

Óñoàííàèà Lirc. Ííæëþ-áíèà ÁÓ íóëüòà è OpenSuse 11.2

Ðàçäæè : Ìðíàðàíííà íáñííà-áíèà

Ííóáèèèíáàíí [DrStrip](#) [06/06/2010]

Á ñòàòüà [Óñoàííàèà LXDE](#) íà [Open SUSE 11.2](#), ý ðèñàè, ÷òí à èñííüðòàðä ó íáíý óñoàííàèáí TV-Tuner LifeView FlyTV Platinum, ðíáííáí ÁÓ íóëüòà è IR ààò-èèà òò íáíí ó íáíý íááúèí. Íí ó íáíý àááíí èáæàè íóëüò (RM-1500) ñ ðáññèàáðíí (SB0540) òò Audigy 4, èíòíðúé áíèæáí áúè óíðààèýòù çáóéíáúí ñíðòíí òò CREATIVE. ß ðáðèè èñííèüçíáàòù ýòè óñoðíéñòàà äèý óíðààèáíèý TVTime, èíòíðúé ý áúáðàè äèý íðíííòðà ÒÁ.

Á ñòàòüà ííèñúáààòñý ííæëþ-áíèà, èííèðàòííáí óñoðíéñòàà CREATIVE SB 0540 è íóëüòà RM-1500, íí ý íííüòðñü ííèñàòù á ñòàòüà íáúèà íííáíóù óñoàííàèè è íàñòðíéèè, èíòíðúá, íáááðñü ííííáóò áàí ííæëþ-èòù äðóáèà IR óñoðíéñòàà. Á èíáðáðíáòá íííáí èíòíðíàèè, í íàñòðíéèà Lirc, íí á áíèüðáíñòàà ííèíá äèñòðèáóòáú íáíáèñòàà Debian, èíòíðúá "íáñíèüèí"

Äèý óíðààèáíèý ðàçèè-íúèè IR óñoðíéñòààíè à Linux, èñííèüçóáòñý íàèáò Lirc (Linux Infrared Remote Control), èíòíðúé è áúè óñoàííàèáí á ñèñòáíá. Á íàèáò áðíàèò íáñíèüèí óòèèèò è ááííí, èíòíðúé è íááí íàñòðíèòù äèý ðááíòù ñ íàðèí ðáññèàáðíí è íóëüòíí.

Íà ñàèòá <http://www.lirc.org/> á ðàçäæèà áíèóíáíáòèèè, ý íííííòðáè ñíèñíèè ííáááðæèáááííáí íáíðóáííááíèý [Detailed list of supported hardware](#), á èíòíðíí áúèí íàéááíí ííá óñoðíéñòáí.

Ðáññèàáð áúè ííæëþ-áí à USB, è á ñèñòáíá ííýàèííü ííáíá óñoðíéñòáí /dev/usb/lirc, íà áñýèèè ñèò-áè ý áàè íðáàà áñáí ííèüçíáàòáèýí íà ýòí óñoðíéñòáí.chmod 666 /dev/usb/lirc

Íàñòðíéèè lirc ððáíýòùñý á ðáèèè /etc/sysconfig/lirc, íèèðüáááí ááí íà ðááàèòèðíáíèà. Íèæá ííè ðáèè /etc/sysconfig/lirc, á èíòíðúé ý áíáààèè ñáíè íðèíá-áíèý íà ðóññèíí, è òáí çíà-áíèýí èíòíðúá ý íáíýè.##

Path: Hardware/Lirc

Description: lirc (infrared remote control) configuration

Type: string

Default: "660"

ServiceRestart: lirc

#

permissions for /dev/lircd

#

LIRCD_DEV_PERMISSIONS="666"

#Äàè íðáàà äèý áñá ííèüçíáàòáèèè

Type: string

Default: "root:video"

#

owner and group for /dev/lircd

#

LIRCD_DEV_OWNER="root:video"

Type: string

Default: ""

#

use given driver

```
#
LIRCD_DRIVER="sb0540"
#Äðáääð öñöðíéñòää íàøää â http://www.lirc.org/html/table.html

## Type:    string
## Default: ""
#
# read from given device
#
LIRCD_DEVICE="/dev/usb/hiddev0"
#Ìíà öñöðíéñòâí êíöìðíà ñíçääéíñü ïðè ïíäèèþ-áíèè ðáññèääðà â usb

## Type:    string(lirc_bt829,lirc_gpio,lirc_i2c,lirc_it87,lirc_parallel,lirc_sir,ir-kbd-i2c,ir-kbd-gpio)
## Default: ""
#
# load given lirc driver module
#
LIRC_MODULE=""

## Type:    string
## Default: ""
#
# listen for network connections on specified port.
# WARNING: don't use this on a machine with an internet
# connection as lircd is running as root!
#
LIRCD_LISTENPORT=""

## Type:    string
## Default: ""
#
# connect lircd to specified host
#
LIRC_CONNECT=""

Äæää íääí ñíçääòü /etc/lircd.conf, â êíöìðíí ïíèñáíü êíäü éíííè íóèüòà. Ä æèðáèòíðèè
/usr/share/lirc/remotes èääèò áíöíäüá ïíèñáíèý ðàçèè-íüö íóèüòíà, è òàì äàæå ý íàøää ñáíè íóèüò à
èâíàèííâ /etc/lircd.conf also use --no-namespace --no-namespace --no-namespace --no-namespace --no-namespace --no-namespace
# ïíçääé íàíè èíöèà, äæèðòñíý ïöí êíäíèñòòò -H -d /dev --disable-namespace
/etc/lircd.conf
äëý ïíääí ðáññèääðáíñòòò -H sb0540 -d /dev/usb/hiddev0 --disable-namespace /etc/lircd.conf
Íà ïðèèèèðáíèà çàæàòü éíííèó, çàæèìääì íà íóèüòà ÄÓ èàèòþ-íèáóäü éíííèó è äàðæèì äå. Íà ýððáíà
ïðè íàæàðèè äíèæíü ïöíäðæàòüñý òí-èè.
Äæää ïðíððáíà ñíðíñèò, èàè áóääò íàçüâàòüñý éíííèà. Íàæèðääì, íàíðèìäð, 1, äààè "Enter" è æíàì íà
íóèüòà ÄÓ òíæå "1", çàòàì 2, "Enter", "2" íà ÄÓ, è ò.ä. äñà éíííèè. Ííñèà äáíàà äñàð éíííèè íóèüòà
íàæèìääì ïðíðð "Enter" è çàòàì ïðíððáíà ñíðíñèò íàæèìàòü èàèòþ-íèáóäü éíííèó. Íáíáðíæèì íà
ÇÄæèìàòü, à ÍÄæàòü, èàè ïíæíí áúñððää. Ä ðàçöèüòàðà ïíèó-èòüñý /etc/lircd.conf ïðèìäðíí ñ òàèèì
ñíääðæèìüì
# Please make this file available to others
# by sending it to
```

```
#
# this config file was automatically generated
# using lirc-0.8.6(sb0540) on Wed Jun 2 02:21:43 2010
#
# contributed by
#
# brand:          Creative
# model no. of remote control: RM-1500
# devices being controlled by this remote: Audigy 4
#
```

```
begin remote
```

```
name Creative_RM-1500
bits      16
eps       30
aeps      100
```

```
one       0 0
zero      0 0
pre_data_bits 16
pre_data  0x8322
gap       103967
toggle_bit_mask 0x0
```

```
begin codes
```

```
POWER      0x0000000000000619E # Power
1          0x00000000000008B74 # 1
2          0x00000000000008F70 # 2
3          0x0000000000000906F # 3
4          0x00000000000008A75 # 4
5          0x0000000000000847B # 5
6          0x00000000000007887 # 6
7          0x00000000000008976 # 7
8          0x0000000000000837C # 8
9          0x00000000000007788 # 9
0          0x0000000000000807F # 0
CMSS       0x0000000000000718E # CMSS
EAX        0x00000000000008C73 # EAX
MUTE       0x00000000000006E91 # Mute
VOLUMEDOWN 0x0000000000000639C # Vol_Down
VOLUMEUP   0x0000000000000629D # Vol_Up
UP         0x00000000000007B84 # Up
LEFT      0x00000000000008778 # Left
OK        0x0000000000000817E # Ok
RIGHT     0x0000000000000758A # Right
DOWN     0x00000000000008D72 # Down
RETURN    0x00000000000008E71 # Return
START     0x00000000000008877 # Start
```


end

```
begin
button = MUTE
prog = irexec
config = amixer sset Master mute
config = amixer sset Master unmute
repeat = 0
delay = 0
end
```

```
~/.lirc/tvtime begin
button = POWER
prog = irexec
config = tvtime &
config = tvtime-command QUIT
end
```

```
begin
  prog = irexec
  button = UP
  config = tvtime-command UP
  repeat = 1
end
begin
  prog = irexec
  button = DOWN
  config = tvtime-command DOWN
  repeat = 1
end
```

```
begin
  prog = irexec
  button = DISPLAY
  config = tvtime-command DISPLAY_INFO
  repeat = 1
end
```

```
begin
  prog = irexec
  button = MUTE
  config = tvtime-command TOGGLE_MUTE
end
```

```
begin
```

```
    prog = irexec
    button = 1
    config = tvtime-command CHANNEL_1
end
begin
    prog = irexec
    button = 2
    config = tvtime-command CHANNEL_2
end
begin
    prog = irexec
    button = 3
    config = tvtime-command CHANNEL_3
end
begin
    prog = irexec
    button = 4
    config = tvtime-command CHANNEL_4
end
begin
    prog = irexec
    button = 5
    config = tvtime-command CHANNEL_5
end
begin
    prog = irexec
    button = 6
    config = tvtime-command CHANNEL_6
end
begin
    prog = irexec
    button = 7
    config = tvtime-command CHANNEL_7
end
begin
    prog = irexec
    button = 8
    config = tvtime-command CHANNEL_8
end
begin
    prog = irexec
    button = 9
    config = tvtime-command CHANNEL_9
end
begin
    prog = irexec
    button = 0
    config = tvtime-command CHANNEL_0
end
```

```

begin
  prog = irexec
  button = OK
#  config = tvtime-command ENTER
  config = tvtime-command SHOW_MENU &
  config = tvtime-command ENTER
end
#begin
#  prog = irexec
#  button = OK
#  config = tvtime-command MENU_SHOW
#end

```

```

begin
  prog = irexec
  button = RETURN
  config = tvtime-command CHANNEL_JUMP
  repeat = 1

```

end

Äÿ íðìàèüííé ðàáíòù irexec áâí íàâí ñíà-:àèà çàíòíòèèòù èàè äáííí irexec -d è äíááàèòù á àâðíçàãðóçéó íêííííí íáíáäæáðà.

Áìò ñíáñòááííí è äñá.

Óäà-è!

Ïðèíá-:áíèá: Áñèè ó TV-tunera áñòù ííáááðæèà íóèùòà, òí íí (íóèùò) áèèèòñÿ ñèñòáííé, èàè íáù-ííá óñòðíéñòâí áâííàà /dev/input/eventX (ãää X íííáð óñòðíéñòáà). Èàè ñáíáíáðàçíäÿ èèàèèèòóðà. cat /proc/bus/input/devices áùááááò ààí áñá ààøè óñòðíéñòáà input. Äÿ äâí ðàáíòù ííá lírc èñííèüçóéòá äðàéááð devinput, à á èà-:áñòáá óñòðíéñòáà /dev/input/eventX.