MANAGE YOUR MOBI DEVICES THROUGH TELEGRAM

What is a chat bot?

Technology is a restless beast. Now tech companies are tripping over themselves rushing to develop bots and artificial intelligence. Now what is that?

Basically, it's a software application that runs automated tasks over the Internet, with the ability to live inside a messaging platform, a chance to develop instant connection to key audiences and provide services like never before.

So… why not to manage our general purpose remote control devices through a chat?

Forget costly SMS: receive alerts and send commands from any platform with Telegram, a free, cloud-based mobile and desktop messaging app with a focus on security and speed.

How to Get Started

You must enable your device for data connection, specifying the APN.

Using Mobi.Suite configure the APN and optional username and password…

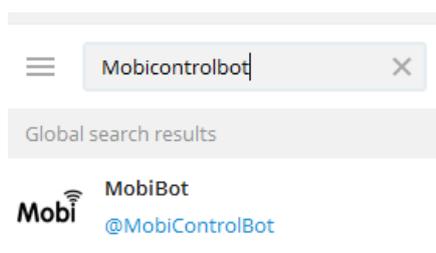… or send the APN command as described here:

http://www.contrive.mobi/mobicontrol/en/Configuration1.html

Go to https://telegram.org and download the app for your device and complete the registration.

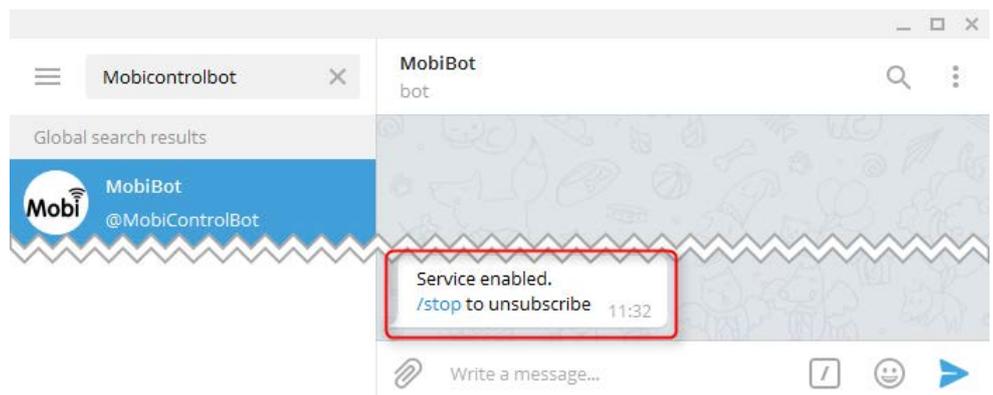| Now search for MobiControlBot inside the Telegram app	or within your web browser typing https://telegram.me/mobicontrolbot

Click the start button to subscribe the service provided by MobiBot.
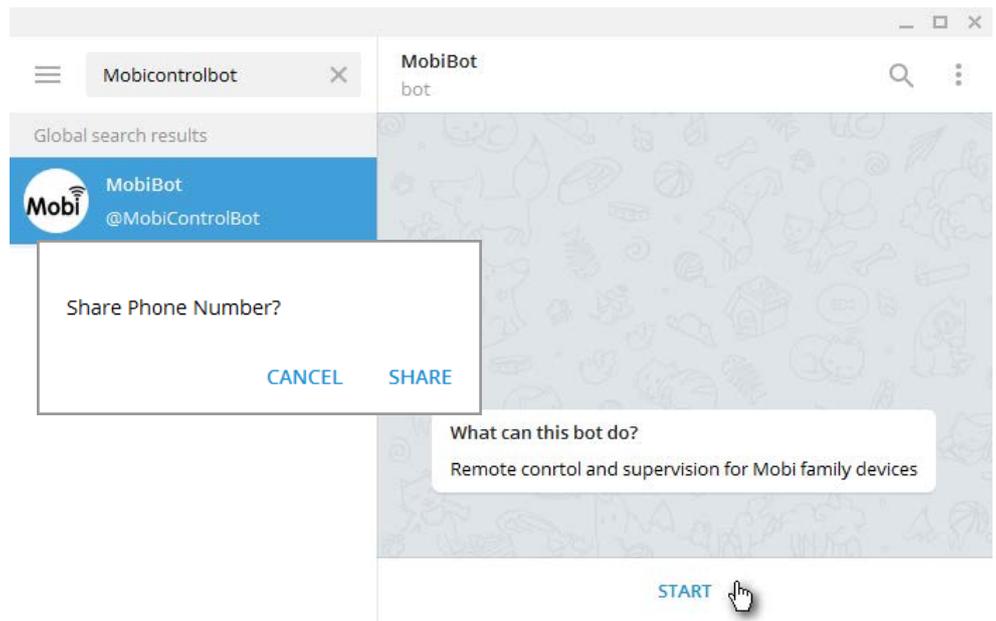
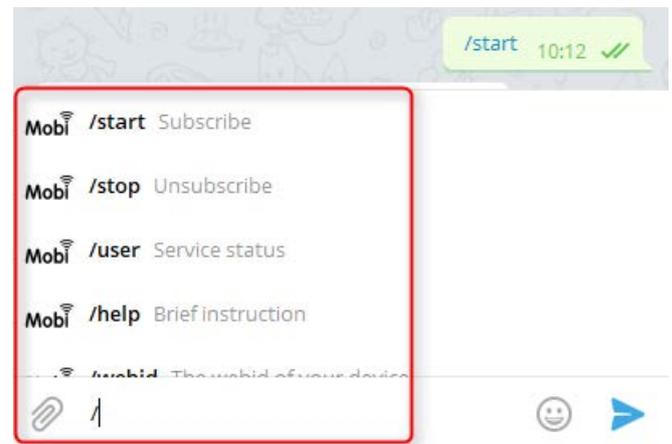Since you are disclosing personal information, you must confirm your will to share the phone number.

You are now an active user of MobiBot. At any time you can unsubscribe from service sending `/stop`
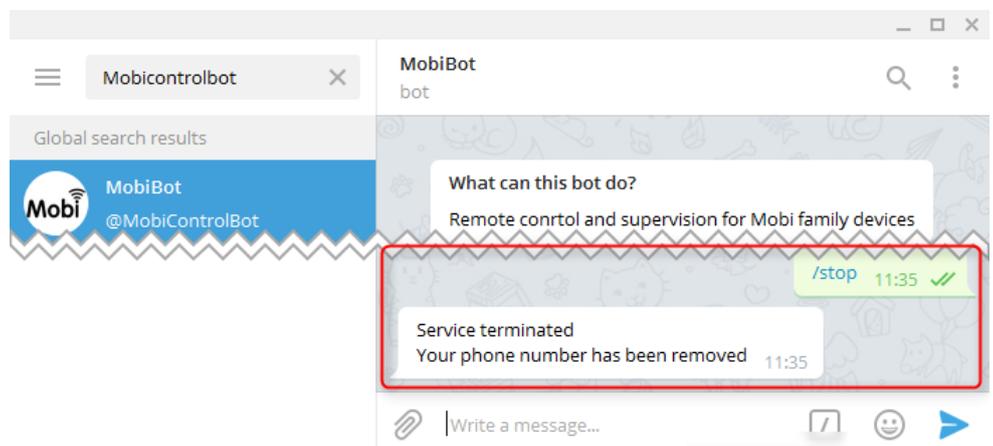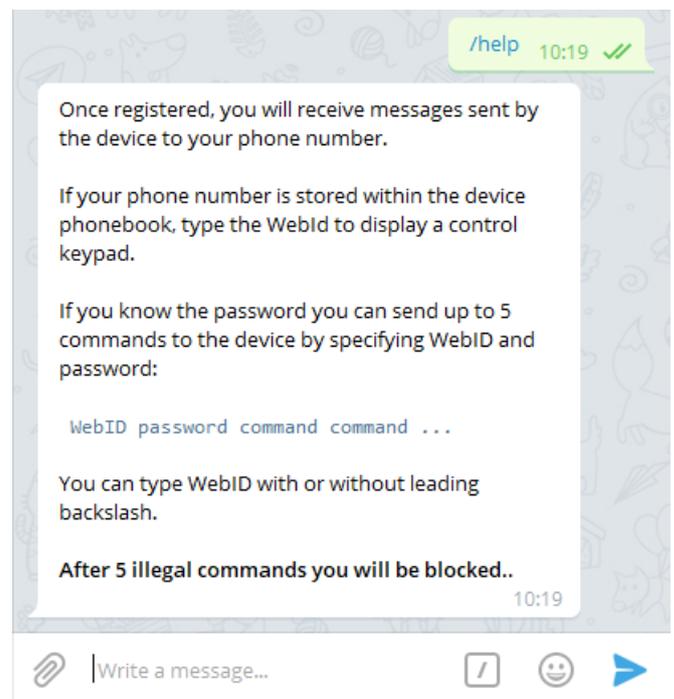
Bot commands and help

Type a backslash to send a command to MobiBot.
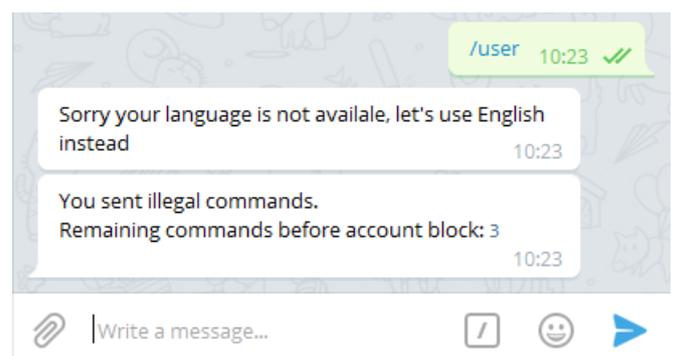Available commands are listed once you enter a backslash.

Type `/help` for a short description of this service.
English used by default if your language is not available.

Status of service is reported typing `/user`.

Receive standard alerts from device

Once you started the service, you can receive alerts sent by your devices.

Using Mobi.Suite or the Web interface configure the recipient's email, but instead of entering the email address, put the recipient's phone number (international format without + or 00) with leading

!c   exclamation point + lowercase "c"
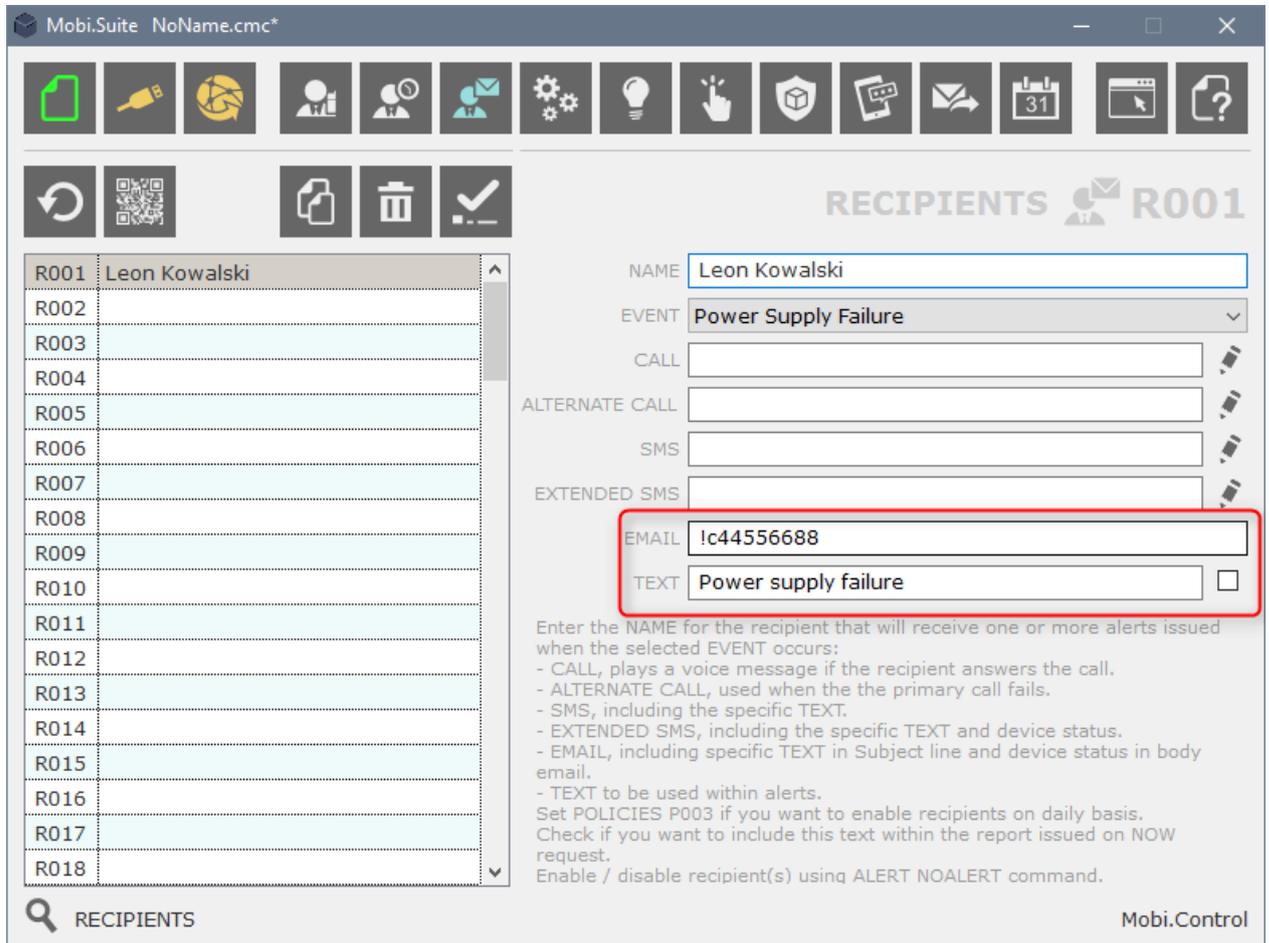
When the event occurs, you will receive a message like this:
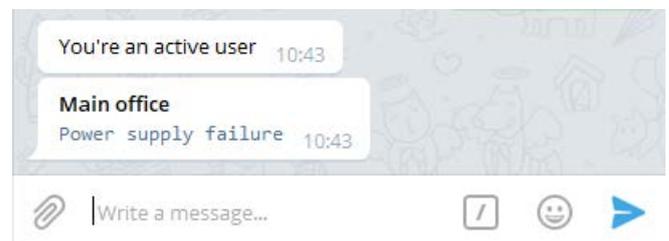
The first bold line is the name you assigned to device.
The second line is the text you specified.

Receive extended alerts from device
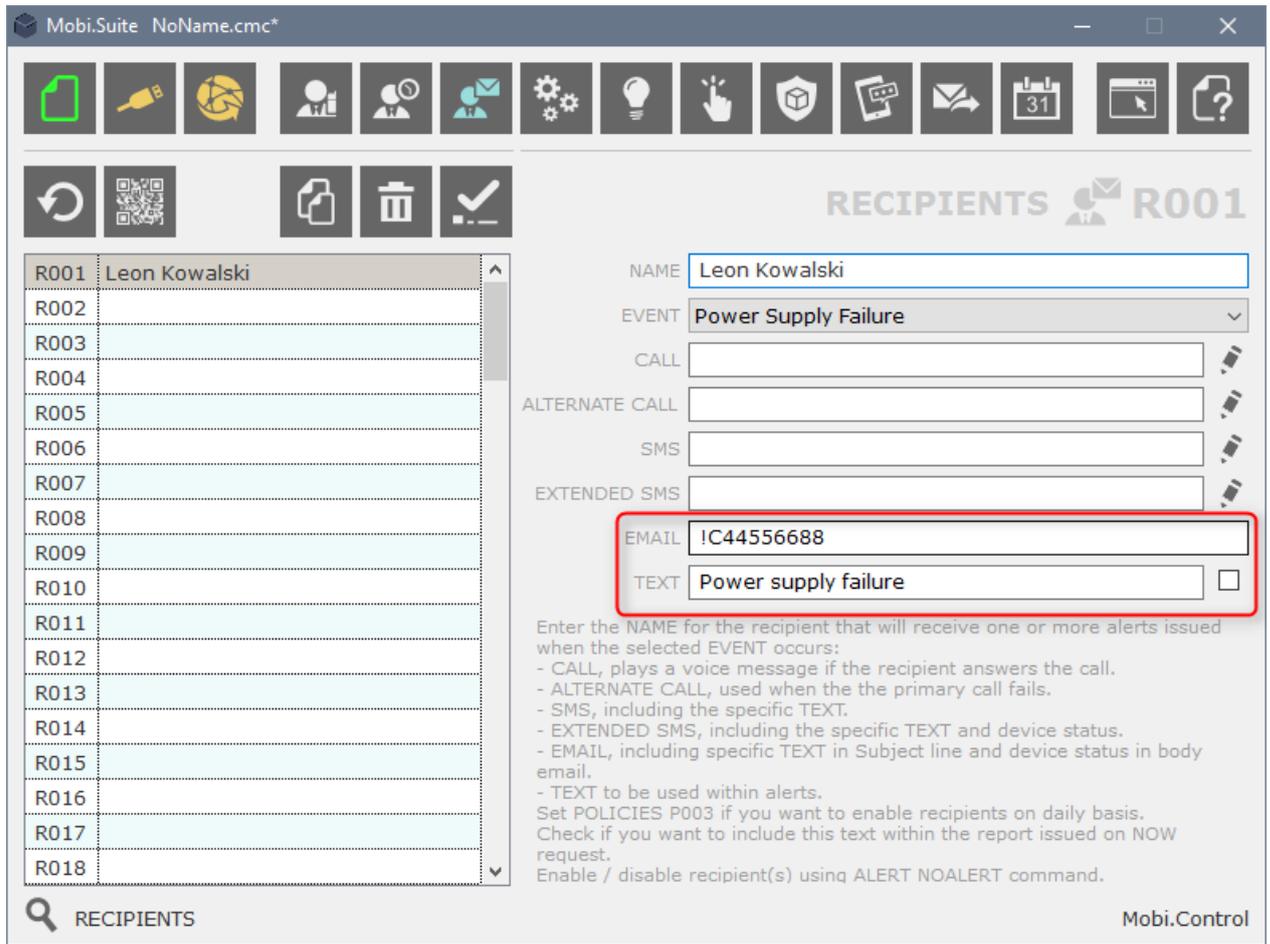
If you want more information from your device, set the email field with the recipient's phone number (international format without + or 00) with leading

!C   exclamation point + uppercase "C"

When the event occurs, you will receive a message like this:
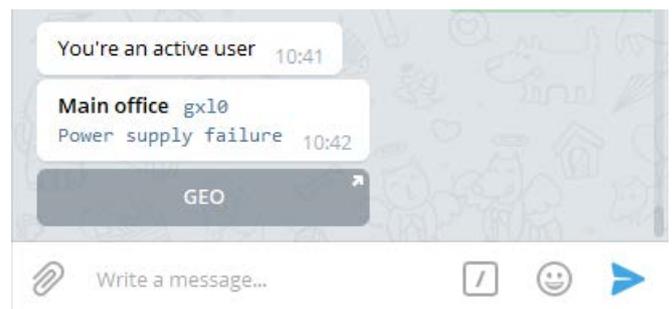
The first line includes the name you assigned to device, followed by its WebId.
Below the alert message there is an additional button "GEO", click to open in your browser a page with map and geographic information about the location of your device.

Emoticons within alert messages

There are 2 basic emoji you can add above your message.
Put an exclamation point at the beginning of your TEXT to show a warning sing:
`!Power supply failure`
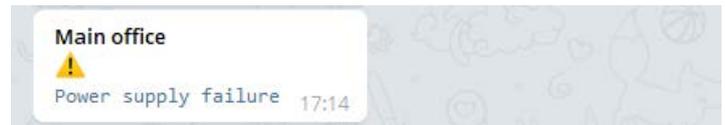
Put a percent character at the beginning of your TEXT to show a green check:
`%Power supply OK`

If you wish to add a different emoji taken from a huge list, read the document:

MobiBotEmoticons EN.pdf

Control keyboard users group 1

If your phone number is stored within the SIM phonebook (user group 1), type the WebId (with or without the leading backslash) to display a complete control keypad.

Above the keypad you can see the name of the associated unit.
The button caption is the name assigned to output channel.
This is a persistent keypad, it remains within your chat (unless you clear it) and you can use it to control the device at any time.
Of course you can ask to display it whenever you want by sending the WebId.,

| BUTTON	FUNCTION
CLIP1	Simulate an incoming voice call from your phone number default action: pulse on output 1 – in the example above: BOX
CLIP2	Simulate an incoming data call from your phone number default action: pulse on output 2 – in the example above: GATE
STATUS	Return the status for all active channels of your device Taken from the cloud, time elapsed since last update from device is reported
ON1	Turn on output 1– in the example above: BOX
ON2	Turn on output 2 – in the example above: GATE
OFF1	Turn off output 1 – in the example above: BOX
OFF2	Turn off output 2 – in the example above: GATE
LOG	Return the log (history) Taken from webserver
GEO	Display the location of device: nearest address and map

All commands are queued, waiting to be fetched by device.

Control keyboard users group 2

If your phone number is stored within the device phonebook (user group 2), type the WebId (with or without the leading backslash) to deploy the action configured in TWITTER field.
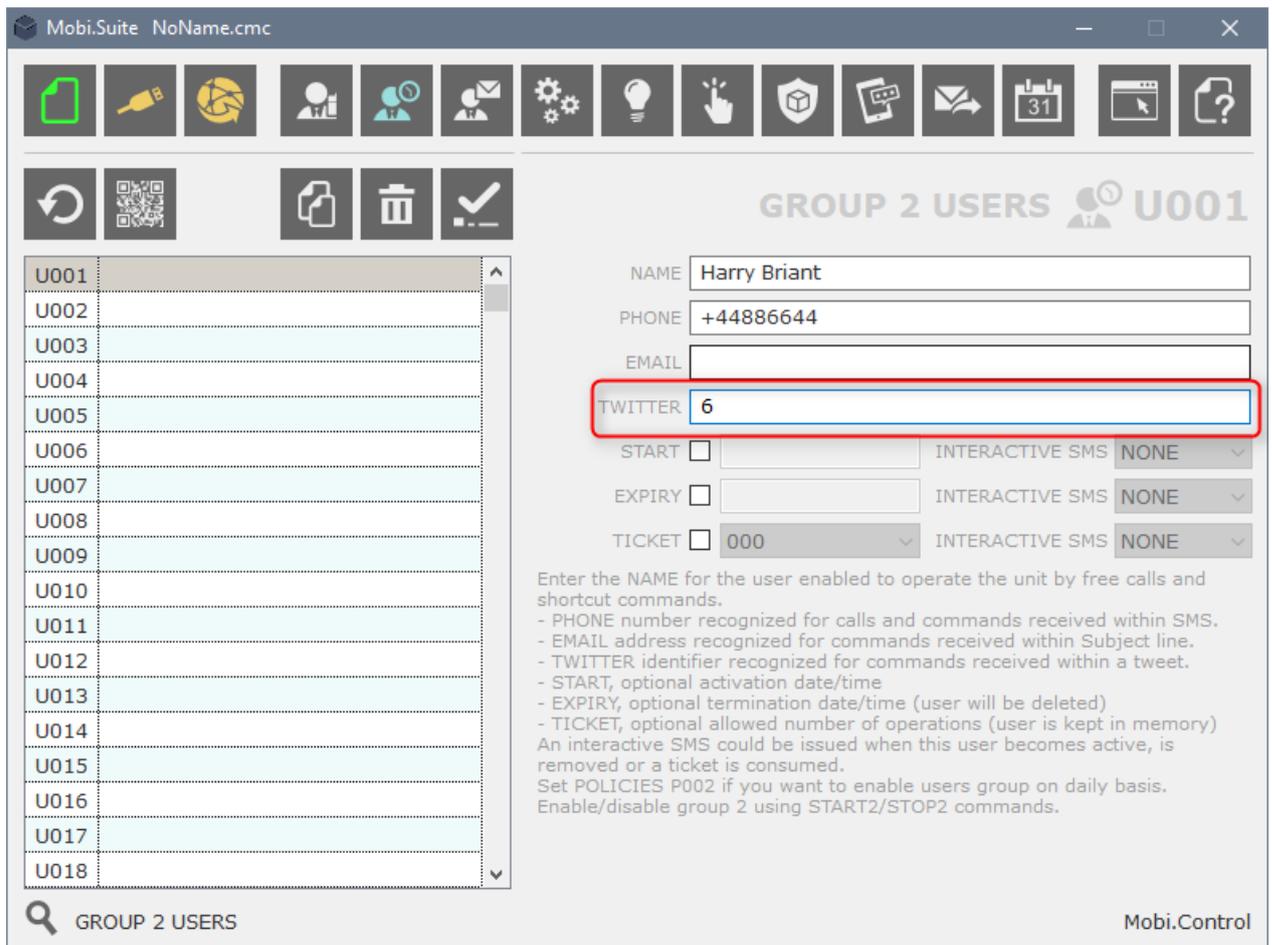
A complete control keyboard (the same shown to users group 1) is shown setting this parameter to 6
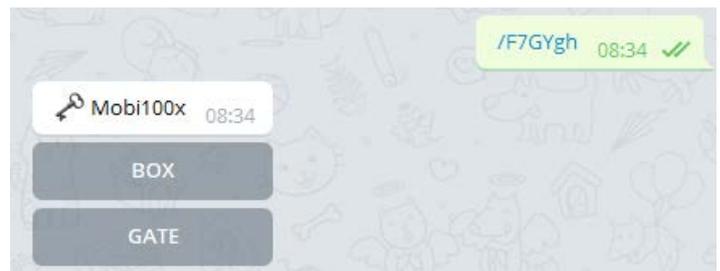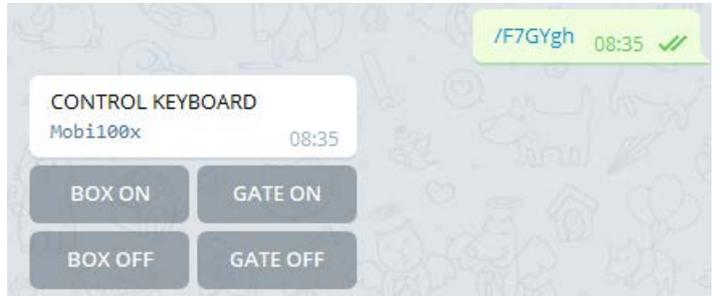

The keypad above, with CLIP1 and CLIP2 is shown setting this parameter to 5
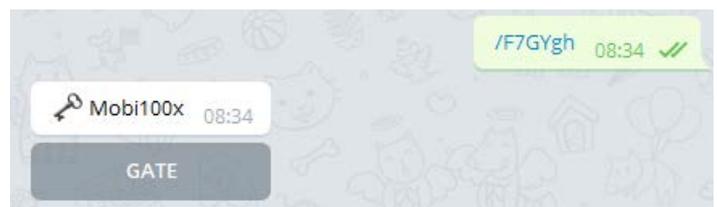
The keypad above, with CLIP2 is shown setting this parameter to 4

The keypad above, with CLIP1 is shown setting this parameter to 3

The keypad above, with ON | OFF buttons is shown setting this parameter to 2

Only the location of remote device is shown setting this parameter to 7

The status is returned setting this parameter to 8

Feature disabled for users belonging to group 2, specifying any other value or leaving this filed blank.

Send commands to device

If you are an user and you know the password of your device, you can send commands specifying the WebID and password of the remote unit you want to control, followed by commands (up to 5).
In the example below we send to device having WebId `F7GYgh` the following commands:

`stop2` disable users group 2, and
`OUT2=1,000010` turn on output 2, release after 00 hours 00 minutes 10 seconds

For the complete reference of available commands, see here:

http://www.contrive.mobi/mobicontrol/en/Commands1.html

Commands are queued, waiting to be fetched by device.
Commands are routed to device in real time if you enabled persistent link, see here:

http://www.contrive.mobi/mobicontrol/en/PersistentLink.html

You can see the list of commands waiting to be fetched by device by typing `/queue`
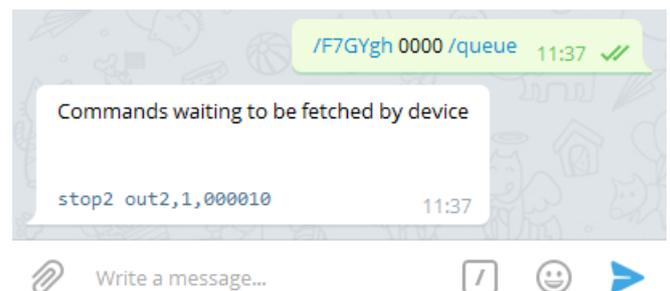
Entering the wrong password commands are rejected, after 8 attempts to access the remote unit using a bad password, remote web access to device will be locked.

Commands are stored in the cloud to be delivered once your device will link the Internet.
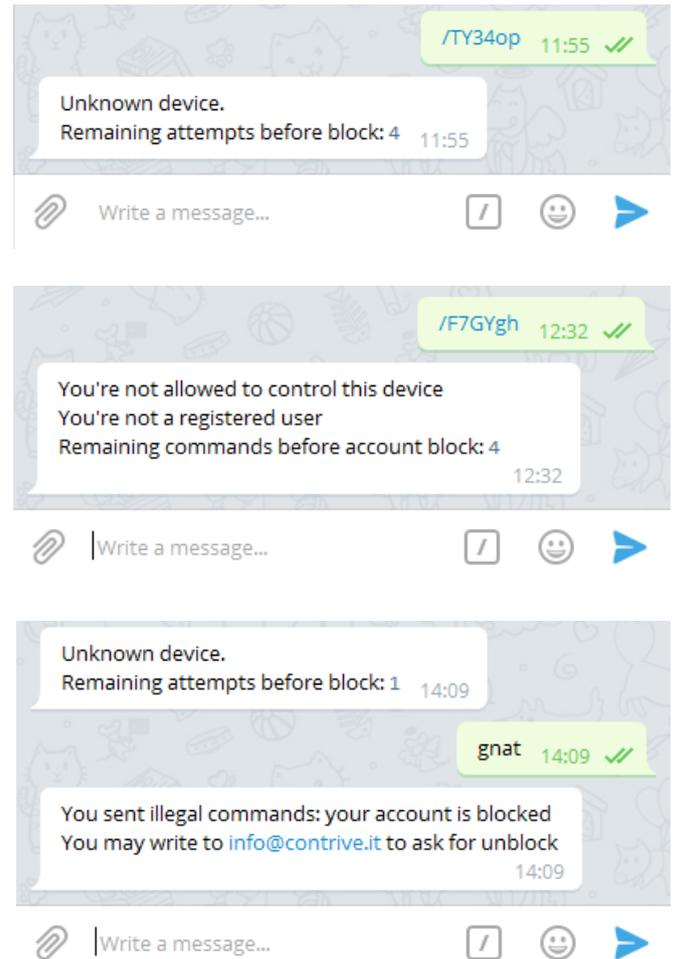Even if you can send any command to remote device, you will never receive the answer, just the confirmation that command has been queued for delivery.

To verify the firmware version running on your remote device type `/ver`
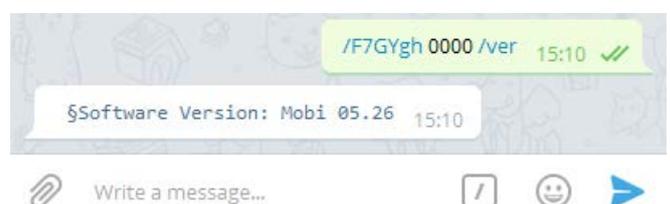
Errors and blacklist

To protect your device, MobiBot will block any user after 5 consecutive illegal command or WebId.

There is no automatic recover from blacklist, even if you try to unsubscribe and subscribe again to service. Once blocked the only way is to send an explicit and documented request to info@contrive.it

Your security is very important to us.
All telegram messages are encrypted and no one, even Telegram engineers, can read it.
Communication between the devices and Telegram is implemented by a server protected by proprietary protocol.

Enjoy it!

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