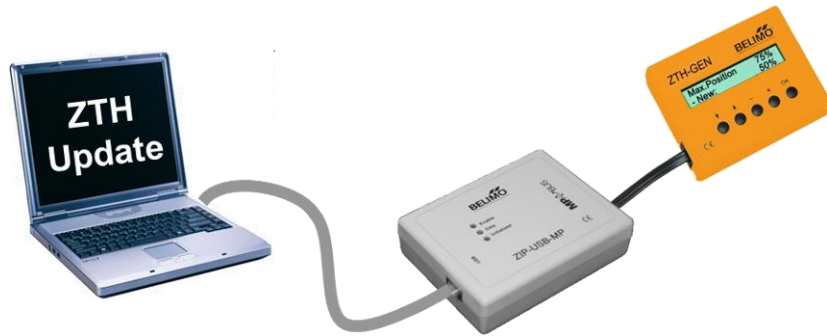


Firmware Upgrade of ZTH devices

- Simplest use
- No special material required
- Actual Upgrade version:
ZTH-GEN V4.50

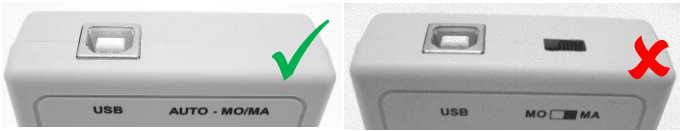
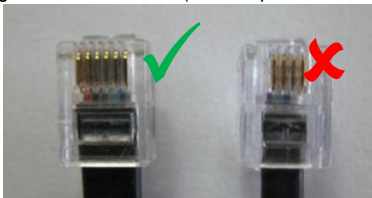


Type Overview

Type	Description
ZTH-GEN	Service-Tool for Belimo actuators (MF, MP, LON, MOD,...) and VAV controllers
ZTH-VAV	Service-Tool for Belimo VAV controllers

General information


- The Firmware Upgrade may be applied only to devices listed in the type overview.
- The instructions concerning setup and workflow must be observed. Belimo assumes no responsibility for devices, which are no longer usable due to inappropriate handling.

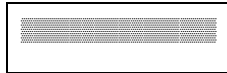
Required Material

Material	Obtaining
Notebook with Windows XP / 7 and free USB interface	-
Level converter ZIP-USB-MP with automatic MA/MO switching, incl. USB cable	Belimo Sales
	
USB device driver for ZIP-USB-MP, driver is usually pre-installed by the Belimo PC-Tool	Belimo Web
Connecting cable RJ12 to RJ12 (6P/6C), e. g. Belimo ZK6-GEN (from September 2010)	Belimo Sales
	
Programming software "ZTH-Updater Vx_xx.exe", Executable program incl. ZTH firmware	Belimo Web
Optional: - quick start guide, can be affixed to the rear of the device - for upgrade of ZTH-VAV: Sticker "ZTH-GEN" for the front of the device	Belimo Sales
	

Workflow

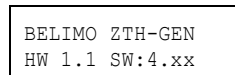
Preparation Connect level converter ZIP-USB-MP to the computer. If the required device driver is not installed on the computer, it can be downloaded from the Belimo Web (administrator privileges required).
The ZTH-Updater software can be downloaded from the Belimo Web. No installation is required.

- Upgrade**
1. Start ZTH-Updater Vx_xx
 2. Select COM-Port
 3. Click "Update SW..."
 4. Keep the Minus button (-) pressed while connecting the ZTH device to the ZIP-USB-MP
 5. Wait for completion of update process



→ ZTH will restart!

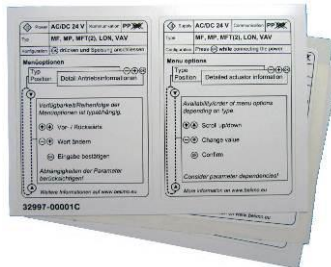
6. Check Welcome screen of the ZTH
7. Disconnect ZTH device from ZIP-USB-MP



For the upgrade of further devices continue with step 3.

Post processing The ZTH device is immediately ready to use. If required, the settings in the configuration menu can be checked and adjusted.

Optional: Affix the newest quick start guide to the rear of the device.



Optional, for ZTH-VAV adjustment devices: The ZTH-VAV lettering on the front may be paste over with an orange ZTH-GEN sticker.



Troubleshooting

- | | |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ZIP-USB-MP not recognized | - Download and install USB device driver from Belimo Web (administrator privileges required) |
| COM-Port cannot be opened | - ZIP-USB-MP must be connected before starting the ZTH-Updater tool.
- Check COM Port (Windows control panel)
- Close potential conflict software (PC-Tool, synchronisation software, ...) |
| Update process does not start | - Keep the Minus button (-) pressed while connecting the tool to the actuator.
- Check connecting cable, 6-core version required! |