

Óñoàííàèà Lirc. Ííäëþ-áíèà ÁÓ íóëüòà è OpenSuse 11.2

Ðàçäæ : Ìðíàðàíííà íáñíá-áíèà

Ìíóáëèèíáíí [DrStrip](#) [06/06/2010]

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

Á ñòàòüà ðèñíüáàòñý ðíäëþ-áíèà, èííèðàóííáí óñoðíéñòàà CREATIVE SB 0540 è íóëüòà RM-1500, íí ý ðèñíüðòñü ðèñíàòù á ñòàòüà íáúèà ðíáííóó óñoàííàèè è íàñòðíéèè, èíòíðúá, íáááðñü ðíííáóò áàí ðíäëþ-èòù äðóáèà IR óñoðíéñòàà. Á èíáðáðíáòá ðííáí èíòíðíàòèè, í íàñòðíéèà Lirc, íí á áíèüðáííòàà ðèñíüá àòñòðèóòòáí ðíáííòàà Debian, èíòíðúá "íáñíèüèí"

Äèý óíðàáèáíèý ðàçèè-íúèè IR óñoðíéñòààíè à Linux, èñííëüçóáòñý ðàèáò Lirc (Linux Infrared Remote Control), èíòíðúé è áúè óñoàííàèáí á ñèñòáíà. Á ðàèáò áðíàèò íáñíèüèí óòèèèò è ááííí, èíòíðúé è íáíí íàñòðíèòù äèý ðááíòù ñ íàðèè ðáññèàáðíí è íóëüòíí.

Íà ñàèòá <http://www.lirc.org/> á ðàçäæà áíèóíáíóàòèè, ý ðèñíüðòàè ðèñííèè ðíáááðæèááííáí íáíðóáííááíèý [Detailed list of supported hardware](#), á èíòíðíí áúèí íàéááíí ðíá óñoðíéñòáí.

Ðáññèàáð áúè ðíäëþ-áí à USB, è á ñèñòáíà ðíýàèííü ðííáí óñoðíéñòáí /dev/usb/lirc, íà áñýèèè ñèò-áè ý áàè ððáàà áñáí ðíèüçíáàòáèýí íà ýòí óñoðíéñòáí.chmod 666 /dev/usb/lirc

Íàñòðíéèè lirc ððáíýòñý á ðàéèà /etc/sysconfig/lirc, ðèððúáááí ááí íà ðááàèòèðíáíèà. Íèæá ðèè ðàéè /etc/sysconfig/lirc, á èíòíðúé ý áíáàáèè ñáíè ððèíá-áíèý íà ðòññèíí, 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 ððáàà äèý áñá ðíèüçíáàòáèèè

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"
#Ääëääð òñòðíéñòää íàðäë â http://www.lirc.org/html/table.html

## Type:      string
## Default:   ""
#
# read from given device
#
LIRCD_DEVICE="/dev/usb/hiddev0"
#Ìíà òñòðíéñòâì èìòìðíà ñíçääëíñü ïðè ïíäëëþ-áíèè ðáññèèääðà 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
#
LIRCD_CONNECT=""

Ääëää íàâì ñíçääòü /etc/lircd.conf, â èìòìðì ïíèñàíü èíäü éíííè ïóëüòà. Ä äèðäèòìðèè
/usr/share/lirc/remotes èääàò àìòíäüà ïíèñàíèý ðàçèè-íüð ïóëüòíà, è òàì ääëä ý íàðäë ñàíè ïóëüò à
èäíàèíä /etc/lircd.conf also usb ñíçääëíñü ïðè ïíäëëþ-áíèè ðáññèèääðà â usb ñíçääëíñü ïðè ïíäëëþ-áíèè
# 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
```

```
CANCEL      0x00000000000007C83 # Cancel
REC         0x0000000000000738C # Rec
OPTIONS     0x0000000000000827D # Options
DISPLAY     0x00000000000007689 # Display
PREVIOUS    0x00000000000007F80 # Previous
PLAY        0x00000000000007986 # Play
NEXT        0x00000000000007A85 # Next
SLOW        0x00000000000007D82 # Slow
STOP        0x0000000000000857A # Stop
STEP        0x00000000000007E81 # Step
```

end codes

end remote

```
Çàïõñèààì àáííì lircsudo /etc/init.d/lirc start
Íáñòðíééà ìðèèíæáíéé ìðíèñõíàèð ÷áðç òàèèù
: A camera da parete che ci ha fatto un sacco di bene, anche a noi i dialeuúí, òí àù ìéó÷èòà
ìðèíàðíí òàèíà000000008322847b 00 5 Creative_RM-1500
000000008322847b 00 5 Creative_RM-1500
000000008322906f 00 3 Creative_RM-1500
000000008322619e 00 POWER Creative_RM-1500 Æèàðòàèùíí ìðííæèìàòù ÆÑÁ éíííèè íà ìóèùòà
è ìðíàðèòù ìðààèèùííòù éíàíà. Ó íáíý íàíðèíàð, íáèíòíðùá éíííèè ñðàáàòùáàèè íàíðààèèùíí, ìíèà íà
óñòàííàèè toggle_bit_mask 0x0 à /etc/lircd.conf.
Îñòàèíñù íàñòðíéèòù ìðèèíæáíéé ãèý ðàáíòù ñ lirc. Íáñòðíééà ìðèèíæáíéé ìðíèñõíàèð ÷áðç òàèèù
/etc/lircrc (èíòíðùé íáùèè ãèý àñàð ìíèùçíàòàèè) è/èèè /home//.lircrc ãèý èàæáííà ìòààèùíí. ãàñòù
ìðèèíæáíéé èìàðò íàðèèíòá ìíàáðæéó lirc (mplayer,audacious), ãèý òáð æá ìðèèíæáíéé éíòíðùá íà
òíàðò ðàáíòàòù ñ lirc, íí ðàáíòàðò ñ éíííàíííé ñòðíééíé áñòù óòèèèòà irexec, éíòíðàý ìíçáíèýàò
àùííèíýòù èðáùá éííàíáù, ìðèíæàðèè éíííèè ìóèùòà, à èà÷áñòàá ìðèíàðà ý ìðèáááó ñáíè òàèù
éííòèáóðòàèè ãèý ðàáóèèðíáèè çáóèà ñ ìóèùòà è TVtime. ~/.lircrc include ~/.lirc/vlc
include ~/.lirc/tvtime
```

```
begin
prog = irexec
remote=*
button = VOLUMEUP
config = amixer sset Master,0 5%+
repeat = 0
delay = 0
end
```

```
begin
prog = irexec
remote=*
button = VOLUMEDOWN
config = amixer sset Master,0 5%-
repeat = 0
delay = 0
```

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 äíáääèòù á àâðíçàãðóçéó íèííííí íáíáäæáðà.

Áìò ñíáñòááííí è äñá.

Óää-è!

Ïðèíá-:áíèá: Áñèè ó TV-tunera áñòù ííáááðæèà íóèüòà, òí íí (íóèüò) áèèèòñÿ ñèñòáííé, èàè íáú-ííá óñòðíéñòâí áâííàà /dev/input/eventX (ãää X íííáð óñòðíéñòâá). Èàè ñáíáíáðàçíáÿ èèàèèèòóðà. cat /proc/bus/input/devices áúááááò ààí áñá ààøè óñòðíéñòâá input. Äÿ áâí ðàáíòù ííá lírc èñííèüçóéòá äðàéááð devinput, à á èà-:áñòâá óñòðíéñòâá /dev/input/eventX.