



## WAREZ D00D! - delta\_november

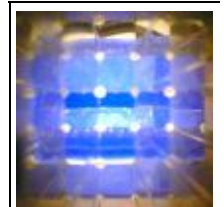
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Sep. 3rd, 2011

01:50 pm - **WAREZ D00D!**



A while back I [posted](#) my intention to hack my DPO2014 oscilloscope to add some extra option modules. Today was the day I finally got around to it.



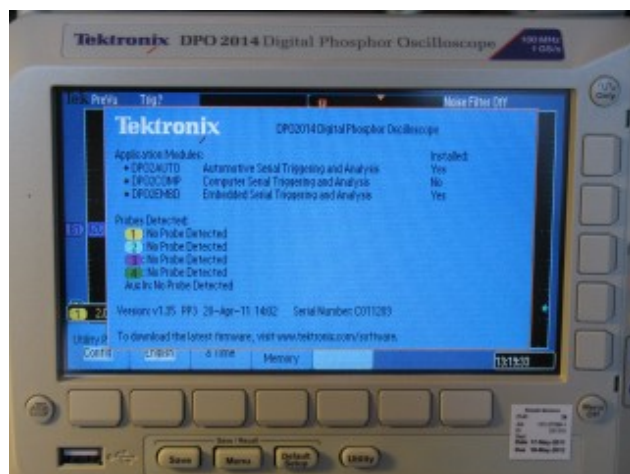
Here's the top side of an authentic DPO2COMP option module, along-side my knock-off unit. You can hardly tell the difference.



Here's the business side. I'm hardly the first person to make this modification, though I believe this particular configuration is unique.

The bill of materials:

- A cell phone SIM card socket (H10743-ND from Digikey), with all extraneous parts removed.
- An I2C EEPROM chip (24LC08BT-I/OTCT-ND from Digikey), programmed for DPO2AUTO and DPO2EMBD
- Some 30 AWG wire-wrap wire
- A piece of blank 1/16" FR4
- Scotchweld 2216 gray epoxy



And here is the result. The DPO2000 scope can only cope with two option modules at one time. If I need to use DPO2COMP I must unplug my key and install the legitimate one. If I need DPO2COMP plus one of the other two I can reprogram my key for the desired combination. My programmer is a SiLabs 8051F330 dev kit.

That's all the hacking that can be done to this particular scope. I almost wish I'd bought one of the more expensive models that has more

options to unlock. And if I do, Tektronix's sneaky marketing-by-vulnerability will have worked. The DPO3000 and DPO4000 appear to use the same sorts of keys. The fancier models use floating network licenses which are presumably immune to hacking with a soldering iron.

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**From:** *(Anonymous)*

**Date:** December 27th, 2013 01:49 pm (UTC)

Tek hacking

[\(Link\)](#)

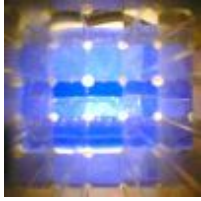
Don't loose time with this... just get a cheap TDS3FFT or TDS3TRG module (they're no longer useful, and hence pretty cheap on Ebay), reprogram them with the needed option name (it's a stupid I2C eeprom), that's it !! All DPO/MSO2K/3K/4K scopes use the same option modules !!

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**From:**  [delta\\_november](#)

**Date:** December 27th, 2013 02:14 pm (UTC)

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## Re: Tek hacking

Sure, that'd work too :). If I had to build more widgets, that'd be a good path to follow. Though right now on Ebay I see people trying to sell TDS3FFT and TDS3TRG modules for hundreds of dollars.

*Edited at 2013-12-27 02:15 pm (UTC)*

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