# [Linux] Debug connection lost after kernel boot

2026-08-11 - Comments (0) - OS-aware debugging

This is often caused by the kernel power management, which turns the on-chip debug module off while going to power saving mode.

Possible solutions are:

- Re-compile the kernel with disabled power management.
- Disable the idle states for all cores from the Linux shell e.g.
  `echo 1 > /sys/devices/system/cpu/cpu/cpuidle/state/disable`
- remove the idle-states property from the device tree if available
- add a command line parameter that disables power management if supported by the used Linux distribution. This can be done for instance in some NXP Linux distributions for i.MX using the **"jtag=on"** parameter. In some other distributions, the **"nohlt"** parameter is used. Please refer to the documentation of the kernel command line parameters of your Linux distribution for more information.