

## Re: [rfc/rft] Fujitsu B-Series Lifebook PS/2 TouchScreen driver

**Source:** <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-03/0139.html>

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**Date:** 03/01/05

Date: Tue, 1 Mar 2005 13:08:39 +0100

To: Kenan Esau <[kenan.esau@conan.de](mailto:kenan.esau@conan.de)>

On Tue, Mar 01, 2005 at 09:11:49AM +0100, Kenan Esau wrote:

> > *This looks like it either expects some other data (like a second  
> > parameter to the command?) or just wants the 0x07 again (and not the  
> > whole command) to make sure you really mean it.*  
> >  
> > *Could you try sending 0xe8 0x07 0x07?*  
>  
> *My old driver did that. But with the same result. It doesn't seem to  
> matter what the first and the second bytes are -- the answers from the  
> device are always the same.*

So even 0xe8 0x03 returns error?

Maybe we should send a command after this (any command), to make sure the

```
psmouse->set_rate(psmouse, psmouse->rate);
```

call succeeds and is not confused by the 0xfc response.

> > > *At the end of this mail you'll find some traces I did.*  
> > >  
> > > *I also wonder if it is possible at all to probe this device. I think  
> > > not. IMHO we should go for a module-parameter which enforces the  
> > > lifebook-protokoll. Something like "force\_lb=1". Any Ideas /  
> > > suggestions?*  
> >  
> > *I'd suggest using psmouse.proto=lifebook*  
>  
> *The current patch has implemented it that way. But the meaning is a  
> little bit different. With proto=lifebook you ENFORCE the lifebook  
> protocol. As far as I read the meaning of the other ones this does not  
> really enforce these protocols.*

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That's OK. I'd like to keep the DMI probing as well, though, so it's not absolutely necessary to provide the parameter.

- > > > *How does this work out with a second/external mouse?*
- > >
- > > *The external mouse has to be in bare PS/2 mode anyway, so we don't need*
- > > *to care.*
- >
- > *Why that?*

Can you send any commands to the external mouse? How the touchscreen reacts when the mouse starts sending 4-byte responses? We process the external mouse packets inside lifebook.c anyway and we don't have any support for the enhanced protocols there.

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