MiX6000 default power management operation guideline

Active state

In trip everything is on 200-300mA

Go out of trip

All devices powered on
- GSM
- GPS
- BT
- WiFi
- Comms power (PosDrv 1 – 4)
- MAGIX
- Ethernet
- Fast charge of internal battery

60 seconds later

Inactive state

- GSM- on
- GPS -off
- BT - on
- WiFi - on
- Comms power (PosDrv 1 – 4) – on
- MAGIX – on
- Ethernet – on
- Slow charge of internal battery

3 hours later

Power save

Nothing on

60 seconds later

Time to off 72 hours See Note 1

Suspend

Surfacing every 4 hours for 6 minutes to the equivalent of the active state with everything being on.

Nothing on, MAIN CPU sleeps

Power off

Surfacing every 4 hours for 6 minutes to the equivalent of active state with everything being on.

Main LINUX CPU off, power micro suspending, internal battery charging off.

Note 1:

Power off is also triggered when:
A) the external battery voltage is less that 11.5v and greater than 34v and not active.
B) The temperature is less that -30 deg C and greater than 80 deg C.