

Astra Linux SE: " " (PC speaker, beeper)

 Astra Linux Special Edition ,
() ,

1. " ",
2. pcspkr,

```
lsmod | grep pcspkr
```

pcspkr	16384	0
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```
sudo modprobe pcspkr
```

/etc/modules.

```
echo -ne "\a"
```

beep beep.

whole /dev/tty0, :

 sudo pdpl-file 3:63:-1:whole /dev/tty0

whole . :

/usr/sbin/pdp-init-fs:

```
pdpl-file 3:63:-1:whole /dev/tty0
```

 :

- Astra Linux Special Edition .10015-01 (1.7), .10015-10
- Astra Linux Special Edition .10015-17
- Astra Linux Special Edition .10015-37 (7.7)
- Astra Linux Special Edition .10015-03 (7.6)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Common Edition 2.12

 ,

```
sudo apt install beep
```

VirtualBox -

VirtualBox :

1. , -;
2. (. _ VirtualBox);
3. ;
4. - :

```
VBoxManage setextradata __ "VBoxInternal/Devices/i8254/0/Config/PassthroughSpeaker" 1
```

Windows:

```
C:\Program Files\Oracle\VirtualBox\VirtualBox.exe  
setextradata __ "VBoxInternal/Devices/i8254/0/Config/PassthroughSpeaker" 1
```

C:\Program Files\Oracle\ .

5. , **pcspkr** beep:

beep

echo .
, (. 3 -5), VBoxManage 1 100 (. [Oracle® VM VirtualBoxAdministrator's Guide for Release 6.0 PC Speaker Passthrough](#)).