

Óñoàííàèà Lirc. Ííäëþ-áíèà ÁÓ íóëüòà è OpenSuse 11.2

Ðàçäáè : Íòíàðàíííà íáñíá-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 íááí ó íáíý íááúèí. Íí ó íáíý ààáíí èäæàè íóëüò (RM-1500) ñ ðáññèàáðíí (SB0540) òò Audigy 4, èíòíðúé áíèæáí áúè óíðàáèýòü çàóéíáúí ñíðòíí òò CREATIVE. ß ðáðèè èñííèüçíáàòü ýòè óñoðíéñòàà äèý óíðàáèáíèý TVTime, èíòíðúé ý áúáðàè äèý íðíñíòðà ÒÁ.

Á ñòàòüà ííèñúáààòñý ííäëþ-áíèà, èííèðàòííáí óñoðíéñòàà CREATIVE SB 0540 è íóëüòà RM-1500, íí ý íííüòðñü ííèñàòü á ñòàòüà íáúèà íííáíóú óñoàííàèè è íàñòðíéèè, èíòíðúá, íáááðñü íííáóò áàí ííäëþ-èòü äðóáèá IR óñoðíéñòàà. Á èíáðáðíáòá íííáí èíòíðíàèè, í íàñòðíéèá Lirc, íí á áíèüðáííòàà ííèíá äèñòðèóòòááí íáíáèñòàà Debian, èíòíðúá "íáñéíèüèí" ■

Äèý óíðàáèáíèý ðàçèè-ííèè IR óñoðíéñòààíè à Linux, èñííèüçóáòñý íàèáò Lirc (Linux Infrared Remote Control), èíòíðúé è áúè óñoàííàèáí á ñèñòáíá. Á íàèáò áðíàèò íáñéíèüèí óòèèèò è ááííí, èíòíðúé è íááí íàñòðíèòü äèý ðááíòü ñ íàðèí ðáññèàáðíí è íóëüòíí.

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

Ðáññèàáð áúè ííäëþ-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 ððáíýòüñý á ðáèèá /etc/sysconfig/lirc, íèèðüáááí ááí íà ðááàèòèðíáíèá. 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 ííèüçíáàòáèèáè

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 òñòðíéñòää ìàðäë à http://www.lirc.org/html/table.html

## Type:      string
## Default:   ""
#
# read from given device
#
LIRCD_DEVICE="/dev/usb/hiddev0"
#Ìíà òñòðíéñòääì èìòìðíà ñíçàäëíñü ìðè ìäëëþ-áíèè ðãññèääðà à 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 ìääì ñíçààðü /etc/lircd.conf, à èìòìðì ììèñàíü èíäü éíìíè ìóëüðà. Ä äèðäèòìðèè
/usr/share/lirc/remotes äääàð àìòìäüà ììèñàíèý ðàçèè-íüð ìóëüðíà, è òàì ääää ÿ ìàðäë ñàíè ìóëüð à
èäèäèíä /creative/lircd.conf also usb ñíçàäëíñü ìè-ääì ìà ðàäìäèì
ìýòìò ÿ ñíçàäë ñàíè èíòà, ääèäðíý ÿð èíäèèñòð -H -d /dev --disable-namespace
/etc/lircd.conf
äëý ìíääì ðãññèääðàìrrecord -H sb0540 -d /dev/usb/hiddev0 --disable-namespace /etc/lircd.conf
Ìà ìðèäèäðáíèà çàäàðü éíìíéó, çàæèààì ìà ìóëüðà ÄÓ èäèóþ-ìéáóäü éíìíéó è ääðæèì ää. Ìà ýðäíà
ìðè ìàäàðèè äíèäíü ìòìäðääòññý òì-èè.
Ääëää ìðìäðàìà ñìðìñèð, èàè áóääò ìàçüâàòññý éíìíèà. Ìàäèðääì, ìàìðèìäð, 1, äääè "Enter" è æìàì ìà
ìóëüðà ÄÓ òìä "1", çàðàì 2, "Enter", "2" ìà ÄÓ, è ò.ä. àñà éíìíè. Ììñèà äàíàà àñàð éíìíè ìóëüðà
ìàæèìääì ìðìñòì "Enter" è çàòàì ìðìäðàìà ììðìñèð ìàæèìàòü èäèóþ-ìéáóäü éíìíéó. Ìàìäðìäèì ìà
ÇÄæèìàòü, à ÌÄæàòü, èàè ììæíì áüñòðäå. Ä ðàçòèüðàðà ììéó-èòññý /etc/lircd.conf ìðèìäðí ñ òàèèì
ñíääðæèìì
# 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
Íàïïõí ãáëí áú ïðíááðèõù ðèáíòàòèè òì ÷òí Ùíáíñòèðèè
: A camera da parete che si installa in un punto fisso, anche a
iðèìáðíí òàèíá000000008322847b 00 5 Creative_RM-1500
000000008322847b 00 5 Creative_RM-1500
000000008322906f 00 3 Creative_RM-1500
000000008322619e 00 POWER Creative_RM-1500
Æáèàðáèùíí ïðíáæèìàòù ÆÑÁ éííèè íà íóèùòá
è ïðíááðèòù ïðáàèèùííñòù éíáíá. Ó íáíý íàíðèíáð, íáèíòíðùá éííèè ñðááàòùáàèè íáíðáàèèùíí, ïíèà íá
óñòáííáèè toggle_bit_mask 0x0 á /etc/lircd.conf.
Îñòàèíñù íáñòðíèòù ïðèèíæáíèý äèý ðááíòù ñ lirc. Íáñòðíèèá ïðèèíæáíèè ïðíèñòíáèò ÷áðç òàèèù
/etc/lircrc (èíòíðùè íáùèè äèý áñáð ïíèùçíáàòáèáè) è/èèè /home//.lircrc äèý èáæáíáí ïòááèùíí.
xáñòù ïðèèíæáíèè èíáðò íàðèáíóð ïíáááðæéó lirc (mplayer,audacious), äèý òáð æá ïðèèíæáíèè éíòíðùá íá
óíáðò ðááíòàòù ñ lirc, íí ðááíòàòù ñ éíííáíáííè ñòðíèéíé áñòù óðèèèòà irexec, éíòíðáý ïíçáíèýáò
áúííèíýòù èðáúá éííáíáú, ïðèíáæàðèè éíííè íóèùòá, á èà÷áñòáá ïðèíáðà ý ïðèáááó ñáíè òàèù
éííòèáóðáòèè äèý ðááóèèðíáèè çáóèá ñ íóèùòá 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 íðìàëüííé 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 íóèüòà, òí íí (íóèüò) áèäèòñý ñèñòáííé, èàè íáú-ííá óñòðíéñòâí áâííàà /dev/input/eventX (ãäá X íííáð óñòðíéñòáà). Èàè ñáíáíáðàçíäý èèàèèèòóðà. cat /proc/bus/input/devices áúááááò ààí áñá ààøè óñòðíéñòáà input. Äÿ äâí ðàáíòù ííá lírc èñííèüçóéòá äðàéááð devinput, à á èà-:áñòáá óñòðíéñòáà /dev/input/eventX.