

# globalsat bu-353 usb gps using serial or ps2 port

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*Source:* <http://sci.tech-archive.net/Archive/sci.geo.satellite-nav/2005-09/msg00624.html>

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- *From:* "Spacey Spade" <[spaceygum@xxxxxxxxxx](mailto:spaceygum@xxxxxxxxxx)>
  - *Date:* 14 Sep 2005 15:30:05 -0700
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Because I believe my P200 laptop can't handle the USB gps and playing mp3s at the same time (without skips in mp3 playback), I tried hooking up the BU-353 gps via the ps-2 port with one of those adapters you get for the mouse. The gps gets power and is blinking, having locked it's coordinate position (in my bedroom!). However, Deluo Routis 2004 does not "auto detect" the gps, saying there is no gps hooked to the computer. Is there any way to make this work?

If anyone has seen a USB -> Serial -> Serial Port adapter, I can try that in addition to my current USB -> PS2 -> PS2 Port adapter I have now.

TIA,

Spacey

[For-Soft]

Is USB support slow in windows 98?

USB mouse vs. PS2 or COM mouse. USB mouse does not work smoothly quite often when CPU is heavily used. PS2 mouse simply works.

Reason?

PS2 port requires much less CPU time in order to be serviced by the OS.

Theory:

The USB bus is run by the controller software driver. Any trasmission requires the driver to process it, because the USB bus is designed to be shared by many different devices in the same time. So, it is necessary to manage the USB bus with complicated and time consuming way.

PCMCIA is a very interesting system. The PCMCIA card after initiating by the PCMCIA manager software behaves like a hardware component connected directly to the motherboard bus (ISA or PCI depending on the PCMCIA controller type). It is possible to access the PCMCIA card registers using CPU IO ports without any additional PCMCIA drivers. To put it simple PCMCIA driver is necessary only to configure the PCMCIA device. After that, the device works with it's own driver and it is not necessary to use PCMCIA controller software, any more.

The point:

The multi purpose of the USB bus is the cause of it's weakest point:

high CPU demand.

The USB is good for very fast computers. But, IO devices like LPT, COM or PS2 are handled faster by the OS.

[/For-Soft]

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• *Follow-Ups:*

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◇ *From:* Spacey Spade

- ◆ **[Re: globalsat bu-353 usb gps using serial or ps2 port](#)**

◇ *From:* Jack Erbes

- ◆ **[Re: globalsat bu-353 usb gps using serial or ps2 port](#)**

◇ *From:* Dennis Pogson

- Prev by Date: **[Re: Garmin has posted StreetPilot c320 and c330 software version 4.20](#)**
- Next by Date: **[VOICE + MS Streets & Trips 2006, MS AutoRoute 2006](#)**
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