

Firmware Download Anybus X-gateway Modbus-TCP

🛞 HMS Firmware Do	wnload Tp			
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Control Settings Info	File Info			
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Auto Download File Checksums CRC:				
	Start			





SCM-1300-004 Rev. 1.00

History

Revision	Date	Description	Responsible
1.00	2011-08-25	First release	KaD

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1 Applicable Anybus Products

Description	Name / Type
Anybus X-gateway	Modbus-TCP Master

2 Requirements

Description	Name / Type	Version
Firmware Download TP	Software	2.15.1.1
Anybus X-gateway	Modbus-TCP Master	N/A

3 Solution Overview

This document describes how to download firmware to the Anybus X-gateway Modbus-TCP, 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 X-gateway Modbus-TCP, 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 X-gateway.
- 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 X-gateway Modbus-TCP". 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	wer up the module	
 Firmware 	2. Choose Interfac	ce in "Settings->Chai the module in "Settir	
C Configuration	4. Select "Program 5. Load Firmware 6. Press Start	n Mode"	igo-> chunge r un
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.

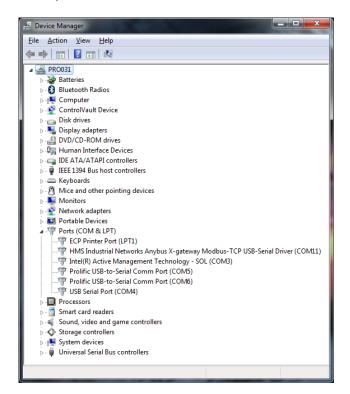
6	🛞 HMS Firmwar	Download Tp	
	<u>File</u> <u>Settings</u> <u>H</u> elp		
Γ	Control Settings Info File Info		
	Settings		
	Interface:	Anybus X-gateway Modbus-TCP	
	Path:	Serial	
	Path Name:	Modbus-TCP path	
	Extended Settir	3°	

The screenshot above shows the correct settings for the Anybus X-gateway Modbus-TCP. 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 X-gateway Modbus-TCP" in the list.



- 7) Click on menu item "Settings" and choose "Change Path". In the 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, "Modbus-TCP 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 X-gateway Modbus-TCP...". 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	and its Discost strongs	×
Serial		
Path Name	Provider	Path ID
Modbus-TCP path	Anybus COM-port Transport Provider	10002
<u></u> reate ▼	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").
- 9) Back in the main window, press the button "Start". The message "Waiting for ABX to be booted..." will appear at the bottom of the window.

🛞 HMS Firmware Do	wnload Tp - FWP_ABX_ETNM_DPV1S			
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Control Settings Info	File Info			
Program Mode Instruction Firmware Choose Interface in "Settings->Change Interface" Choose path to the module in "Settings->Change Path" Select "Program Mode" Load Firmware/Configuration file Press Start 				
Auto Download File Checksums Checksums Checksums N/A CRC: N/A				
	Start			
Waiting for ABX to be booted				

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