- Astra Linux
  - Astra Linux Special Edition
- pulseaudio
- ALSA
  - alsa
  -
  - HDMI

:

- 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 .10152-02 (4.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Special Edition .10015-16 . 2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition 2.12

blocked URL

Astra Linux

Astra Linux :

- ALSA (Advanced Linux Sound Architecture, **Linux**) -
- pulseaudio - , ALSA

Astra Linux. Astra Linux Special Edition .10015-01 (1.5) , .

, , " " :

- , ;
- HDMI/Display Port (, ,). HDMI Display Port , , .

Astra Linux Special Edition

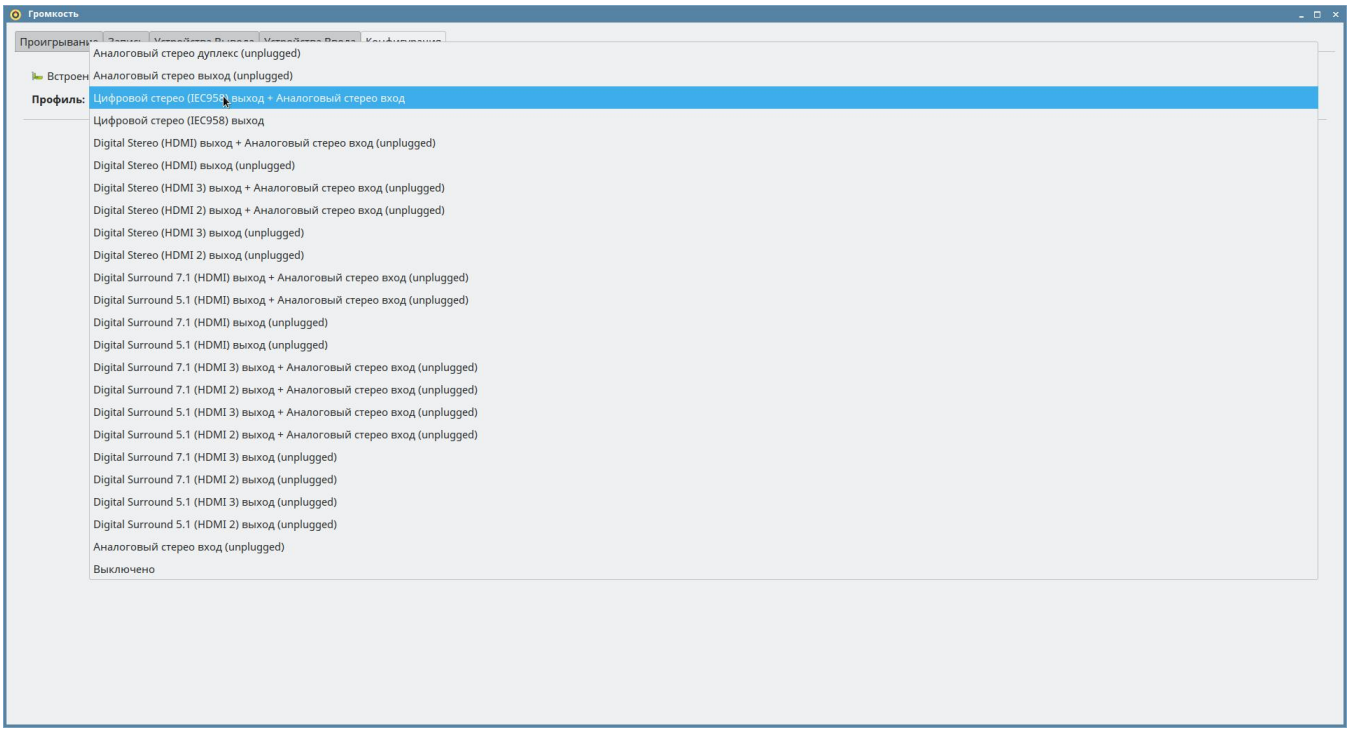
Astra Linux Special Edition , , .

pulseaudio

pulseaudio pavucontrol.
("" - "" - " PulseAudio) :

```
pavucontrol
```

("" - ""):



ALSA

alsa

:

/usr/share/alsa/alsa.conf	. .	.
/usr/share/alsa/cards/aliases.conf		
/usr/share/alsa/cards/_.conf	. ALSA .	
/etc/asound.conf	. - .	
~/.asoundrc	. - .	.

: https://www.alsa-project.org/main/index.php/Asoundrc

, : .
, , , .

, , , .
. :

```
aplay -l
```

. :

```
**** List of PLAYBACK Hardware Devices ****
card 0: Intel [HDA Intel], device 0: CONEXANT Analog [CONEXANT Analog]
Subdevices: 1/1 Subdevice #0: subdevice #0
card 0: Intel [HDA Intel], device 1: Conexant Digital [Conexant Digital]
Subdevices: 1/1 Subdevice #0: subdevice #0
card 1: JamLab [JamLab], device 0: USB Audio [USB Audio]
Subdevices: 1/1 Subdevice #0: subdevice #0
card 2: Audio [Altec Lansing XT1 - USB Audio], device 0: USB Audio [USB Audio]
Subdevices: 1/1 Subdevice #0: subdevice #0
```

, , , :

```
card 2: Audio [Altec Lansing XT1 - USB Audio], device 0: USB Audio [USB Audio]
Subdevices: 1/1 Subdevice #0: subdevice #0
```

:

- /etc/asound.conf ( )
- `.asoundrc` ( )

:

```
pcm.!default {
  type hw
  card 2
  device 0
}

ctl.!default {
  type hw
  card 2
  device 0
}
```

(,):

```
cat /proc/asound/cards
```

:

```
0 [PCH          ]: HDA-Intel - HDA Intel PCH
                   HDA Intel PCH at 0xfb400000 irq 39
1 [NVidia       ]: HDA-Intel - HDA NVidia
                   HDA NVidia at 0xfb080000 irq 17
```

/etc/asound.conf .asoundrc :

```
pcm.!default {
  type hw
  card PCH
}

ctl.!default {
  type hw
  card PCH
}
```

HDMI

:

```
aplay -l
```

, HDMI:

card 0: PCH [HDA Intel PCH], device 0: ALC887-VD Analog [ALC887-VD Analog]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 0: PCH [HDA Intel PCH], device 1: ALC887-VD Digital [ALC887-VD Digital]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 1: NVidia [HDA NVidia], device 3: HDMI 0 [HDMI 0]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 1: NVidia [HDA NVidia], device 7: HDMI 0 [HDMI 0]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 1: NVidia [HDA NVidia], device 8: HDMI 0 [HDMI 0]
Subdevices: 1/1
Subdevice #0: subdevice #0
card 1: NVidia [HDA NVidia], device 9: HDMI 0 [HDMI 0]
Subdevices: 1/1
Subdevice #0: subdevice #0

eld#* /proc/asoud/card*/ (, , HDMI/Display Port):

```
cat /proc/asound/card0/eld#3.0
```

, :

monitor_present 0
eld_valid 0

```
monitor_present 1
eld_valid 1
monitor_name TX-SR606
connection_type HDMI
eld_version [0x2] CEA-861D or below
edid_version [0x3] CEA-861-B, C or D
manufacture_id 0xcb3d
product_id 0x863
port_id 0x0
support_hdcp 0
support_ai 1
audio_sync_delay 0
speakers [0x4f] FL/FR LFE FC RL/RR RLC/RRC
sad_count 8
sad0_coding_type [0x1]
LPCM sad0_channels 2
sad0_rates [0x1ee0] 32000 44100 48000 88200 96000 176400 192000
sad0_bits [0xe0000] 16 20 24
sad1_coding_type [0x1] LPCM
sad1_channels 8
sad1_rates [0x1ee0] 32000 44100 48000 88200 96000 176400 192000
sad1_bits [0xe0000] 16 20 24
sad2_coding_type [0x2] AC-3
sad2_channels 8 sad2_rates [0xe0] 32000 44100 48000
sad2_max_bitrate 640000
sad3_coding_type [0x7] DTS
sad3_channels 8 sad3_rates [0xc0] 44100 48000
sad3_max_bitrate 1536000
sad4_coding_type [0x9] DSD (One Bit Audio)
sad4_channels 6
sad4_rates [0x40] 44100
sad5_coding_type [0xa] E-AC-3/DD+ (Dolby Digital Plus)
sad5_channels 8
sad5_rates [0xc0] 44100 48000
sad6_coding_type [0xb] DTS-HD
sad6_channels 8 sad6_rates [0x1ec0] 44100 48000 88200 96000 176400 192000
sad7_coding_type [0xc] MLP (Dolby TrueHD)
sad7_channels 8 sad7_rates [0x1480] 48000 96000 192000
```

.. , LPCM (Linear PCM, ..) 8- , 192KHz, 24-bi, AC3, DTS, DSD, DD+, DTS-HD, Dolby TrueHD.
(-).

/etc/asound.conf

```
pcm.!default {
 type hw
 card 1
 device 7
}

ctl.!default {
  type hw
  card 1
}
```

```
pcm.!default {
  type plug
  slave {pcm "hw:1,7"}
}

ctl.!default {
  type hw card 1
}
```

.
, .asoundrc (, , ,).