MultiSeat Astra Linux

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- fly-admin-multiseat
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Astra Linux "multiseat". , , , .

 :

- 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

multiseat fly-dm (root).

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 , , , ( ).

multiseat , , (, "") () .

multiseat , . .

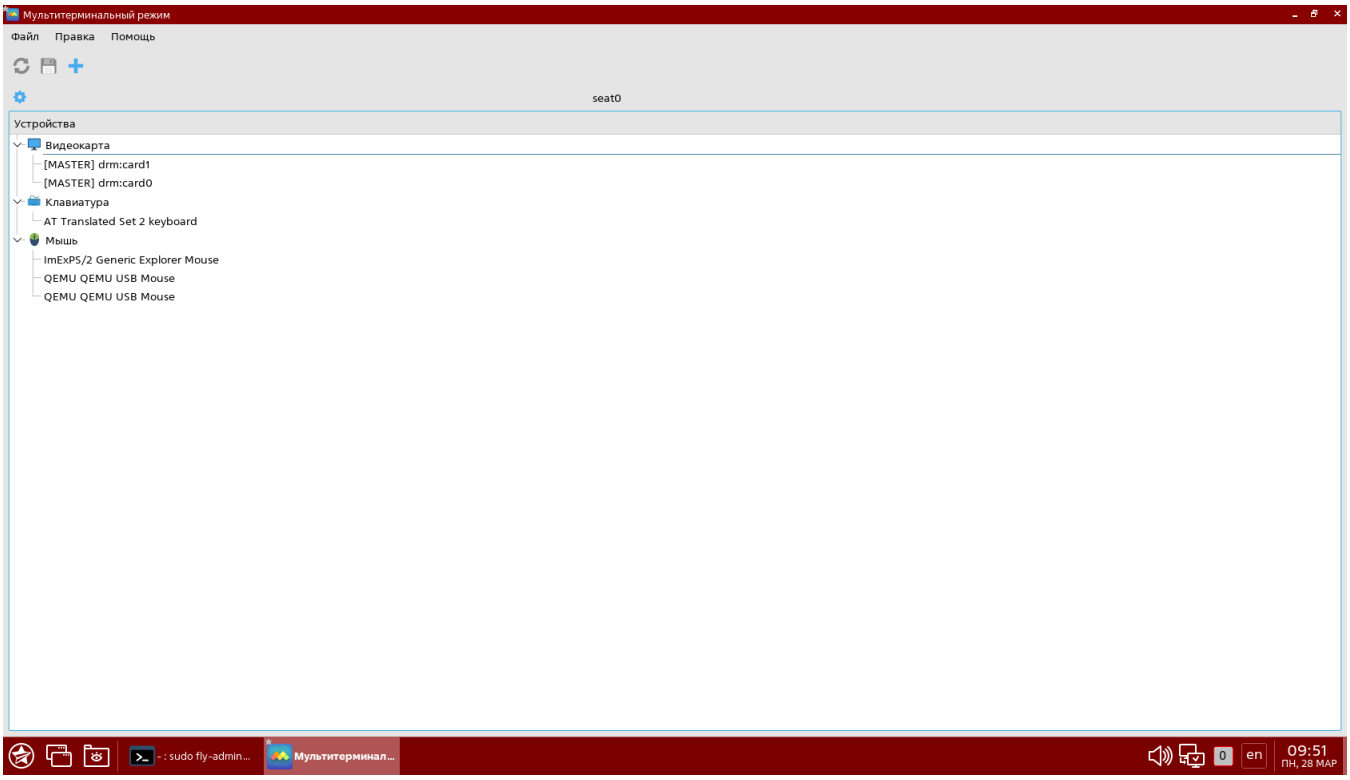
:

- Astra Linux Special Edition ;
- Intel;
- Nvidia GeForce 1060;
- USB USB .

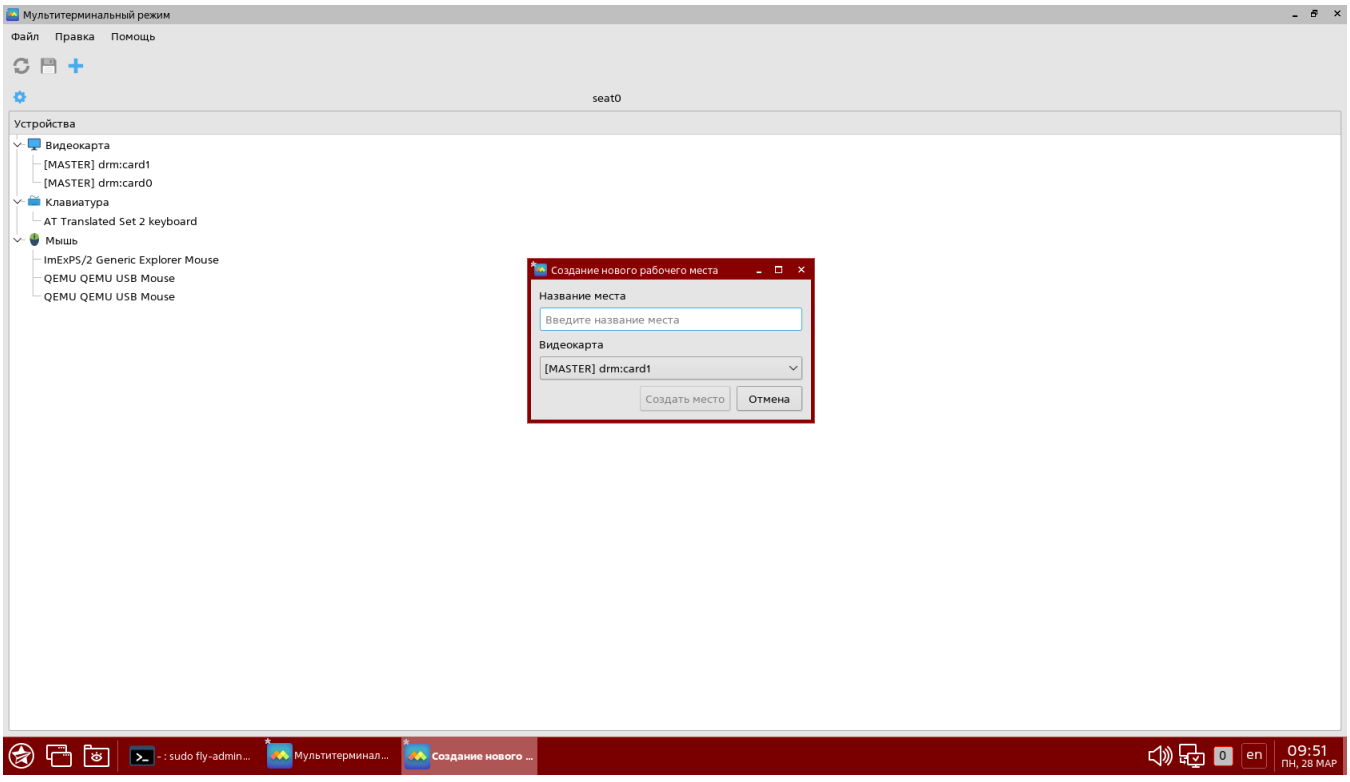
fly-admin-multiseat

fly-admin-multiseat Astra Linux Special Edition x.7

fly-admin-multiseat : "" - " " - "" - " ". fly-admin-multiseat :


Мультитерминальный режим
Файл
Правка
Помощь
seat0
Устройства
Видеокарта
[MASTER] drm:card1
[MASTER] drm:card0
Клавиатура
AT Translated Set 2 keyboard
Мышь
ImExPS/2 Generic Explorer Mouse
QEMU QEMU USB Mouse
QEMU QEMU USB Mouse
- : sudo fly-admin...
Мультитерминал...
0
en
09:51
ПН, 28 МАР

:


Мультитерминальный режим
Файл
Правка
Помощь
seat0
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[MASTER] drm:card1
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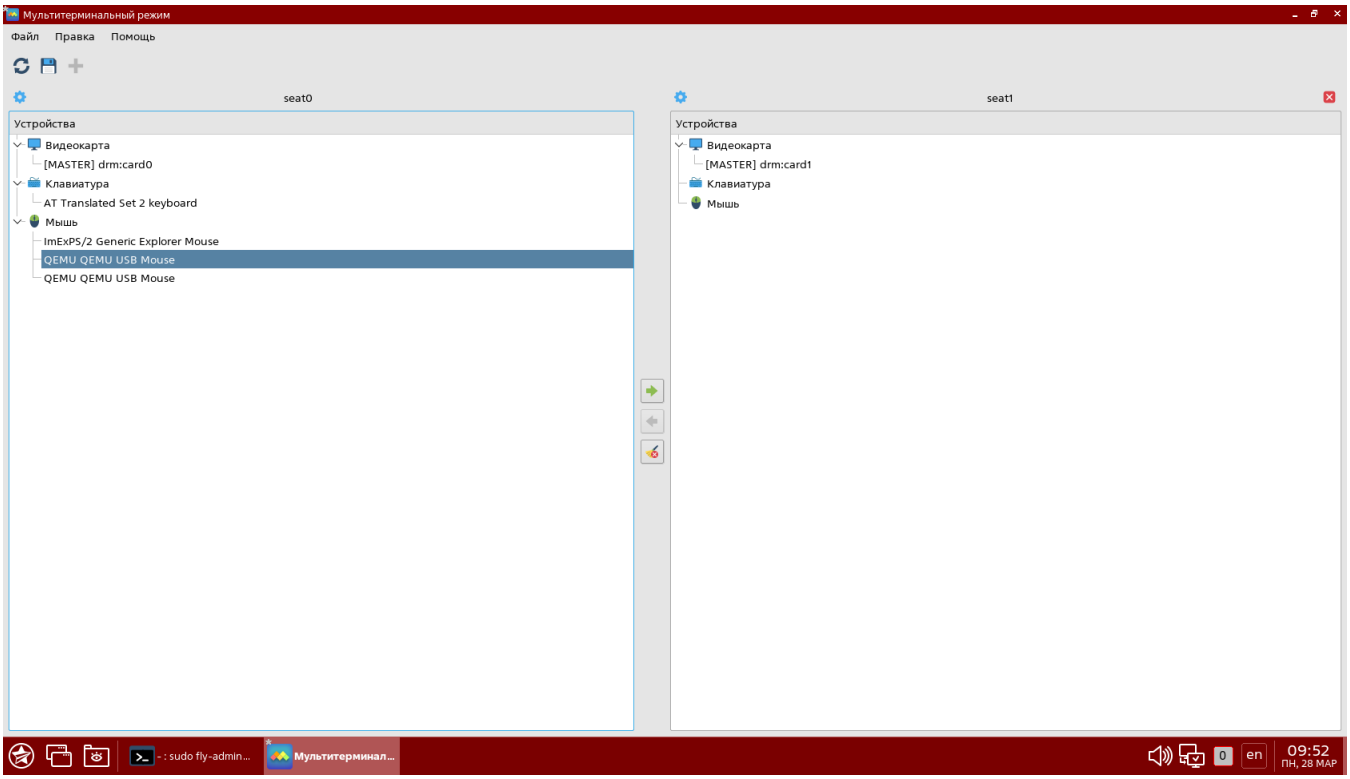
Клавиатура
AT Translated Set 2 keyboard
Мышь
ImExPS/2 Generic Explorer Mouse
QEMU QEMU USB Mouse
QEMU QEMU USB Mouse
Создание нового рабочего места
Название места
Введите название места
Видеокарта
[MASTER] drm:card1
Создать место
Отмена
- : sudo fly-admin...
Мультитерминал...
Создание нового ...
0
en
09:51
ПН, 28 МАР

:



(seat) .

:

```
lspci
```

```
lsusb
```

/ loginctl. :

```
sudo loginctl list-seats
```

:

```
sudo loginctl seat-status seat0
```

loginctl (,):

```
sudo loginctl seat-status seat0
seat0
        Devices:
                /sys/devices/LNXSYSTM:00/LNXPWRBN:00/input/input1
                 input:input1 "Power Button"
                /sys/devices/LNXSYSTM:00/LNXSYBUS:00/PNP0C0C:00/input/input0
                 input:input0 "Power Button"
                /sys/devices/pci0000:00/0000:00:01.0/0000:01:00.0/drm/card0
                 [MASTER] drm:card0
                 /sys/devices/pci0000:00/0000:00:01.0/0000:01:00.0/drm/card0/card0-DVI-I-1
                  [MASTER] drm:card0-DVI-I-1
                 /sys/devices/pci0000:00/0000:00:01.0/0000:01:00.0/drm/card0/card0-HDMI-A-1
```

```
  [MASTER] drm:card0-HDMI-A-1
 /sys/devices/pci0000:00/0000:00:01.0/0000:01:00.0/drm/card0/card0-VGA-1
   [MASTER] drm:card0-VGA-1
/sys/devices/pci0000:00/0000:00:01.0/0000:01:00.0/drm/renderD128
 drm:renderD128
/sys/devices/pci0000:00/0000:00:01.0/0000:01:00.0/graphics/fb0
 graphics:fb0 "nouveaudrmfb"
/sys/devices/pci0000:00/0000:00:01.0/0000:01:00.1/sound/card1
 sound:card1 "NVidia"
 /sys/devices/pci0000:00/0000:00:01.0/0000:01:00.1/sound/card1/input23
  input:input23 "HDA NVidia HDMI/DP,pcm=3"
 /sys/devices/pci0000:00/0000:00:01.0/0000:01:00.1/sound/card1/input24
  input:input24 "HDA NVidia HDMI/DP,pcm=7"
 /sys/devices/pci0000:00/0000:00:01.0/0000:01:00.1/sound/card1/input25
  input:input25 "HDA NVidia HDMI/DP,pcm=8"
 /sys/devices/pci0000:00/0000:00:01.0/0000:01:00.1/sound/card1/input26
   input:input26 "HDA NVidia HDMI/DP,pcm=9"
/sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm/card1
 [MASTER] drm:card1
 /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm/card1/card1-DVI-I-2
  [MASTER] drm:card1-DVI-I-2
 /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm/card1/card1-DVI-I-3
   [MASTER] drm:card1-DVI-I-3
/sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm/renderD129
 drm:renderD129
/sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/graphics/fb1
 graphics:fb1 "nouveaudrmfb"
/sys/devices/pci0000:00/0000:00:1a.0/usb3
 usb:usb3
/sys/devices/pci0000:00/0000:00:1a.1/usb4
 usb:usb4
/sys/devices/pci0000:00/0000:00:1a.2/usb5
 usb:usb5
/sys/devices/pci0000:00/0000:00:1a.7/usb1
 usb:usb1
 /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5
   usb:1-5
   /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input12
    input:input12 "Telink SVEN WIRELESS MOUSE Mouse"
   /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input13
    input:input13 "Telink SVEN WIRELESS MOUSE Consumer Control"
   /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input14
     input:input14 "Telink SVEN WIRELESS MOUSE System Control"
/sys/devices/pci0000:00/0000:00:1b.0/sound/card0
 sound:card0 "Intel"
 /sys/devices/pci0000:00/0000:00:1b.0/sound/card0/input15
  input:input15 "HDA Intel Front Mic"
 /sys/devices/pci0000:00/0000:00:1b.0/sound/card0/input16
  input:input16 "HDA Intel Rear Mic"
 /sys/devices/pci0000:00/0000:00:1b.0/sound/card0/input17
  input:input17 "HDA Intel Line"
 /sys/devices/pci0000:00/0000:00:1b.0/sound/card0/input18
  input:input18 "HDA Intel Line Out Front"
 /sys/devices/pci0000:00/0000:00:1b.0/sound/card0/input19
  input:input19 "HDA Intel Line Out Surround"
 /sys/devices/pci0000:00/0000:00:1b.0/sound/card0/input20
  input:input20 "HDA Intel Line Out CLFE"
 /sys/devices/pci0000:00/0000:00:1b.0/sound/card0/input21
  input:input21 "HDA Intel Line Out Side"
 /sys/devices/pci0000:00/0000:00:1b.0/sound/card0/input22
   input:input22 "HDA Intel Front Headphone"
/sys/devices/pci0000:00/0000:00:1d.0/usb6
 usb:usb6
/sys/devices/pci0000:00/0000:00:1d.1/usb7
 usb:usb7
 /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-2:1.0/0003:C0F4:01B0.0001/input/input5
  input:input5 "USB usb keyboard"
 /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-2:1.1/0003:C0F4:01B0.0002/input/input6
  input:input6 "USB usb keyboard Consumer Control"
 /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-2:1.1/0003:C0F4:01B0.0002/input/input7
   input:input7 "USB usb keyboard System Control"
/sys/devices/pci0000:00/0000:00:1d.2/usb8
 usb:usb8
 /sys/devices/pci0000:00/0000:00:1d.2/usb8/8-2/8-2:1.0/0003:10D5:0116.0003/input/input8
  input:input8 "M02 1.6"
 /sys/devices/pci0000:00/0000:00:1d.2/usb8/8-2/8-2:1.1/0003:10D5:0116.0004/input/input10
  input:input10 "M02 1.6 System Control"
 /sys/devices/pci0000:00/0000:00:1d.2/usb8/8-2/8-2:1.1/0003:10D5:0116.0004/input/input11
  input:input11 "M02 1.6 Consumer Control"
```

/sys/devices/pci0000:00/0000:00:1d.2/usb8/8-2/8-2:1.1/0003:10D5:0116.0004/input/input9
input:input9 "M02 1.6 Mouse"
/sys/devices/pci0000:00/0000:00:1d.7/usb2
usb:usb2
/sys/devices/platform/vhci_hcd.0/usb10
usb:usb10
/sys/devices/platform/vhci_hcd.0/usb9
usb:usb9
/sys/devices/virtual/misc/kvm
misc:kvm
/sys/devices/virtual/misc/rfkill
misc:rfkill

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. ( ), , , . , .

, , .. card0 , - (seat0). , 0 seat0.

seat1, . :

```
sudo loginctl attach seat1 /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0
/drm/card1
```

:

```
sudo loginctl seat-status seat1
```

```
seat1
         Devices:
                  /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm
/card1
                    [MASTER] drm:card1
                    /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm
/card1/card1-DVI-I-2
                     [MASTER] drm:card1-DVI-I-2
                    /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm
/card1/card1-DVI-I-3
                      [MASTER] drm:card1-DVI-I-3
```

:

```
sudo loginctl attach seat1 /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-
5.2/1-5.2:1.0/0003:248A:8366.0005/input/input12 \
                           /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-
5.2/1-5.2:1.0/0003:248A:8366.0005/input/input13 \
                           /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-
5.2/1-5.2:1.0/0003:248A:8366.0005/input/input14
```

:

```
sudo loginctl attach seat1 /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-
2:1.0/0003:C0F4:01B0.0001/input/input5 \
                           /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-
2:1.1/0003:C0F4:01B0.0002/input/input6 \
                           /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-
2:1.1/0003:C0F4:01B0.0002/input/input7
```

seat1:

```
sudo loginctl seat-status seat1
```

seat1 :

```
seat1
        Devices:
                /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm/card1
                 [MASTER] drm:card1
                 /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm/card1/card1-DVI-I-2
                  [MASTER] drm:card1-DVI-I-2
                 /sys/devices/pci0000:00/0000:00:06.0/0000:02:00.0/drm/card1/card1-DVI-I-3
                    [MASTER] drm:card1-DVI-I-3
                /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input12
                 input:input12 "Telink SVEN WIRELESS MOUSE Mouse"
                /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input13
                 input:input13 "Telink SVEN WIRELESS MOUSE Consumer Control"
                /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input14
                 input:input14 "Telink SVEN WIRELESS MOUSE System Control"
                /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-2:1.0/0003:C0F4:01B0.0001/input/input5
                 input:input5 "USB usb keyboard"
                /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-2:1.1/0003:C0F4:01B0.0002/input/input6
                 input:input6 "USB usb keyboard Consumer Control"
                /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2/7-2:1.1/0003:C0F4:01B0.0002/input/input7
                  input:input7 "USB usb keyboard System Control"
```

Astra Linux fly-dm fly-dm. multiseat fly-dm root. /etc/X11/fly-dm/fly-dmrc ServerUID=root:

/etc/X11/fly-dm/fly-dmrc

```
# The user the X-server should run as. Empty results - auto, i.e. 'root' or 'fly-dm' if KMS enabled.
# Default is ""
ServerUID=root
```

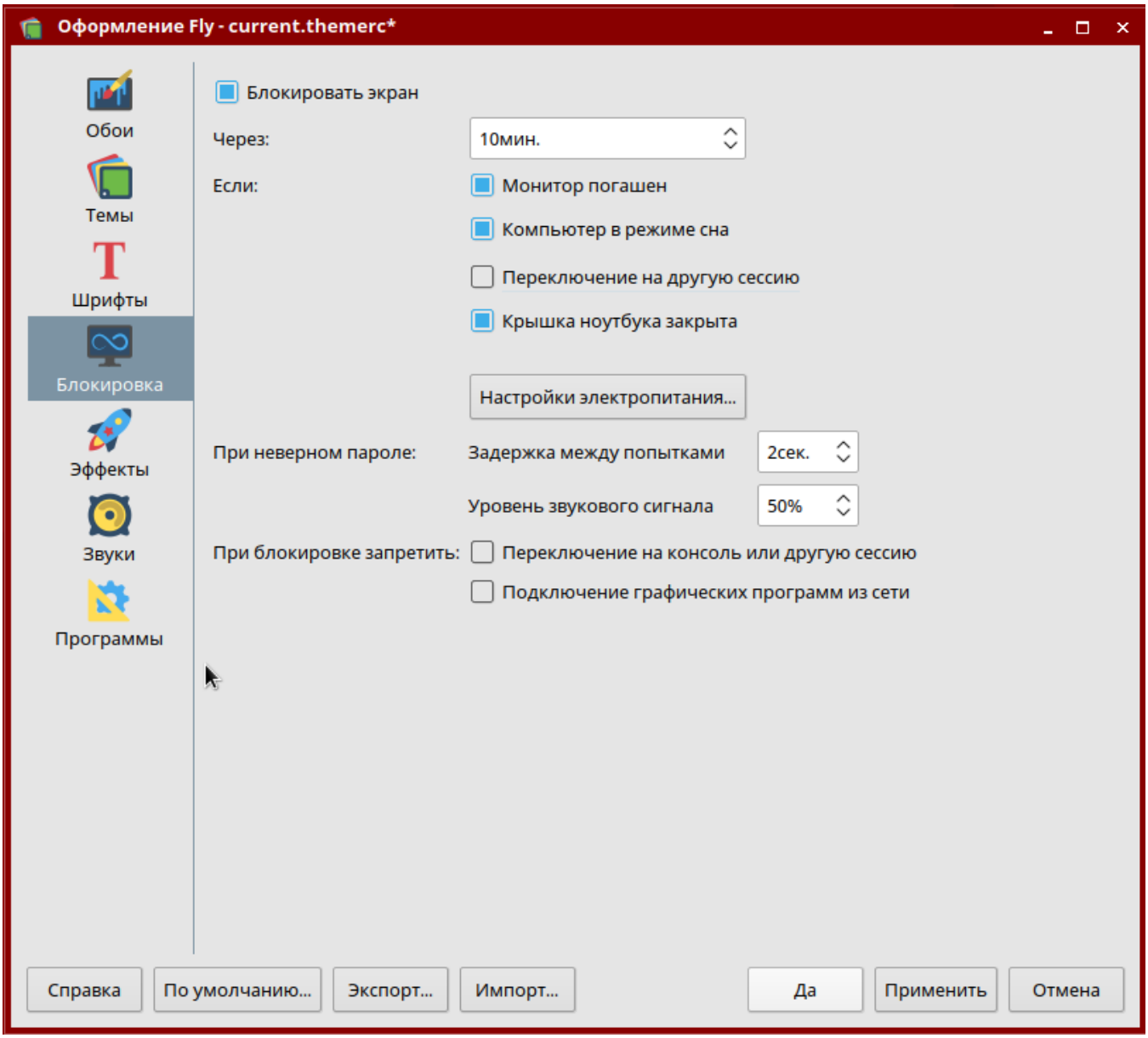
Astra Linux Special Edition 1.6 /etc/X11/fly-dm/fly-dmrc seat1:

/etc/X11/fly-dm/fly-dmrc

```
[X-:1-Core]
ServerArgsLocal=-seat seat1
```

Astra Linux Special Edition 1.7 .

- Astra Linux . Astra Linux Special Edition 1.6 : " " - "", " ", " Fly". "" " ".



, .

Astra Linux Special Edition 1.7 .

:

```
sudo reboot
```

.

:

1. /etc/X11/fly-dm/fly-dmrc

/etc/X11/fly-dm/fly-dmrc

```
[X-:1-Core]
ServerArgsLocal=-seat seat1
```

2. ;
3. . seat0:

```
sudo loginctl attach seat0 /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2
/7-2:1.0/0003:C0F4:01B0.0001/input/input5 \
                           /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2
/7-2:1.1/0003:C0F4:01B0.0002/input/input6 \
                           /sys/devices/pci0000:00/0000:00:1d.1/usb7/7-2
/7-2:1.1/0003:C0F4:01B0.0002/input/input7
sudo loginctl attach seat0 /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5
/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input12 \
                           /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5
/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input13 \
                           /sys/devices/pci0000:00/0000:00:1a.7/usb1/1-5
/1-5.2/1-5.2:1.0/0003:248A:8366.0005/input/input14
```

.

4. sudo loginctl seat-status, , , , :

```
sudo loginctl attach seat0 /sys/devices/pci0000:00/0000:00:06.0/0000:02:
00.0/drm/card1
```