

# Component replacement instructions

## hms Anybus X-gateway AB7xxx



BW\_hms Anybus X-gateway\_01\_en

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# 1 Component replacement instructions

**WARNING****Unauthorised start-up/operation of the device by a third party**

may result in death or serious bodily injury.

The device must be de-energized.

Cordon-off access routes during repair work (for example, red/white tape)!

Tools required:

- Screwdriver (5 mm blade width)
- USB cable for terminals
- PC with Anybus X configuration software

## 1.1 Unpacking the new gateway

Examine the device for visible damage or contamination.



Only use devices that are technically and visually flawless.

## 1.2 Removing the old gateway

1. Disconnect the supply voltage to the X-gateway. (Green plug-in block terminal, 4-pin).
2. Prevent the device from being restarted.
3. Disconnect the electrical connections to the X-gateway (mostly plug connectors).
4. Disengage the X-gateway from the DIN rail.
5. Note the DIL switch settings for the new X-gateway.

## 1.3 Installing the new gateway

1. Transfer the DIL switch settings and other settings from the old X-gateway.
2. Insert the X-gateway into the vacant space.
3. Re-establish the electrical connections to the X-gateway (mostly plug connectors).
4. Switch on the supply voltage. (Green plug-in block terminal, 4-pin).

## 1.4 Configuring the new Anybus X-gateway

The Anybus X-gateway transfers the I/O data in both directions, thereby enabling data exchange between two networks. The X-gateway is configured with the "Anybus Configuration Manager – X-gateways". (see: [www.anybus.com](http://www.anybus.com)) This software can also be found on the CD in the control cabinet.

1. Please only connect the PC to the X-gateway after starting the software (USB interface).



CONNECT

- Then read in the type of X-gateway online (configuration). (Upload)



UPLOAD

- Now enter the quantity of Input I/O\_data and Output I/O\_data.

- Then set the X-gateway for your application by transferring (down-loading) the configuration.



DOWNLOAD

- The module is now fully configured and you can terminate the connection to the module.



DISCONNECT

- Finally, it is imperative you save this configuration to the hard drive. This should be a file with the extension .hcg. The file name should correspond to the project.**

### See also

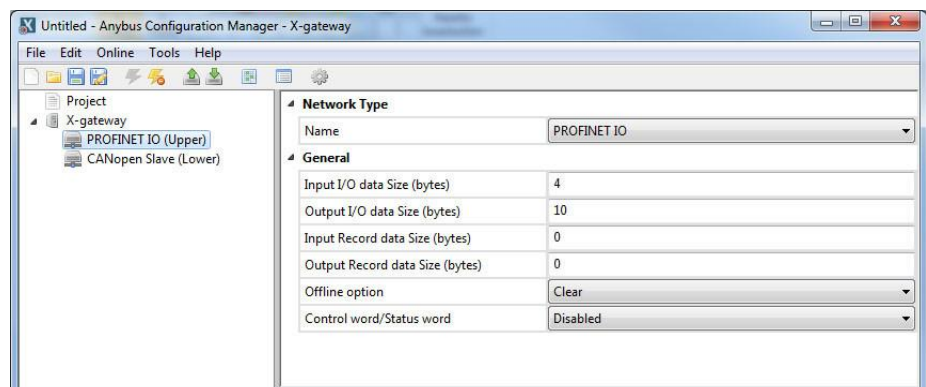
- Example: CANopen – Modbus-TCP [→ 4]

## 1.5

### Example: CANopen – Modbus-TCP

A configuration via Modbus-TCP to ProfiNet with two data words (4 bytes) as the output from the Modbus master and 6 data words (12 bytes) as the input to the Modbus master.

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