

# Re: Firmware Hub Programmer

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-04/msg04441.html>

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- *From:* [songoku\\_@xxxxxxxxxx](#) (Hayato)
  - *Date:* 24 Apr 2005 06:05:11 -0700
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Hello,

Thanks for the reply.

But it probably wont work for me... The main problem is that the FWH is soldered on the Mobo.

Thanks.

snovotill@xxxxxxxxxxx wrote in message news:<0f3m611fd2qk bdt22au8s6e0gr6evvirne@xxxxxxxx>...

> On 23 Apr 2005 19:47:46 -0700, [songoku\\_@xxxxxxxxxx](#) (Hayato) wrote:

>

>>Hello,

>>I need to program a Intel 82802A Firmware Hub, and I wish to know if

>>anyone has a simple/low-cost programmer for it.

>>

>>Thanks

>

> Here is a schematic of the firmware hub on a motherboard.

> <http://www.intel.com/design/intarch/designgd/25131902.pdf>

>

> This will likely work(it works with older flash chips):

>

> 1) Get a Mobo which has the FWH in a socket.

> 2) Boot the motherboard to DOS using the original FWH.

> 3) Pop the original FWH out of the socket quickly and evenly.

> 4) Seat the new blank FWH into the socket (see note)

> 5) Use the Mobo BIOS flash program to burn your custom bits.

>

> Note: when inserting the new-blank FWH, it is paramount

> that the VCC and GND contacts make before any other pins,

> otherwise you will ruin the chip.

>

> Stepan

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• *References:*

- ◆ [\*Firmware Hub Programmer\*](#)

Re: Firmware Hub Programmer

◇ *From:* Hayato

◆ ***Re: Firmware Hub Programmer***

◇ *From:* snovotill

- Prev by Date: ***Re: 5V 100A secondary, 115V primary***
- Next by Date: ***Re: 5V 100A secondary, 115V primary***
- Previous by thread: ***Re: Firmware Hub Programmer***
- Next by thread: ***5V 100A secondary, 115V primary***
- Index(es):
  - ◆ ***Date***
  - ◆ ***Thread***