

**Upgrade of Inveo modules – user manual**  
**Part One - Instructions for advanced.**  
**Part Two - Step by step instructions.**

## Part One

1. Configure the device – on the device page in the "Administration" tab, check the "Enable TFTP Bootloader" option.

2. Unpack the firmware folder.

3. In the cmd command window, enter:

**tftp -i "the IP address of the device" put "path to the update file"**

For example:

```
tftp -i 192.168.111.15 put firmware-2-2.bin
```

4. If name „tftp“ is not recognized in *Control Panel* → *Windows features* enable TFTP Client service (detailed description in Part Two of this manual).

*Points 5 and 6 should be done only if upgrade of the web page is demanded.*

5. Type in the browser: „*IP of the device*“/pageupload

6. Tick **Web.bin** and **Upload**.

7. Reset the device to the default settings if it is demanded (by pressing Reset button until all LEDs will light up).

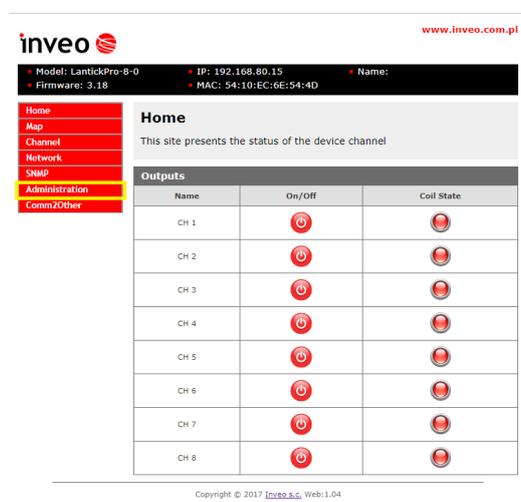
8. Congratulations, your device has been upgraded.

## Part Two

To upgrade the firmware in Inveo devices follow these steps:

Configuration of the device.

1. Type the IP of the device to be configure to the browser. Tick the *Administration* tab



Example main page of the device

2. Tick *Enable TFTP* and confirm with *Save* button

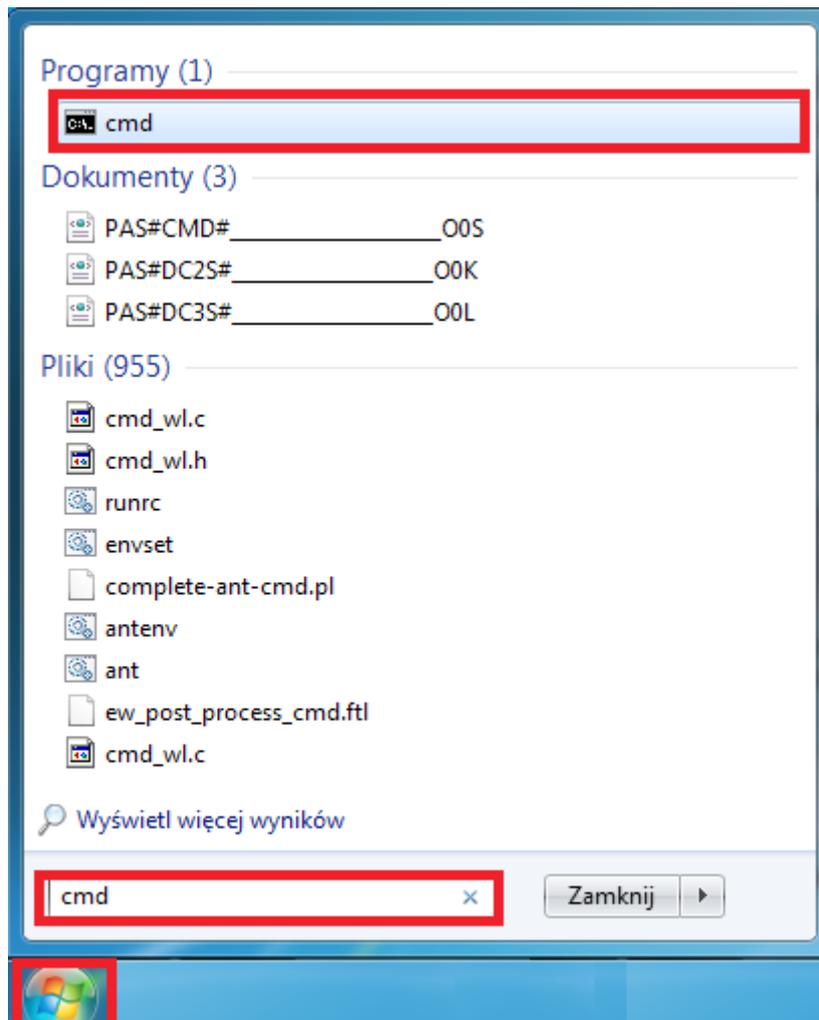
Name	Value	Description
New Password	<input type="text"/>	0..15 characters
Re-type Password	<input type="text"/>	0..15 characters

Admin Password		
Name	Value	Description
Current Password	<input type="text"/>	0..15 characters
New Password	<input type="text"/>	0..15 characters
Re-type password	<input type="text"/>	0..15 characters

Services		
Name	Value	Description
Enable User Password	<input checked="" type="checkbox"/>	
Enable Admin Password	<input checked="" type="checkbox"/>	
Enable Program Access	<input checked="" type="checkbox"/>	Is needed by TCPrel and 1 to 1 TCP connection.
Enable MODBUS TCP Server	<input checked="" type="checkbox"/>	
Enable SNMP	<input checked="" type="checkbox"/>	
Enable Destination Client	<input checked="" type="checkbox"/>	Allow module to send data to other device (1 to 1 TCP connection)
Enable Comm2Other Module	<input type="checkbox"/>	Enable Multicast P2P communication
Enable Inveo Dashboard	<input type="checkbox"/>	Enable control by <a href="#">Inveo Dashboard Website</a> . Click <a href="#">here</a> for additional info.
Enable TFTP Bootloader	<input checked="" type="checkbox"/>	Allow remote upgrade firmware by TFTP. For safety reasons, the option should be disabled.
Enable Graphic Mode Config	<input checked="" type="checkbox"/>	Enable coordinate graphics points config.
Disable LED	<input type="checkbox"/>	LED turns off after 5 minutes of pressing the service key.

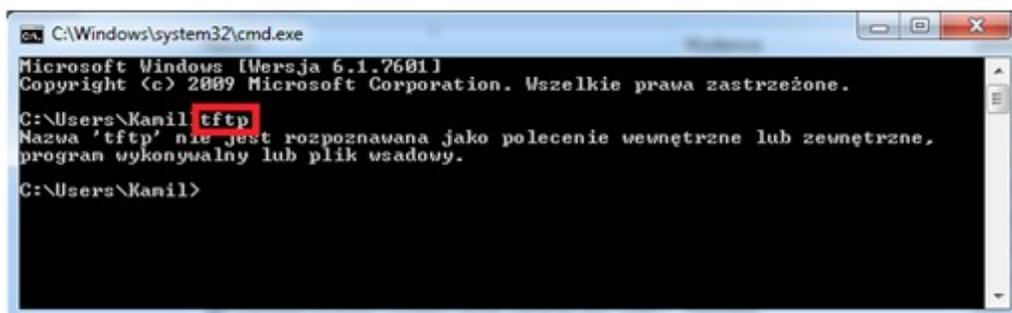
Configuration of the device

3. In *Start Menu* type "cmd" and enable the *cmd program* which supports Windows commands.



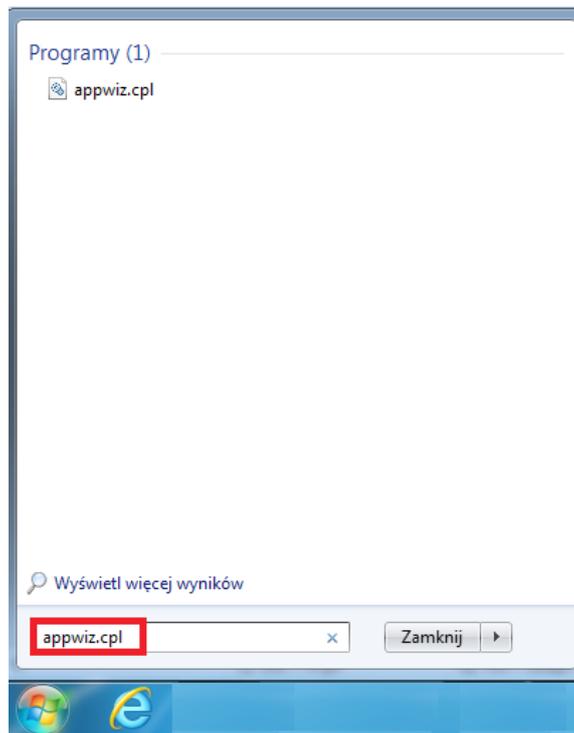
Enabling cmd

4. In commands window type "tftp". If name "tftp" is not recognized follow steps 5,6,7 otherway pass directly to the step 8.



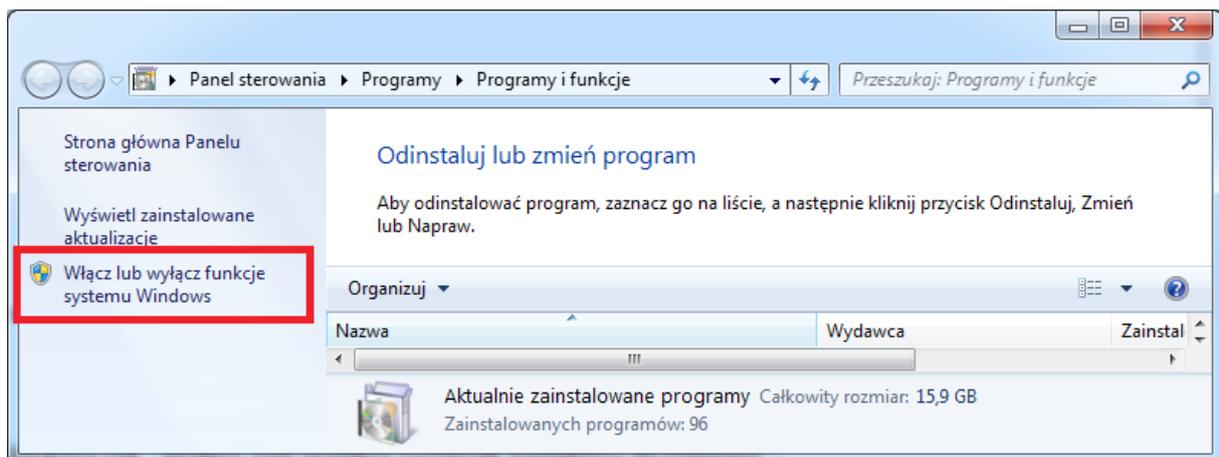
Unrecognized tftp name

5. Run Start Menu, type "appwiz.cpl" and press Enter



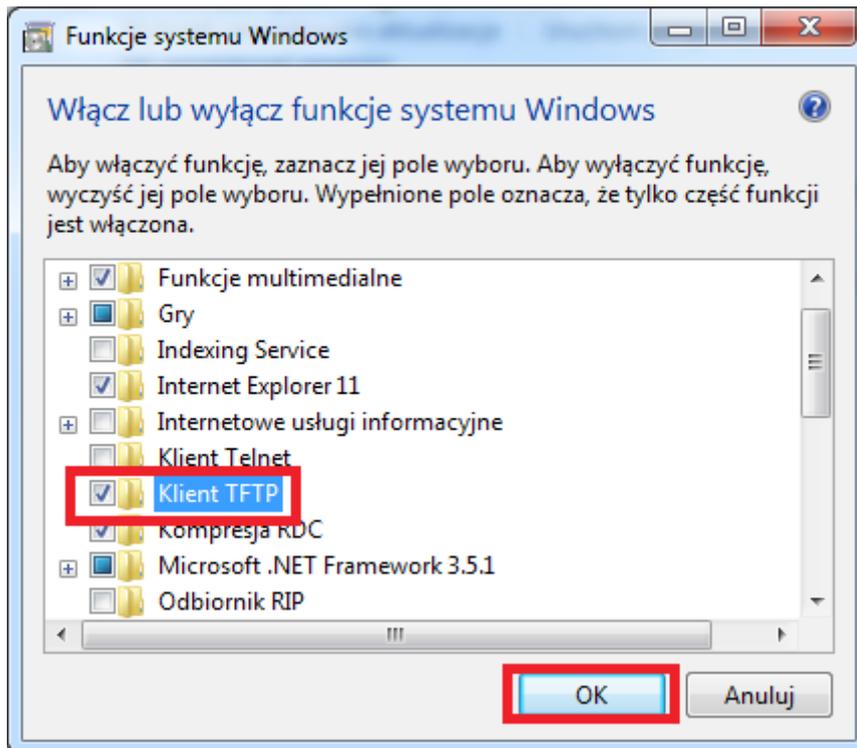
Start Menu

6. Pick "Enable or disable windows functions"



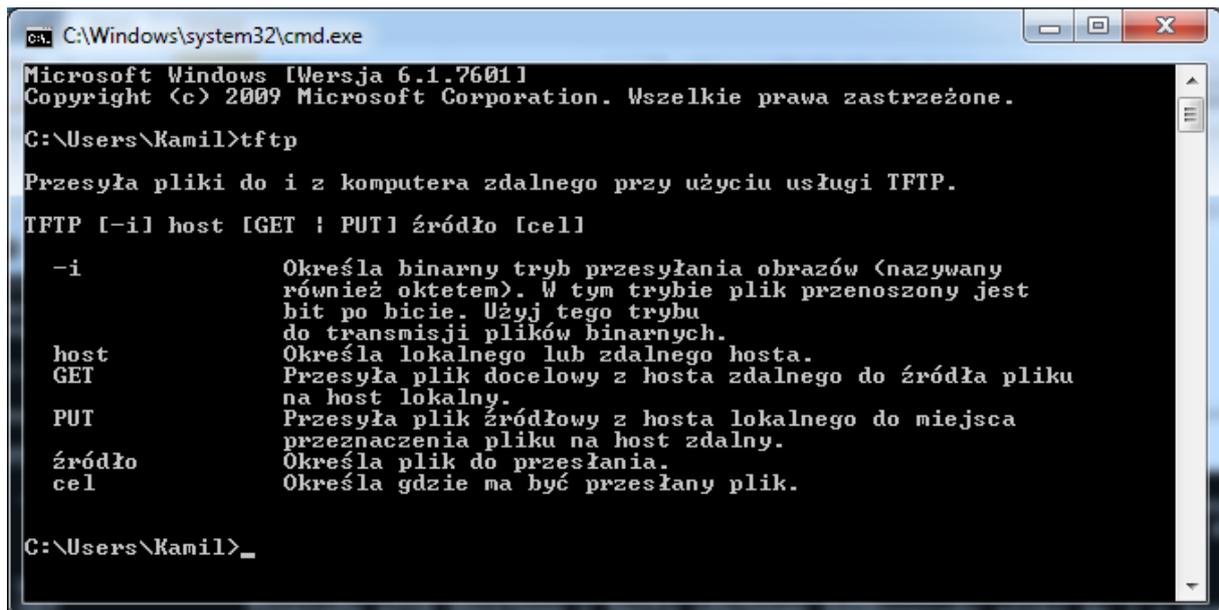
Programs tab in the Control Panel.

7. In the window "Windows features" tick "TFTP Client" and press OK.



Windows features

8. Type "tftp" to cmd program and check if the following display:

The image shows a Windows command prompt window titled "C:\Windows\system32\cmd.exe". The prompt is at "C:\Users\Kamil>". The user has entered "tftp", and the output is displayed. The output includes the command syntax and a list of options with their descriptions.

```
Microsoft Windows [Wersja 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Wszelkie prawa zastrzeżone.

C:\Users\Kamil>tftp

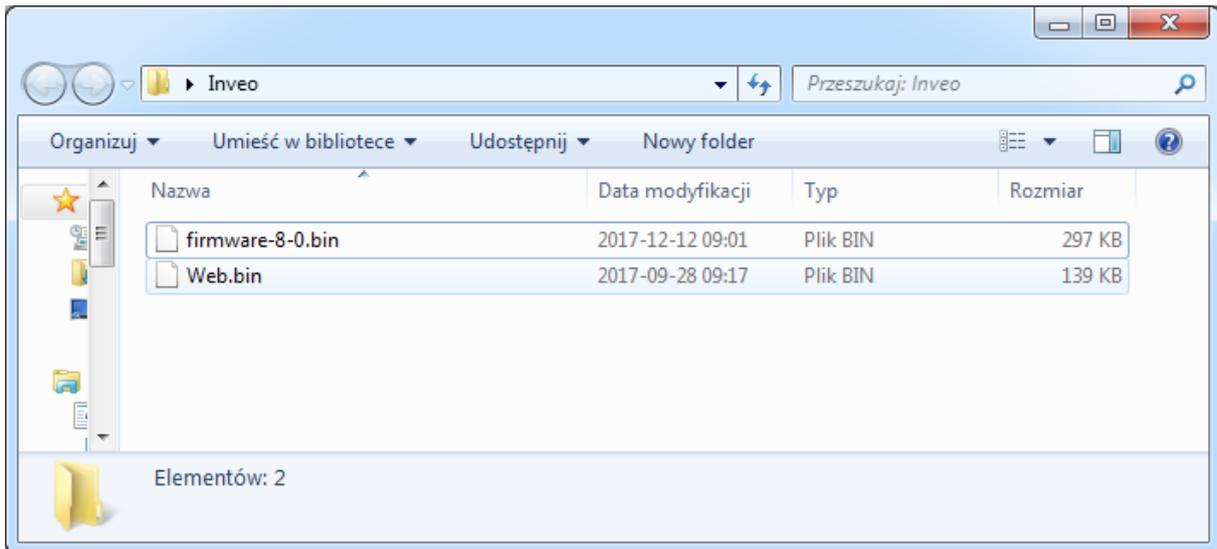
Przesyła pliki do i z komputera zdalnego przy użyciu usługi TFTP.
TFTP [-i] host [GET | PUT] źródło [cel]

-i          Określa binarny tryb przesyłania obrazów (nazywany
           również oktetem). W tym trybie plik przesyłany jest
           bit po bicie. Użyj tego trybu
           do transmisji plików binarnych.
host       Określa lokalnego lub zdalnego hosta.
GET        Przesyła plik docelowy z hosta zdalnego do źródła pliku
           na host lokalny.
PUT        Przesyła plik źródłowy z hosta lokalnego do miejsca
           przeznaczenia pliku na host zdalny.
źródło     Określa plik do przesłania.
cel        Określa gdzie ma być przesłany plik.

C:\Users\Kamil>_
```

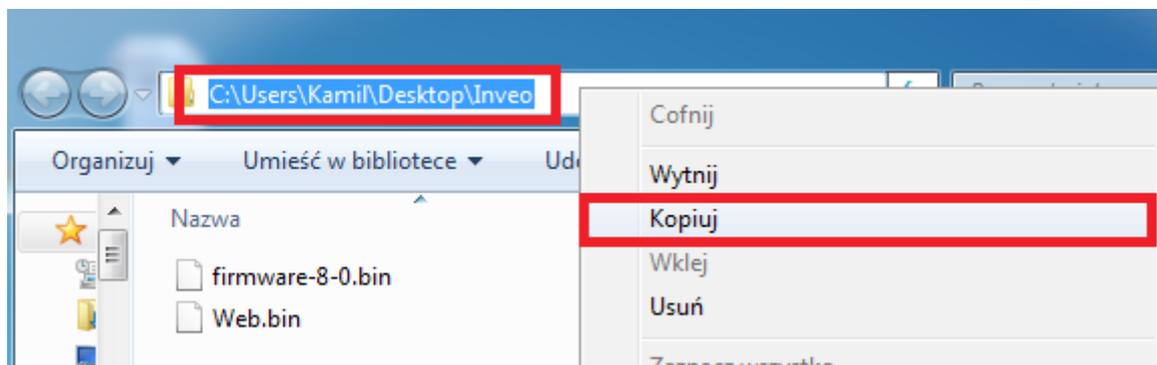
TFTP Client

9. Create a new folder (for example on a desktop) named *Inveo*. Unpack a file with .zip extension to this folder.



*A folder on a desktop with unpacked files*

10. Copy an *Inveo* folder path

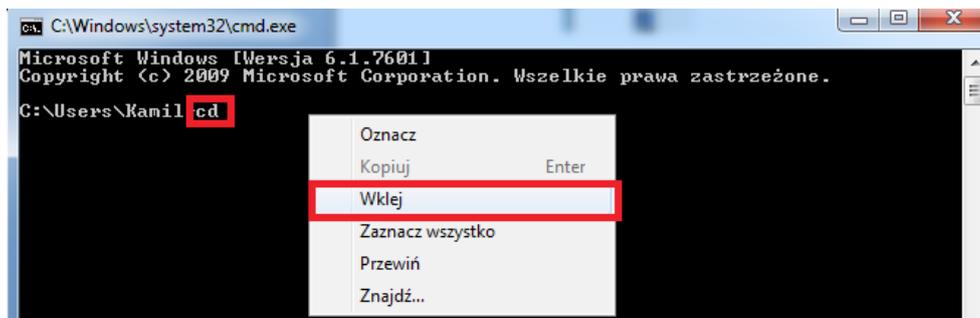


Copying a folder path

11. Paste a path to the cmd program in a form:

**cd "a folder path"**

and press *Enter*.



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Wersja 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Wszelkie prawa zastrzeżone.
C:\Users\Kamil>cd C:\Users\Kamil\Desktop\Inveo
```

Pasting a folder's path

12. If above steps are done type in the command line:

tftp -i "IP address of the device" put "name of the update file"

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Wersja 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Wszelkie prawa zastrzeżone.
C:\Users\Kamil>cd C:\Users\Kamil\Desktop\Inveo
C:\Users\Kamil\Desktop\Inveo>tftp -i 192.168.111.15 put firmware-8-0.bin_
```

An example of the command to upgrade the device

13. After pressing the Enter the update takes place. During the process of update the Boot LED should blink. After about 2 minutes the device is upgraded.

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Wersja 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. Wszelkie prawa zastrzeżone.
C:\Users\Kamil>cd C:\Users\Kamil\Desktop\Inveo
C:\Users\Kamil\Desktop\Inveo>tftp -i 192.168.111.15 put firmware-8-0.bin
Przesłano pomyślnie: bajtów: 303968 w 118 s, bajtów/s: 2576
C:\Users\Kamil\Desktop\Inveo>_
```

Successful upgrade.

To check the version of the Firmware look at the Home page of the device.



[www.inveo.com.pl](http://www.inveo.com.pl)

• Model: LantickPro-8-0	• IP: 192.168.80.15	• Name:
• Firmware: 3.18	• MAC: 54:10:EC:6E:54:4D	

Home

Map

Channel

## Home

This site presents the status of the device channel

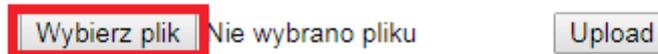
Checking the firmware version after upgrade

14. Uploading the new software to the device web page.

a) type in to the browser: "IP address of the device"/pageupload, confirm with *Enter* and press *Select file* button.



### FS IMAGE UPLOAD



Uploading the web page

b) select the *Web.bin* file and press *Upload*.

### FS IMAGE UPLOAD



Uploading the web page

15. Reset the device to the default settings: press the Reset button until all LEDs will lightup.

Congratulations, you have upgraded your device!