

Kindle 4 NT

Model D01100 - 4th generation Kindle

Jailbreak

<https://wiki.mobileread.com/wiki/Kindle4NTHacking> Download jailbreak from
<http://www.mobileread.com/forums/showthread.php?t=191158>
<https://www.mobileread.com/forums/attachment.php?attachmentid=141180&d=1439936080> -
Connect Kindle via micro USB to PC - copy the data.tar.gz, ENABLE_DIAGS and diagnostic_logs to the Kindle's USB drive's root - Safely remove the USB device, remove the cable and restart the Kindle (Menu → Settings → Menu → Restart) - Device restarts into diagnostics mode. Select "D) Exit, Reboot or Disable Diags" (using the 5-way keypad) - Select "R) Reboot System" and "Q) To continue", press 'FW Left' (left on 5-way keypad) to select an option - Wait about 20 seconds: you should see the Jailbreak screen for a while, and the device should then restart normally - After the Kindle restarts, you should see a new book titled "You are Jailbroken", if you see this, the jailbreak has been successful.

SSH

<http://www.mobileread.com/forums/showthread.php?t=88004>
<https://www.mobileread.com/forums/attachment.php?attachmentid=141341&d=1440341478> - copy Update_usbnetwork_0.57.N_k4_install.bin via usb to kindle root, then launch it by going to [Menu] → Settings → [Menu] → Update Your Kindle. - reconnect kindle - edit Kindle/usbnet/etc/config - set wifi to true, wifi_sshd_only to true, openssh true, volumd true - add ssh keys to Kindle/usbnet/etc/authorized_keys - enable pubkeys in sshd_config - create file 'auto' in root - configure wifi in [Menu] → Settings → Wifi - reboot kindle

writable root partition: mntroot rw

root password

Note serial number from menu → settings → device info

Use javascript/online version to get likely root password: <https://www.sven.de/kindle/>

Or use python script: <https://www.mobileread.com/forums/showthread.php?p=1873256>

```
#!/usr/bin/env python
import hashlib
print("fiona%s"%hashlib.md5("XXXYOURSERIALXXX\n".encode('utf-8')).hexdigest(
)[7:11])
```

KUAL

KUAL doesn't quite work right. Needs to be installed with disabled wifi, then works but stops working once wifi is enabled.

<https://www.mobilerread.com/forums/showthread.php?t=203326>

https://storage.gra.cloud.ovh.net/v1/AUTH_2ac4bfee353948ec8ea7fd1710574097/mr-public/Touch/kindle-mkk-20141129-r18833.tar.xz

https://storage.gra.cloud.ovh.net/v1/AUTH_2ac4bfee353948ec8ea7fd1710574097/mr-public/KUAL/KUAL-v2.7.29-g7750a3a-20221017.tar.xz disable wifi → aeroplane mode copy mkk installer for K4 into root copy v1 azw file into document folder menu→settings→menu→update kindle

```
helper+ -> "prevent OTA updates"
```

https://storage.gra.cloud.ovh.net/v1/AUTH_2ac4bfee353948ec8ea7fd1710574097/mr-public/KUAL/kual-mrinstaller-1.7.N-r18983.tar.xz

https://storage.gra.cloud.ovh.net/v1/AUTH_2ac4bfee353948ec8ea7fd1710574097/mr-public/KUAL/kual-kual-plus-0.2.N-r13380.tar.xz

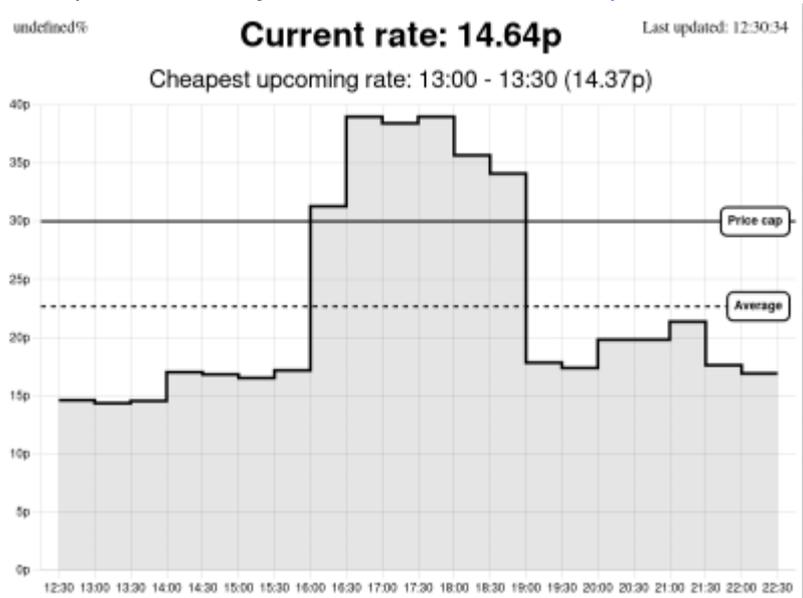
https://storage.gra.cloud.ovh.net/v1/AUTH_2ac4bfee353948ec8ea7fd1710574097/mr-public/KUAL/kual-gawk-1.5.N-r18977.tar.xz

Dashboard

This github creates a web page with chart js, then uses node js and chrome in headless mode to create a png image from it which is displayed on the kindle:

<https://github.com/rstreefland/kindle-octopus-agile-dashboard>

example url used by kindle for dashboard: <http://192.168.1.2:6000/?token=12345678>



Ssh into kindle and start dashboard:

```
ssh root@192.168.1.20
#pw fiona4da
```

```
/mnt/us/dashboard/start.sh
```

Links

- <https://www.mobileread.com/forums/showthread.php?t=203326>
- <https://www.mobileread.com/forums/showthread.php?t=225030>
- https://en.wikibooks.org/wiki/OpenSSH/Cookbook/Public_Key_Authentication
- <https://www.mobileread.com/forums/showthread.php?t=352957>
- <https://www.mobileread.com/forums/showthread.php?p=1873256>
- <https://wiki.mobileread.com/wiki/Kindle4NTHacking>
- <https://hub.docker.com/r/shivjm/node-chromium/tags>
- <https://github.com/rstreefland/kindle-octopus-agile-dashboard/blob/main/kindle/local/fetch-dashboard.sh>
- <https://github.com/pascalw/kindle-dash/blob/main/docs/screenshotter/screenshot.js>
- <https://github.com/rstreefland/kindle-octopus-agile-dashboard>

From:
<http://wuff.dyndns.org/> - **Wulf's Various Things**

Permanent link:
<http://wuff.dyndns.org/doku.php?id=howto:kindle4nt>

Last update: **2023/11/03 19:05**

