

## How to renegotiate VPN keys after 64 megabytes

This document applies to eWON CD and eWON Flexy connected to an eFive OpenVPN server or to a custom OpenVPN server.

It does not apply when you use eWON in combination with the Talk2M solution.

### 1. Introduction

To mitigate the risk of using small-block for encryption it is recommended to renegotiate the VPN keys more often.

On the eWON, this can be configured by adding the OpenVPN command "reneg-bytes 64000000". This will force the eWON to renegotiate the data channel key after every 64 megabytes sent or received.

### 2. Procedure

1. Configure your eWON as usual to connect to the eFive or to your custom VPN server.
2. Using FTP, into the /usr directory of the eWON, upload a text file containing the OpenVPN option: `--reneg-bytes 64000000`.

You can use the file called VPNConf.txt included inside the zip file.

Note: If you already use a VPN configuration file on the eWON, then simply add this parameter into your existing file.

3. Using FTP, upload a comcfg.txt file to the eWON root, containing following parameter:  
VPNCfgFile:+/usr/VPNConf.txt

This will restart the VPN connection of the eWON and will take the OpenVPN parameter contained in the file into account.

You can use the file called comcfg.txt included inside the zip file.

Note: If you already use a VPN configuration file on the eWON, then use the name of your file instead of VPNConf.txt.

## Revision

### Revision History

Revision Level	Date	Description
1.0	07/11/18	Document creation

### Document build number: 2

#### Note concerning the warranty and the rights of ownership:

The information contained in this document is subject to modification without notice. Check <https://ewon.biz/support> for the latest documents releases.

The vendor and the authors of this manual are not liable for the errors it may contain, nor for their eventual consequences.

No liability or warranty, explicit or implicit, is made concerning the quality, the accuracy and the correctness of the information contained in this document. In no case can the manufacturer's responsibility be called for direct, indirect, accidental or other damage occurring from any defect of the product or mistakes coming from this document.

The product names are mentioned in this manual for information purposes only. The trade marks and the product names or marks contained in this document are the property of their respective owners.

This document contains materials protected by the International Copyright Laws. All reproduction rights are reserved. No part of this handbook can be reproduced, transmitted or copied in any way without written consent from the manufacturer and/or the authors of this handbook.

HMS Industrial Networks