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

Astra Linux Special Edition , . .
. -, .
() , .
.

, , , , :

1. " ", .
2. pcspkr, . , , :

```
lsmod | grep pcspkr
```

```
pcspkr                 16384  0
```

:

```
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
```

VirtualBox -

VirtualBox :

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

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

Windows:

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

:

- 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
```

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).