

Re: Since chvt works, the problem must be the keymap

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Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2007-04/msg04773.html>

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 - *Date:* Mon, 30 Apr 2007 12:21:18 +0200
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On Mon, Apr 30, 2007 at 00:26:12 +0100, David Claughton wrote:

Florian Kulzer wrote:

It would be interesting to see which keycodes and keysyms are reported if you run "xev", press (and hold) both CTRL and ALT, and then press F1, F2, etc. Does xev really display the keycodes for the Fn keys and the keysyms "XF86_Switch_VT_n"? Are the hexadecimal keysym values the same as the ones that you get with "grep VT /usr/share/X11/XKeysymDB"?

As another "sufferer" of this problem I thought I would give this a try – I get ...

```
KeyPress event, serial 29, synthetic NO, window 0x2600001,
root 0x3e, subw 0x0, time 1066810844, (622,696), root:(630,759),
state 0x10, keycode 37 (keysym 0xffe3, Control_L), same_screen YES,
XLookupString gives 0 bytes:
XmbLookupString gives 0 bytes:
XFilterEvent returns: False
```

```
KeyPress event, serial 29, synthetic NO, window 0x2600001,
root 0x3e, subw 0x0, time 1066810861, (622,696), root:(630,759),
state 0x14, keycode 64 (keysym 0xffe9, Alt_L), same_screen YES,
XLookupString gives 0 bytes:
XmbLookupString gives 0 bytes:
XFilterEvent returns: False
```

```
KeyPress event, serial 29, synthetic NO, window 0x2600001,
root 0x3e, subw 0x0, time 1066815357, (622,696), root:(630,759),
state 0x1c, keycode 67 (keysym 0xffbe, F1), same_screen YES,
XLookupString gives 0 bytes:
XmbLookupString gives 0 bytes:
XFilterEvent returns: False
```

I think that is part of the problem: Even though you hold down CTRL and

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ALT before you press F1, you still get the normal "F1" keysymbol and not the "XF86_Switch_VT_1" one. If I run "xev" and press the three keys then I never see the KeyPress event for F1 because X switches to the terminal. If, on the other hand, I disable VT switching in my xorg.conf then I still do not get any event for F1 if I press it while CTRL + ALT are held down. Something within X obviously intercepts these events and processes them or deletes them from the event queue, depending on the settings in xorg.conf.

[snip: we see the expected three KeyRelease events]

And "grep VT /usr/share/X11/XKeysymDB" returns :

XF86_Switch_VT_1 :1008FE01

[...]

I have the same here.

Does this tell anyone anything?

Check what is assigned to keycode 67. I see this:

```
$ xmodmap -pk | egrep '^[ ]+67 '  
67 0xffbe (F1) 0x1008fe01 (XF86_Switch_VT_1)
```

If your output looks different then you can try if

```
xmodmap -e 'keycode 67 = F1 XF86_Switch_VT_1'
```

restores the VT switching.

Regards, | <http://users.icfo.es/Florian.Kulzer>
Florian |

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