

Configuring Teltonika FMXXXX via TCP

The process of configuring via TCP includes the following stages:

- 1) the server (Wialon) sends a binary SMS to the device.
- 2) the device connects to the server (Wialon) to receive configuration.
- 3) the server (Wialon) sends configuration to the device.
- 4) the device breaks the connection.

Binary SMS contains the following data:

- SMS login and password (if exist)
- Server IP and port (Wialon hosting, Wialon Pro, Wialon Local)
- APN Address
- GPRS Login (CHAP user name (if exists))
- GPRS Password (CHAP password (if exists))

User must create SMS command Upload configuration (upload_cfg) in Wialon and upload a configuration file while creating or sending the command.

Configuration file text must contain data sent via SMS and the configuration itself.

Configuration contains strings of the following format:

<profile number>,<parameter ID>,<parameter value>

Every parameter starts on a new line.

The sample of configuration file text (Server IP and Port, APN, etc. are indicated as an example):

```
ServerIP:193.193.165.165
ServerPort:20255
APN:m2m10.velcom.by
GPRSLogin:m2m10
GPRSPassword:m2m10
1,261,375999999
2,262,375888888
0,101,8
3,11,15
```

It means:

- 1) set number 375999999 as the first authorized telephone number in profile 1
- 2) set number 375888888 as the second authorized telephone number in profile 2
- 3) set microphone level (global parameter, profile 0) at value 8.
- 4) set time based acquire interval at 15 seconds

SMS login and password (if exist) are indicated in unit's properties in field "Device access password".

SMS login and password in field "Device access password" are divided by a blank space:

login password

The correctness of data indicated in the configuration file is the responsibility of a user who

composes the file.

It is necessary to avoid redundant blank spaces while entering data.

For example, string "ServerPort :20255" is invalid as there is a blank space after "ServerPort".

Configuration parameters must not contain redundant blank spaces too.

For example, string "1,261, 375999999" will send to the device a telephone number containing 3 blank spaces in front of the number.

If, for example, GPRSLogin and GPRSPassword do not exist configuration file has the following format:

ServerIP:193.193.165.165

ServerPort:20255

APN:m2m10.velcom.by

GPRSLogin:

GPRSPassword:

3,11,15

3,12,120

1,261,375999999

2,261,375888888

0,101,8

It means that field name must be present. Then ":" goes and a new line starts.