

# Firmware Download Anybus Communicator CAN

HMS Firmware Do	wnload Tp		
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SCM-1300-006

#### Rev. 1.00

#### History

Revision	Date	Description	Responsible
1.00	2011-10-03	First release	KaD

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## **1** Applicable Anybus Products

Description	Name / Type
Anybus Communicator	Communicator CAN

### 2 Requirements

Description	Name / Type	Version
Firmware Download TP	Software	2.15.1.1
Anybus Communicator	Communicator CAN	N/A

# **3 Solution Overview**

This document describes how to download firmware to the Anybus Communicator CAN, using the Firmware Download TP tool from HMS Industrial Networks.



#### 4 Step-by-Step Guide

This guide will provide the necessary information needed to update the firmware in the Anybus Communicator CAN, presented in a step-by-step format.

Prior to setup, please contact HMS support to obtain the appropriate firmware upgrade package for your product.

- Download and install the Firmware Download TP tool. It is available for download at <u>www.anybus.com</u>. To find the latest version, click 'Support'. Then choose 'Support tools' and 'Firmware upgrade tools'.
- 2) Connect and power up the Communicator.
- 3) Start the program.

The first time the program is started, the interface (product family) may need to be specified. In the list, choose "Anybus Communicator CAN". The main window of the Firmware Download TP tool looks like below:

🛞 HMS Firmware Do	wnload Tp		
File Settings Help	)		
Control Settings Info	File Info		
Program Mode	Instruction		
Firmware	1. Connect and po 2. Choose Interface 3. Choose path to	ower up the module ce in "Settings->Cha the module in "Settir	nge Interface" ngs-≻Change Path"
C Configuration	4. Select "Program 5. Load Firmware 6. Press Start	n Mode" /Configuration file	
Auto Download		File Checksums	
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- 4) Choose "Firmware" under Program Mode.
- 5) Select the "Settings Info" menu tab.

This tab shows the current settings of the Firmware Download TP. These settings will be remembered by the tool between sessions.

🛞 HMS Firmwar	e Download Tp				x
<u>File</u> <u>Settings</u>	<u>H</u> elp				
Control Settings	Info File Info				
Settings	•				
Interface:	Anybus Communica	itor CAN			
Path:	Path: Serial				
Path Name:	ABC CAN path				
Extended Settir	ngs				
Baudrate:	115200				

The screenshot above shows the correct settings for the Anybus Communicator CAN. If the settings are correct, proceed to step 8. If not, continue with step 6.

6) Click on menu item "Settings" and choose "Change Interface". Select "Anybus Communicator CAN" in the list.



- 7) Click on menu item "Settings" and choose "Change Path". Select baud rate "115200". In the configuration window that appears, click "Create".
  - o Select menu tab "Serial".
  - o Highlight option "COM-Port Transport Provider". Click "Ok".
  - o Name the path (for example, "ABC CAN path").
  - Select the COM-Port number. (If the COM-Port number is not known, follow the instructions below).
    - Open the Control Panel and find the Device Manager. Expand the item "Ports (COM & LPT) as shown below.



- Among the expanded subitems, find the line labelled "...Anybus Communicator CAN...". The COM-Port number will be found to the right of the label, in brackets.
- Select the same number in the COM-Port number list of the Firmware Download TP tool.
- o A fully specified path has been configured. A window similar to the one below will appear.

Transport Paths	×
Serial	
Path Name	Provider Path ID
ABC CAN path	Anybus COM-port Transport Provider 10007
<u>C</u> reate Configure •	Delete Ok Cancel

Click "Ok" to go back to the main window.

8) Choose the menu item "File" and then "Load". Find the appropriate firmware file in the browser and click "Open" (The firmware file from HMS support will have file extension ".fwp").



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- 9) Back in the main window, press the button "Start". The message "Waiting for Anybus Communicator to be booted..." will appear at the bottom of the window.

HMS Firmware Do	wnload Tp - FWP_COMMUNICATOR
Control Settings Info Program Mode Firmware C Configuration	File Info File Info File Info File Info Connect and power up the module Choose Interface in "Settings->Change Interface" Choose path to the module in "Settings->Change Path" Select "Program Mode" Load Firmware/Configuration file File Base Start
Auto Download	vhen file loaded
Waiting for Anybus Co	Start

- **10)** Power cycle (turn it off and turn it on) the Anybus Communicator to start the download of the new firmware.
- **11)** After the firmware download is complete, restart the Communicator for the changes to take effect. The Communicator will finish the firmware download by executing a factory reset. When finished, the GW LED will alternate between green and red, indicating "Missing configuration".