | N/A |
| NV9s | | 322 | Match | N/A |
| NV10 | | 326 | Override | N/A |
| NV10s | | 326 | Override | N/A |

| DA3 | Card A | Card B |
|---|---|---|
| Update Files | | |
| Load Files | Load Files | Load Files |
| Erase | Erase | Erase |

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