

For me, creating a USB keydisk to use with Astlinux wasn't as easy as simply running `genkd` as the documentation suggested. Here's How I did it.

Required responses are in **bold**

First I used `fdisk` to delete the funny dos partitions and create a single new partition

```
pbx root #
fdisk
/dev/sda
see Appendix for detail
pbx root #
mount (null) on /oldroot type ext2 (rw,nogrp)
none on / type tmpfs (rw)
none on /proc type proc (rw)
none on /dev type tmpfs (rw)
none on /var type tmpfs (rw)
none on /tmp type tmpfs (rw)
none on /dev/pts type devpts (rw)
none on /sys type sysfs (rw)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
Now run the Astlinux genkd utility
pbx root #
genkd
Segmentation fault
This script will help to create a KeyDrive to store your AstLinux configuration.
MAKE SURE THAT YOUR DRIVE IS CONNECTED.
I will use /dev/sda1
Please type yes to continue
Is this okay?
yes
Creating partition...
Partitioning failed. You are on your own.
Filesystem created. Copying existing configuration...
cp: /stat/etc/wanpipe: No such file or directory
Done.
I STRONGLY URGE YOU TO REBOOT NOW.
Type reboot to cleanly restart now.
Check it note that it shows
/dev/sda1 on /mnt/kd type ext2 (rw,nogrp)
pbx root #
mount (null) on /oldroot type ext2 (rw,nogrp)
none on / type tmpfs (rw)
none on /proc type proc (rw)
none on /dev type tmpfs (rw)
none on /var type tmpfs (rw)
none on /tmp type tmpfs (rw)
none on /dev/pts type devpts (rw)
none on /sys type sysfs (rw)
none on /proc/sys/fs/binfmt_misc type binfmt_misc (rw)
"Lucida Console";
/dev/sda1 on /mnt/kd type ext2 (rw,nogrp)
Check out what was put on the keydisk
pbx root #
ls /mnt/kd -al
drwxr-xr-x 11 root root 1024 May 26 13:11 .
drwxr-xr-x 4 root root 80 Apr 2005 ..
-rw-r--r- 1 root root 8192 May 26 13:09 astdb
drwxr-xr-x 2 root root 2048 May 26 13:09 asterisk
-rwxrwxr-x 1 root root 3710 Apr 13 17:53 astfw
drwxr-xr-x 2 root root 1024 May 26 13:09 cdr-csv
drwxr-xr-x 2 root root 1024 May 26 13:09 crontabs
-rw-r--r- 1 root root 0 May 26 13:11
```

```
dnsmasq.leases  
May 26 13:11 home  
May 26 13:11 lost+found  
May 26 13:11 monitor  
May 26 13:11 rc.conf  
May 26 13:11 ssh  
May 26 13:09 tftpboot  
May 17:17 voicemail  
now test it  
pbx root #  
/mnt/kd/  
pbx kd #  
cp rc.conf  
chris.was.here  
pbx kd #  
astdb  
astfw  
chris.was.here  
dnsmasq.leases  
lost+found  
rc.conf  
tftpboot  
asterisk  
cdr-csv  
crontabs  
home  
monitor  
ssh  
voicemail  
pbx kd #  
reboot  
pbx kd #  


## Appendix



fdisk steps



Command (m for help):  
p  
Disk /dev/sda: 132 MB, 132590080 bytes  
5 heads, 51 sectors/track, 1015 cylinders  
Units = cylinders of 255 * 512 = 130560 bytes  
Device Boot  
Start End Blocks Id System  
/dev/sda1 ? 7332437  
7993965  
84344761  
69  
Unknown  
Partition 1 has different physical/logical beginnings (non-Linux?):  
phys=(68, 13, 10)  
logical=(7332436, 3, 33)  
Partition 1 has different physical/logical endings:  
phys=(288, 115, 43)  
logical=(7993964, 1, 16)  
Partition 1 does not end on cylinder boundary.  
/dev/sda2 ?  
6672626  
14005494  
934940732+  
73  
Unknown  
Partition 2 has different physical/logical beginnings (non-Linux?):  
phys=(371, 114, 37)  
logical=(6672625, 2, 5)  
Partition 2 has different physical/logical endings:


```



```
red;">n</span></strong></span></p> <p><span style="font-family: 'courier new',
monospace;">Command action</span></p> <p><span style="font-family: 'courier new',
monospace;"><span> </span>e<span> </span>extended</span></p> <p><span
style="font-family: 'courier new', monospace;"><span> </span>p<span> </span>primary
partition (1-4)</span></p> <p><span style="font-family: 'courier new',
monospace;"><strong><span style="color: red;">p</span></strong></span></p> <p><span
style="font-family: 'courier new', monospace;">Partition number (1-4): 1</span></p> <p><span
style="font-family: 'courier new', monospace;">First cylinder (1-1015, default 1): </span></p>
<p><span style="font-family: 'courier new', monospace;">Using default value 1</span></p>
<p><span style="font-family: 'courier new', monospace;">Last cylinder or +size or +sizeM or
+sizeK (1-1015, default 1015): </span></p> <p><span style="font-family: 'courier new',
monospace;">Using default value 1015</span></p> <p><span style="font-family: 'courier new',
monospace;"> </span></p> <p><span style="font-family: 'courier new',
monospace;">Command (m for help): <strong><span style="color:
red;">t</span></strong></span></p> <p><span style="font-family: 'courier new',
monospace;">Selected partition 1</span></p> <p><span style="font-family: 'courier new',
monospace;">Hex code (type L to list codes): <strong><span style="color:
red;">b</span></strong></span></p> <p><span style="font-family: 'courier new',
monospace;">Changed system type of partition 1 to b (Win95 FAT32)</span></p> <p><span
style="font-family: 'courier new', monospace;"> </span></p> <p><span style="font-family:
'courier new', monospace;">Command (m for help): <strong><span style="color:
red;">w</span></strong></span></p> <p><span style="font-family: 'courier new',
monospace;">The partition table has been altered!</span></p> <p><span style="font-family:
'courier new', monospace;"> </span></p> <p><span style="font-family: 'courier new',
monospace;">Calling ioctl() to re-read partition table.</span></p> <p><span style="font-family:
'courier new', monospace;"> </span></p> <p><span style="font-family: 'courier new',
monospace;">WARNING: If you have created or modified any DOS 6.x</span></p> <p><span
style="font-family: 'courier new', monospace;">partitions, please see the fdisk manual page for
additional</span></p> <p><span style="font-family: 'courier new',
monospace;">information.</span></p> <p><span style="font-family: 'courier new',
monospace;">Syncing disks.</span></p> <p><span style="font-family: 'courier new',
monospace;"> </span></p> <p><span style="font-family: 'courier new', monospace;">
</span></p> <p><span style="font-family: 'courier new', monospace;">pbx1 root #
<strong>fdisk /dev/sda</strong></span></p> <p><span style="font-family: 'courier new',
monospace;"> </span></p> <p><span style="font-family: 'courier new',
monospace;">Command (m for help): <strong><span style="color:
red;">p</span></strong></span></p> <p><span style="font-family: 'courier new',
monospace;"> </span></p> <p><span style="font-family: 'courier new', monospace;">Disk
/dev/sda: 133 MB, 133997056 bytes</span></p> <p><span style="font-family: 'courier new',
monospace;">5 heads, 52 sectors/track, 1006 cylinders</span></p> <p><span
style="font-family: 'courier new', monospace;">Units = cylinders of 260 * 512 = 133120
bytes</span></p> <p><span style="font-family: 'courier new', monospace;"> </span></p>
<p><span style="font-family: 'courier new', monospace;"><span> </span>Device Boot<span>
</span>Start<span> </span>End<span> </span>Blocks<span> </span>Id<span>
</span>System</span></p> <p><span style="font-family: 'courier new',
monospace;">/dev/sda1<span> </span>1<span> </span>1006<span> </span>130754<span>
```

Win95 FAT32

Command (m for help):**q**

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