Useful command-line settings

Settings that can't be reached from Sailfish OS graphical user interface.

- Battery saving mode all the time
- Blocking phone numbers from CLI in Sailfish OS

Battery saving mode all the time

Sailfish OS (5.0) UI allows to start the battery saving mode / power saving mode at will from the Battery setting menu, and to set a threshold from which the battery saving mode is automatically enabled. This threshold can be chosen between 20%, 15%, 10%, 5%... But not higher than 20%.

Even if this mode isn't saving much battery, if you want to have it set all the time you can use this commands from the Terminal :

```
devel-su pkcon install mce-tools  # to install the package that contains the mcetool command line program
```

```
mcetool --set-psm-threshold=100 --set-power-saving-mode=enabled --set-forced-psm=enable
```

This second line enables the power saving mode and sets it to auto-start from 100%. This way you'll be using your phone in power saving mode all the time except when it is plugged (loading the battery).

This setting is kept even after a reboot, just like if you had a 100% label available in the graphical Battery settings to click on.

This information have been summarized from this discussion : https://forum.sailfishos.org/t/please-add-function-for-automatic-power-saving-mode/7322

Blocking phone numbers from CLI in Sailfish OS

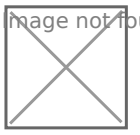
Blocking phone numbers from CLI in Sailfish OS

February 18, 2025 — Nico Cartron

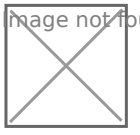
With Sailfish OS 5, it is now possible to block incoming calls, which is especially useful for unwanted calls such as spam calls.

From the SFOS UI

- in the Phone application, go to "History"
- then long press on the phone number you want to block
- then select "Block Number"



Next time this number calls you, it will go directly to your voicemail, and you'll see it in the calls history with a "blocked" icon:



Using the CLI

You can also do this using SFOS CLI, which comes with the benefit of being able to also specify *ranges* of numbers - useful for countries where sales calls are due to originate from specific prefixes.

For instance in France, those numbers start with *+33949* (and a bunch of other prefixes).

To block this range in SFOS, I would type the following command (as `defaultuser` user):

```
dconf write /sailfish/voicecall/filter/rejected-numbers ["'^+33949'"]
```

and to check that this was taken into account:

```
dconf read /sailfish/voicecall/filter/rejected-numbers
```

"Reject numbers" vs. "Ignore numbers"

If you're curious like me, you've probably seen that there are 2 options when it comes to filtering numbers in SFOS. If you enter that command:

```
dconf list /sailfish/voicecall/filter/
```

you'll get 2 answers:

```
ignored-numbers
rejected-numbers
```

We've used `rejected-numbers` above, now you may wonder what `ignored-numbers` is and what's the difference?

Well, fear not as I tested it for you:

- `rejected numbers` will send the call straight to your voicemail, without your caller even getting a ring on their side,

- `ignored-numbers` will still send the call to your voicemail, but after the usual 4 or 5 rings for your callers
  - you will still see the call coming in,
  - but your phone won't ring,
  - and the call will also appear as "blocked" in your calls history

Import settings for France

```
dconf write /sailfish/voicecall/filter/ignored-numbers "['', 'anonymous', '^+33162', '^+33163', '^+33270', '^+33271', '^+33377', '^+33378', '^+33424', '^+33425', '^+33568', '^+33569', '+3364466', '+3364467', '+3364468', '+3364469', '+337568', '+337569', '^+33806', '^+33948', '^+33949', '+5909475', '+5949476', '+2629478', '+2629479', '+5969477']"
```