



## RELEASE INFORMATION

Project name		Project No
Firmware Download TP		7036
Software	Software version	Release date
Application	Version 2.16.1.2	2017-05-26

### This release contains:

- This document
- Installation package – “FWDownloadTP Setup 2.16.1.2.exe”

### Reason for release:

Support for COM ports above 9.

Updated to latest transport provider.

### Supported hardware:

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### How to upgrade from previous versions:

Uninstall previous versions and install this version.

### Known limitations:

- No known limitations



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### Updated in version 2.16.1.2:

- New functionality
  - Support for COM ports above 9.
- Other changes
  - Transport Providers v3.8.1.1 included
  - Updated DLL-files included in the installation package
    - “AbxDI.dll” – Version 1.6.1.2.

### Updated in version 2.16.1.1:

- New functionality
  - CM CANOpen interface added
- Other changes
  - Transport Providers v3.0.1.1 included
  - DLL-files included in the installation package
    - “abc.dll” – Version 1.9.1.1.
    - “abccan.dll” – Version 1.4.1.1.
    - “abccom.dll” – Version 2.11.1.1.
    - “AbsAbs.dll” – Version 1.6.1.1.
    - “AbsDI.dll” – Version 1.6.1.1.
    - ”AbxCopm.dll” – Version 1.4.1.1.
    - “AbxDI.dll” – Version 1.6.1.1.
    - ”AbxModbusTCP.dll” – Version 1.0.1.3.
    - ”CM-CANOpen.dll” – Version 1.0.1.1
    - “HmsAbs.dll” – Version 2.1.0.0.
    - “JtkCom.dll” – Version 1.2.1.1.
    - “XmlDbHandler.dll” – Version 1.7.2.19.



## RELEASE INFORMATION

Project name		Project No
Firmware Download TP		7036
Software	Software version	Release date
Application	Version 2.16.1.2	2017-05-26

### Updated in version 2.15.1.1:

#### - New functionality

- Anybus Communicator CAN interface added

#### - Other changes

- Transport Providers v2.9.1.1 included
- DLL-files included in the installation package
  - “abc.dll” – Version 1.9.1.1.
  - “abccan.dll” – Version 1.4.1.1.
  - “abccom.dll” – Version 2.11.1.1.
  - “AbsAbs.dll” – Version 1.6.1.1.
  - “AbsDI.dll” – Version 1.6.1.1.
  - ”AbxCopm.dll” – Version 1.4.1.1.
  - “AbxDI.dll” – Version 1.6.1.1.
  - ”AbxModbusTCP.dll” – Version 1.0.1.3.
  - “HmsAbs.dll” – Version 2.1.0.0.
  - “JtkCom.dll” – Version 1.2.1.1.
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Firmware Download TP		7036
Software	Software version	Release date
Application	Version 2.16.1.2	2017-05-26

### Updated in version 2.14.1.1:

#### - New functionality

- ABX ModbusTCP interface added

#### - Other changes

- Transport Providers v2.7.1.1 included
- DLL-files included in the installation package
  - “abc.dll” – Version 1.9.1.1.
  - “abccom.dll” – Version 2.11.1.1.
  - “AbsAbs.dll” – Version 1.6.1.1.
  - “AbsDI.dll” – Version 1.6.1.1.
  - ”AbxCopm.dll” – Version 1.2.1.1.
  - ”AbxModbusTCP.dll” – Version 1.0.1.1.
  - “AbxDI.dll” – Version 1.6.1.1.
  - “HmsAbs.dll” – Version 2.1.0.0.
  - “JtkCom.dll” – Version 1.2.1.1.
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Firmware Download TP		7036
Software	Software version	Release date
Application	Version 2.16.1.2	2017-05-26

### Updated in version 2.13.1.2:

#### - Bug fixes

- Certain .fwp files crashed when loading them for ABC or ABS Serial.

#### - Other changes

- Transport Providers v2.7.1.1 included
- DLL-files included in the installation package
  - “abc.dll” – Version 1.9.1.1.
  - “abccom.dll” – Version 2.11.1.1.
  - “AbsAbs.dll” – Version 1.6.1.1.
  - “AbsDI.dll” – Version 1.6.1.1.
  - ”AbxCopm.dll” – Version 1.2.1.1.
  - “AbxDI.dll” – Version 1.6.1.1.
  - “HmsAbs.dll” – Version 2.1.0.0.
  - “JtkCom.dll” – Version 1.2.1.1.
  - “XmlDbHandler.dll” – Version 1.7.2.19.



## RELEASE INFORMATION

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Firmware Download TP		7036
Software	Software version	Release date
Application	Version 2.16.1.2	2017-05-26

### Updated in version 2.13.1.1:

#### - Improved functionality

- More extensive support for .fwp files.
- Works much better with restricted user access rights (required for the program to run under Windows 7).

#### - Bug fixes

- Checksum calculations done according to specification.
- More/better information in the “File Info” tab.
- Several rare crashes fixed.

Please refer to the bug tracking system for more information about the specific bugs fixed.

#### - Other changes

- Transport Providers v2.7.1.1 included
- DLL-files included in the installation package
  - “abc.dll” – Version 1.8.1.1.
  - “abccom.dll” – Version 2.10.1.1.
  - “AbsAbs.dll” – Version 1.6.1.1.
  - “AbsDI.dll” – Version 1.6.1.1.
  - ”AbxCopm.dll” – Version 1.2.1.1.
  - “AbxDI.dll” – Version 1.6.1.1.
  - “HmsAbs.dll” – Version 2.1.0.0.
  - “JtkCom.dll” – Version 1.2.1.1.
  - “XmlDbHandler.dll” – Version 1.7.2.19.



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Firmware Download TP		7036
Software	Software version	Release date
Application	Version 2.16.1.2	2017-05-26

### Updated in version 2.9.1.1:

- New functionality
- Improved functionality
  - **Improved firmware download stability to Anybus X-gateway** – When downloading firmware to Anybus X-gateway the firmware download fails. Increased the timeout time, to reduce the likelihood of timeout when formatting the file-system of the Anybus X-gateway.
- Bug fixes
- Other changes
  - DLL-files included in the installation package
    - “**abc.dll**” – Version 1.3.1.2.
    - “**abccom.dll**” – Version 2.6.1.1.
    - “**AbsAbs.dll**” – Version 1.5.1.3.
    - “**AbsDI.dll**” – Version 1.1.1.1.
    - “**AbxDI.dll**” – Version 1.1.1.1.
    - “**HmsAbs.dll**” – Version 2.0.0.0.
    - “**JtkCom.dll**” – Version 1.2.1.1.
    - “**XmlDbHandler.dll**” – Version 1.7.2.19.



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Firmware Download TP		7036
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Application	Version 2.16.1.2	2017-05-26

### Updated in version 2.8.1.1

- Updated version number to 2.8.1.1
- Updates done to be able to load AbsDl.dll when Anybus-S interface is chosen and FWP files are loaded.
- Included ABC.dll version 1.3.1.2
- Included AbsDl.dll version 1.1.1.1
- Included AbxDl.dll version 1.0.1.3
- Included ABSABS.dll version 1.5.1.3
- Included abccom.dll version 2.4.1.1
- Included XmlDbHandler.dll version 1.6.2.13
- Included FWDownloadTp.exe version 2.8.1.1
- Included JTKCOM.dll version 1.0.1.1
- Included HMSABS.dll version 1.1.0.0

### Updated in version 2.7.1.2

- Updated version number to 2.7.1.2
- Error message displayed if NP30 software with no header is loaded.

#### Installation package

- Included ABC.dll version 1.3.1.2
- Included AbxDl.dll version 1.0.1.3
- Included ABSABS.dll version 1.5.1.3
- Included abccom.dll version 2.4.1.1
- Included XmlDbHandler.dll version 1.6.2.13
- Included FWDownloadTp.exe version 2.7.1.2
- Included JTKCOM.dll version 1.0.1.1
- Included HMSABS.dll version 1.1.0.0





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### Updated in version 2.7.1.1

- Updated version number to 2.7.1.1
- Start address in S19 buffer changed so that it will start on 0 instead of for example 0x10400 for F040.
- Added possibility to read CRC start address and CRC end address in header of S19 file.

#### Installation package

- Included ABC.dll version 1.3.1.2
- Included AbxDI.dll version 1.0.1.3
- Included ABSABS.dll version 1.5.1.3
- Included abccom.dll version 2.4.1.1
- Included XmlDbHandler.dll version 1.6.2.13
- Included FWDownloadTp.exe version 2.7.1.1
- Included JTKCOM.dll version 1.0.1.1
- Included HMSABS.dll version 1.1.0.0

### Updated in version 2.6.1.4

- Updated version number to 2.6.1.4
- Erase timeout did not work correctly, the OKButton and CancelButton were not called.
- When Interface is changed the name in header is deleted.
- The Start button is disabled as soon connection is made to a common dll.

#### Installation package

- Included ABC.dll version 1.3.1.2
- Included AbxDI.dll version 1.0.1.3
- Included ABSABS.dll version 1.5.1.3
- Included abccom.dll version 2.4.1.1
- Included XmlDbHandler.dll version 1.6.2.13
- Included FWDownloadTp.exe version 2.6.1.4
- Included JTKCOM.dll version 1.0.1.1
- Included HMSABS.dll version 1.1.0.0



## RELEASE INFORMATION

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Firmware Download TP		7036
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### Updated in version 2.6.1.3

- Updated version number to 2.6.1.3
- All files specified in the register except ABSABS.DLL, HMSTPRTR.DLL and HMSABS.DLL will be loaded and treated as COMMON\_DLL
- - The file extension \*.fwp has been added to the usual download files and the name "Motorola S19 files" has been changed to "Download Files"
- - Made sure that common interface dlls are treated as such at all times. (Found one place where Anybus-C was treated specially, this is now fixed)
- - Corrected error so that if an erroneous interface dll has been chosen, the user will be asked to choose another one.
- - If the interface dll has been corrupt between shut-down of the program at the next startup, will the user be asked to choose another dll.
- Firmware download END mailbox changed, so it is possible to download firmware, when new transport provider is used.
- Common dll Anybus-X is included.
- Information for header in firmware file changed.
- If header is included in firmware file, the calculation of Checksum is calculated on same area as CRC.
- Firmware file buffer increased.

#### Installation package

- Included ABC.dll version 1.3.1.2
- Included AbxDI.dll version 1.0.1.2
- Included ABSABS.dll version 1.5.1.2
- Included abccom.dll version 2.4.1.1
- Included XmlDbHandler.dll version 1.6.2.13
- Included FWDownloadTp.exe version 2.6.1.3
- Included JTKCOM.dll version 1.0.1.1
- Included HMSABS.dll version 1.1.0.0

### Updated in version 2.5:

- Updated version number to 2.5.1.2
- Corrected errors found in version 2.3
- Added functionality for handling file information header in the Anybus-S firmware files, for all interfaces except the Anybus-S serial interface.



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### Updated in version 2.3:

- This is the beta-official release of this program
- Set flash erase delay/time-out a selectable value. This fixes problem with slow erase processes, e.g., ABS-ETN BL  $\geq$  1.13.
- Added interface for download to the ABC.
- Added delay before reading module type
- Corrected reset handling

*Bugs that are found in this software release should be reported back to HMS support department.  
Report product, software version, configuration, how to reproduce behaviour, and the effects of  
the bug.*