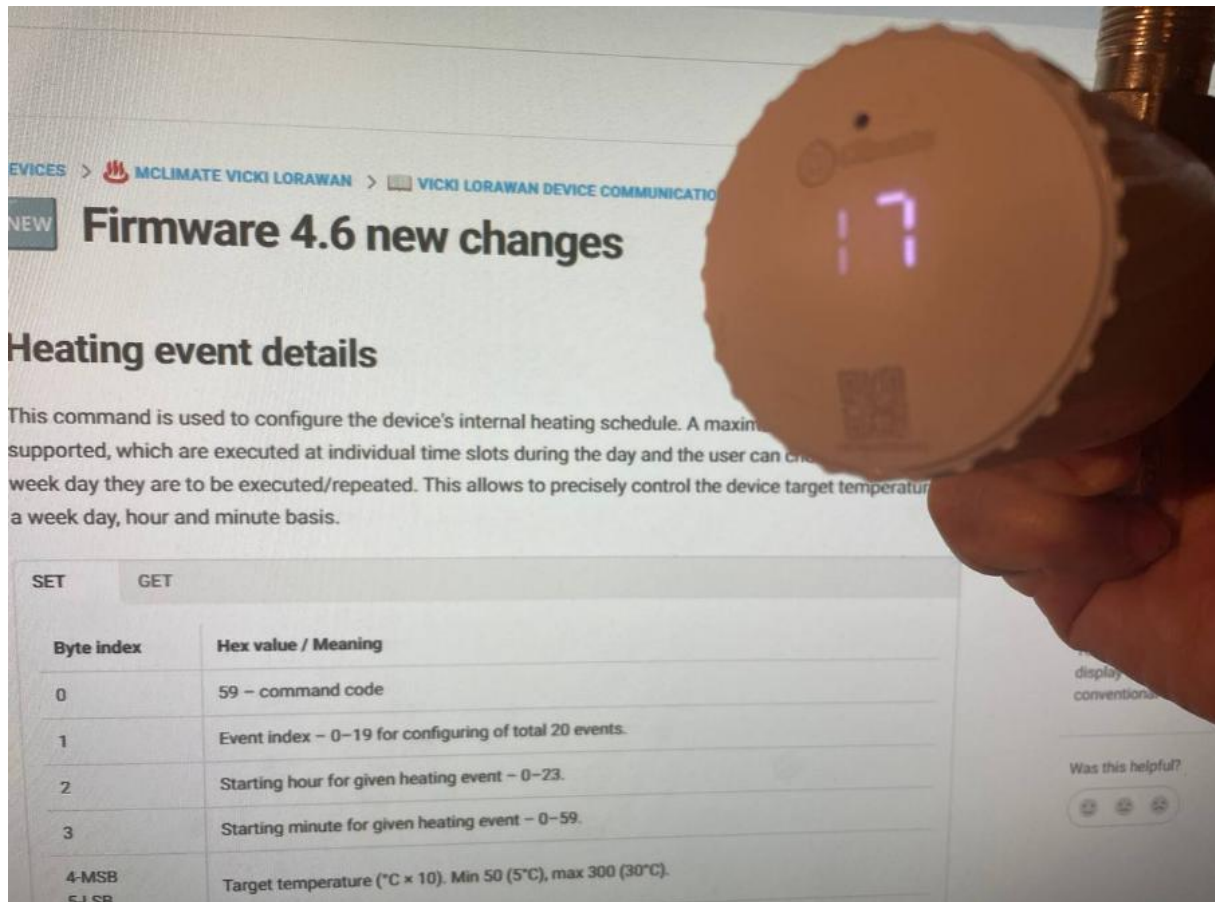


MClimate Vicki FW4.6 with Heating Events

How to create, how to manage, CloudFree



EVICES > MCLIMATE VICKI LORAWAN > VICKI LORAWAN DEVICE COMMUNICATION

NEW Firmware 4.6 new changes

Heating event details

This command is used to configure the device's internal heating schedule. A maximum of 20 events are supported, which are executed at individual time slots during the day and the user can choose on which week day they are to be executed/repeated. This allows to precisely control the device target temperature on a week day, hour and minute basis.

SET	GET
Byte index	Hex value / Meaning
0	59 – command code
1	Event index – 0–19 for configuring of total 20 events.
2	Starting hour for given heating event – 0–23.
3	Starting minute for given heating event – 0–59.
4-MSB 5-LSB	Target temperature ($^{\circ}\text{C} \times 10$). Min 50 (5 $^{\circ}\text{C}$), max 300 (30 $^{\circ}\text{C}$).

display
conventional

Was this helpful?

👍 👎 🔄

Here the way to create 4 heating Events and define the herating periode

Heizperiode und Heizpläne Set



Heizperiode Start
01.03



Heizperiode Ende
15.09



DevEUI
70b3d52dd300ed31



Downlink aktiv

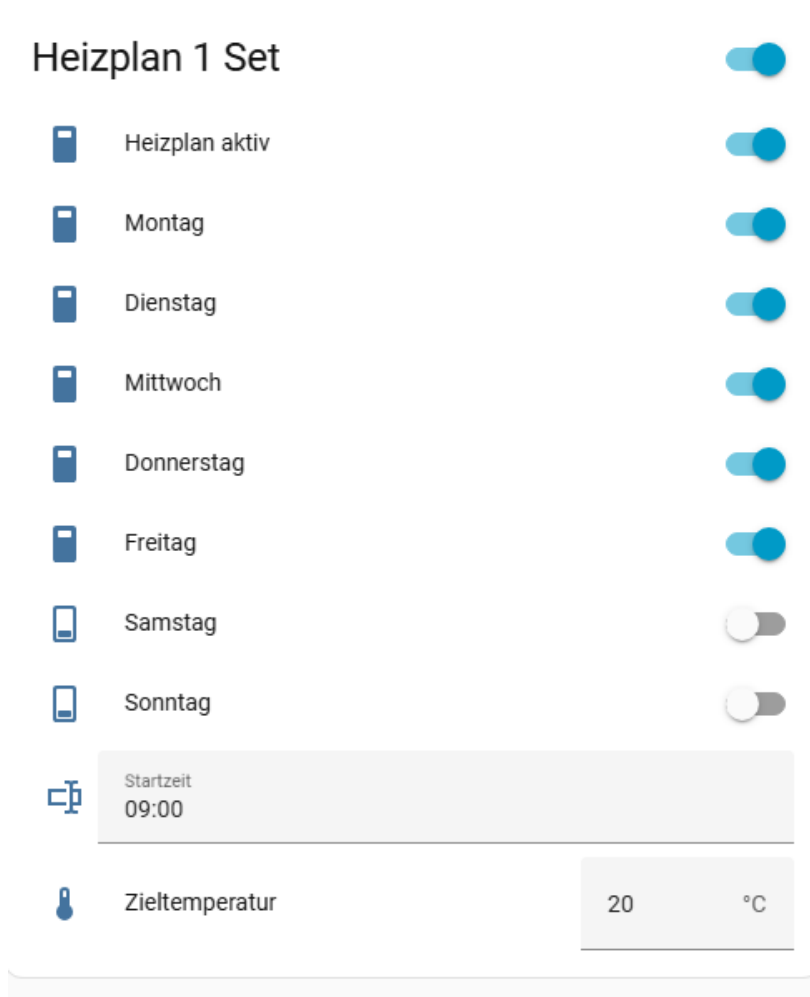


CustomSend
0D015900090000C81F5901110000781F59020500005A2059



Heizpläne senden

Heating Periode and heating plans as a swipe card in HomeAssistant



connected over the HA 2 Iobroker Bridge

Heizplan 2 Set

Heizplan aktiv

Montag

Dienstag

Mittwoch

Donnerstag

Freitag

Samstag

Sonntag

Startzeit
17:00

Zieltemperatur

12 °C

...over the Logic in Iobroker

Heizplan 3 Set

Heizplan aktiv

Montag

Dienstag

Mittwoch

Donnerstag

Freitag

Samstag

Sonntag

Startzeit

05:00

Zieltemperatur

9 °C

...creates the right Downlink to set

Heizplan 4 Set

Heizplan aktiv

Montag

Dienstag

Mittwoch

Donnerstag

Freitag

Samstag

Sonntag

Startzeit
23:00

Zieltemperatur

18

°C

... in the LNS (Chirpstack)

[illegible]

and get command as Uplink confirmation
from the Vicki

Heizperiode und Heizpläne Get



Heizperiode Start

1 March



Heizperiode Ende

15 September

Heizplan 1 Get



Heizplan aktiv

Ein



Montag

Ein



Dienstag

Ein



Mittwoch

Ein



Donnerstag

Ein



Freitag

Ein



Samstag

Aus



Sonntag

Aus



Startzeit

09:00



Zieltemperatur

20,0 °C

Heizplan 2 Get



Heizplan aktiv

Ein



Montag

Ein



Dienstag

Ein



Mittwoch

Ein



Donnerstag

Ein



Freitag

Ein



Samstag

Aus



Sonntag

Aus



Startzeit

17:00



Zieltemperatur

12,0 °C

MClimate Vicki



Here you can clearly see how the created heating plans are processed in the Vicki thermostat.

Project description:

Proof of concept for a cloud-free, purely local heating solution.

The option to operate the heating solution via the manufacturer's cloud remains, but is optional. Operation with full functionality would therefore be possible even without internet access. In addition to the Vicki radiator thermostats, the following components are used: LoRaWAN gateway (Mikrotik), Chirpstack LNS, Iobroker with LoRaWAN adapter and HA-Bridge, and HomeAssistant.

The system is designed to utilize externally measured temperatures from a remote sensor.

Solution goal:

The heating plans should be user-friendly can be created and transferred by anyone.



Downlink description:

5900090000C81F5901110000781F59020500005A205903170000B
4405A006B04006B05006B06006B07006C5B0201080F5C

5900 Set Heating Event 00

0900 Starts at 9:00

00C8 Target Temperature = 200 Dec = 20.0 degrees Cel
1F Mo-Fr

Res Sun Sat Fri Thu Wed Tue Mon

0 0 0 1 1 1 1 1 Binary to Hex = 1F

5901110000781F Set Heating Event 01 17:00 12°C Mo-Fr

59020500005A20 Set Heating Event 02 05:00 9°C Sat

5903170000B440 Set Heating Event 02 23:00 18°C Sun

5A00 get Heating Events 00-07

A Heating Event is automatically set to active when
configured via a configuration command

6B0400 Disable Heating Event 04

6B0500 Disable Heating Event 05

6B0600 Disable Heating Event 06

6B0700 Disable Heating Event 07

6C Get States of heating events

5B Set Heating schedule start and end dates

0201 Start date 01.03

080F End date 15.09.

5C Get Heating schedule start and end dates

