

## User Guide Myc<sup>o</sup>rrhiza - Test tool for Micropelt Long Range (MLR) LoRaWAN product family.

Getting started and important notice:

- Myc<sup>o</sup>rrhiza comes as executable program for Windows PCs.
- Upon start, Myc<sup>o</sup>rrhiza will ask you to connect with your (LoRaWAN Gateway) MQTT broker. (IP address range 192.168.xxx.xxx)
- Be aware that every downlink published (3.) will be queued in the Gateway MQTT broker and processed subsequently.

2. Select DevEUI for Downlink message

Sniffer window: Move cursor to payload topic for description.

Downlink section

1. Enable Sniffer view for DevEUI.

4. Operating mode Flow temperature:  
ValveTMP = 30C  
Setpoint Flow TMP = 29C  
ValvePos change = steps of 15%

3. Push to publish Downlink for selected DevEUI.

Create your own batch script file for subsequent downlink processing.

Time	Device EUI	Port	LSNR	RSSI	CVP	VSRV	VTMP	ASRV	ATMP	ES	HA	ASF	VSF	RCE	RSS	ME	STV	ACC	ACG	OFF	SFC	REFC
19:44.38	30-31-36-33-65-39-70-19	1	10.0	-59	100	0.0	3.0	0.00	0.00	0	0	1	1	0	0	0	2.60	2550	0	1	0	0
19:45.05	30-31-36-33-65-39-70-19	1	8.2	-60	100	0.0	3.0	0.00	0.00	0	0	1	1	0	0	0	2.60	2550	0	1	0	0
19:47.41	30-31-36-33-65-39-70-19	1	9.8	-56	100	0.0	3.0	0.00	0.00	0	0	0	0	0	0	0	2.60	2550	0	1	0	0
19:48.19	30-31-36-33-65-39-70-19	1	8.5	-59	100	0.0	3.0	0.00	0.00	0	0	0	0	0	0	0	2.58	2550	0	1	0	0
19:48.55	30-31-36-33-65-39-70-19	1	10.0	-57	50	27.5	30.5	27.75	24.75	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:49.05	30-31-36-33-65-39-70-19	1	8.0	-59	50	27.5	30.5	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:49.15	30-31-36-33-65-39-70-19	1	11.5	-59	50	27.5	30.5	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:49.25	30-31-36-33-65-39-70-19	1	10.8	-59	50	27.5	30.5	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:49.35	30-31-36-33-65-39-70-19	1	9.5	-56	50	27.5	30.5	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:49.45	30-31-36-33-65-39-70-19	1	7.5	-59	50	27.5	30.5	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:49.55	30-31-36-33-65-39-70-19	1	8.2	-60	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:50.05	30-31-36-33-65-39-70-19	1	10.0	-61	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:50.15	30-31-36-33-65-39-70-19	1	10.0	-57	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:50.25	30-31-36-33-65-39-70-19	1	7.8	-57	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:50.35	30-31-36-33-65-39-70-19	1	9.8	-57	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:50.45	30-31-36-33-65-39-70-19	1	7.5	-59	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:50.55	30-31-36-33-65-39-70-19	1	10.0	-61	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:51.05	30-31-36-33-65-39-70-19	1	9.5	-61	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:51.15	30-31-36-33-65-39-70-19	1	10.2	-62	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:51.25	30-31-36-33-65-39-70-19	1	7.8	-55	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:51.35	30-31-36-33-65-39-70-19	1	10.2	-59	50	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:51.45	30-31-36-33-65-39-70-19	1	10.0	-61	35	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:51.55	30-31-36-33-65-39-70-19	1	9.5	-61	20	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:52.05	30-31-36-33-65-39-70-19	1	8.2	-59	5	27.0	30.0	28.00	25.00	0	0	0	0	0	0	0	2.60	2550	0	0	0	1
19:52.15	30-31-36-33-65-39-70-19	1	9.2	-59	0	27.0	30.0	27.75	24.75	0	0	0	0	0	0	0	2.60	2550	0	0	0	1

19:51.34 : Published to 30-31-36-33-65-39-70-19:  
Operating Mode: Set Point Flow Temperature: 29, Room Temperature: 21,  
Safety Mode: SST, Safety Flow Temperature: 55, Radio Communication Interval: 5 minutes,  
Flow Sensor Offset Compensation: 3, Ambient Sensor Offset Compensation: -3, Reference Run: 0