

## Re: USBSER.SYS: where to get a bug-free version?

**Source:**

<http://www.tech-archive.net/Archive/Development/microsoft.public.development.device.drivers/2004-08/1700.html>

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First of all I'm not so sure if Windows supports composite devices at all – not to support is one thing, but producing BSOD's because of not supporting is another.

DFU specs (chapt. 4.1.) say:

"During normal run-time operation, the device exposes its normal set of descriptors. However, the following additional descriptors are inserted within each run-time configuration that supports DFU:

- A single DFU class interface descriptor
- A single functional descriptor

#### 4.1.1 Run-Time Device and Configuration Descriptors

The run-time descriptor set exposes the device's normal run-time device and configuration descriptors.

The bNumInterfaces field of configuration descriptor of each configuration that supports DFU is incremented by one to accommodate the addition of the run-time DFU interface."

Our device was checked by a validator program on MAC OS and looks fine. Windows ends up with a BSOD with this implementation of DFU specs. I think for DFU support this IS a requirement.

What do you think?

Holi

Marc Reinig wrote:

- > *The USB spec has many features. Some are required and are labeled as such.*
- > *Some are optional and are not labeled as required. Which of the required*
- > *features do you feel have been either omitted or incorrectly implemented.*
- >
- > *Marc Reinig*
- > *System Solutions*