

"Russian" T1-> "Original" T1 (deRuSification)

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Author

Feuerbard

Experienced forum member

Joined: 21 Nov 2004

Posts: 118

Message

LINK

Posted: 10.09.2014 12:12

Quote

the adapter is easiest to make from mini-sd adapters - sd there are quite large contacts for soldering inside and the top is usually easily removed

and according to the experience of flashing nands in 4gb xboxes360, the card reader should be used for micro-sd, because they usually determine the connected automatically and do not use contacts to determine the inserted card

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Mannn

New forum member

Joined: 05 Aug 2014

Posts: 9

Feuerbard and

on 360x you also use a log converter. TXS levels ?????? a solid headache with his order .. again 2 weeks to wait ... Can someone tell me what it is used for, where it can be soldered ???.....

GaryN Please post a high-quality photo of your converted card reader (so that all changes can be seen when zooming)

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denver323

New forum member

Joined: 11 Nov 2014

Posts: 1

hello, here is also t1, and it looks like it will need to be hooked to the adapter. the symptoms are as follows: open book hangs, home + menu reaction is zero, hard reset according to the manual from Sonya did not help, restore with both versions of the software did not lead to anything (which version of the firmware I just don't know), when you press on for 10 seconds, it blinks yellow then nothing at all, when connected, the computer does not see any new devices or disks, respectively, when the charging is connected, it lights up red (I did not check it somehow in different ways), the battery was hooked to the discharge-charger, still alive. actually the question is if there is no this very txs104 than

you can replace it.

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kow771

New forum member

Joined: 04 Nov 2014


Posts: 1

GaryN

can describe in detail the firmware method and the wiring diagram of the programmer

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GaryN

The tempted member of the forum

Joined: 30 Sep 2012

Posts: 46

Location: USSR

LINK

Posted: 12.11.2014 05:19

Quote

kow771 wrote:

GaryN can describe in detail the firmware method and the wiring diagram of the programmer

? what details are missing

Everything? Come out to the field.

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lazerjet

Recent Forum Member

Joined: 17 Jan 2014

Posts: 12

GaryN wrote:

- find the GND and +1.8V circuits on the board (the easiest way is on the decoupling capacitor)

It is possible in more detail about the search for power on the board? Can you please explain what is a decoupling capacitor and where to find it?

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GaryN

The tempted member of the forum

Joined: 30 Sep 2012

Posts: 46

Location: USSR

LINK

Posted: 17.11.2014 00:28

Quote

lazerjet wrote:

It is possible in more detail about the search for power on the board? Can you please explain what is a decoupling capacitor and where to find it?

"decoupling" is a technical term, it is not necessary to understand it

On the reader board around each chip (in close proximity) you will see capacitors framing it (from one for small chips to a dozen for large ones). In most cases, these capacitors are connected to the power circuits of the corresponding microcircuit and are designed to provide the necessary local "quality" of the voltage supplying the microcircuit.

One terminal of the capacitor is connected to a common circuit (GND), the other - in fact, to the power circuit.

In readers, the main supply voltages are 3.3V, 1.8V, 1.2V. For our purposes, a voltage of 1.8V is required.

Thus, you need to find the capacitor:

1. which is located next to the problematic memory chip;

2. one terminal of which is connected to the GND circuit (i.e. it has a resistance of 0 ohms with the GND circuit when measured with an ohmmeter);

3. on the second output of which, immediately after turning on the reader, there is a constant voltage of 1.8V (measured with a voltmeter)

PS -

"reader" - an electronic book to be repaired

- as an ohmmeter, use a digital multimeter in the resistance measurement mode (and not in the "dialing" mode).

Everything? Come out to the field.

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Rommell83

Sophisticated forum member

Joined: 23 Jan 2012

Posts: 57

Location: yy

LINK

Posted: 22.05.2015 16:39

Quote

Gentlemen, how to fill in the dump? I mean software. Preferably on Windows. Let's say I've already unsoldered everything and the memory is defined on the computer, like a flash drive. How to upload a file with *.dd extension? Sorry if this is a noob question...

Digma E601 -> Sony PRS T1 -> Onyx Darwin

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Slavvy

Member of The eBook Club

THE EBOOK CLUB

Joined: 18 Nov 2011

Posts: 3835

LINK

Posted: 22.05.2015 18:21

Quote

Rommell83 See sidebar <http://www.the-ebook.org/forum/viewtopic.php?t=23354>

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Rommell83

Sophisticated forum member

Joined: 23 Jan 2012

Posts: 57

Location: yy

LINK

Posted: 22.05.2015 21:30

Quote

Slavvy Roadkil's Disk Image I think will do... Thank you.

Digma E601 -> Sony PRS T1 -> Onyx Darwin

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Hightech

New forum member

Joined: 27 Jul 2015

Posts: 1

LINK

Posted: 27.07.2015 14:05

Quote

GaryN

Hello. TXS0104ED - Will it fit? And then there are two types in the store: TXS0104ED TXS0104EPWR

Thanks in advance for your reply.

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ratkiller

New forum member

Joined: 30 Jan 2016

Posts: 4

LINK

Posted: 30.01.2016 22:54

Quote

Good day. I know this is an old thread, but I'll try anyway. When the book is connected to the computer through an adapter, a new disk appears, of the correct size, but it is in RAW format and not broken (as it should be, because this is clearly shown in the next topic). Merge dump or upload downloaded from the forum also does not work. When pouring, an error occurs in the first seconds (when using Roadkill and win32diskimager). The question is the correct definition of memory. Is everything done right? Or does something need to be changed? Or is there a problem in the microcircuit and the book cannot be saved? In general, all the work began because of the undetectableness of the book by a computer. There was no reaction, so it was decided to flash it. After the firmware, the book went into the "Open book" and did not respond to recovery attempts, although the firmware process went well. After that, it was decided to try the mechanical method of firmware. The adapter was soldered on TXS0108EPWR. Thanks in advance for your reply.

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bulden

New forum member

Joined: 27 Jul 2014

Posts: 5

LINK

Posted: 24.02.2016 20:11

Quote

Hello. I decided to write a review on the reader's firmware.

I was puzzled by the firmware of the book in a hardware way, tk. my book hung after discharging and stopped turning on at all, it only blinks with a yellow LED. For several days I trained to solder pieces of a single-core wire to the contact pads It seems that I solder everything, but after inserting it into the card reader, the wiring fell off. I fixed the converter on plywood, it became more reliable. The converter was purchased from the link <http://ru.aliexpress.com/item/TXS0104-4Bit-Bidirectional-Voltage-Level-Converter-I2C-IIC-Module/32473296012.html>

I also used a microCD adapter, and a 0.12 mm mounting wire. T.K. usb1 frequency is not high, the wiring from the microcircuit to the reader is about 7 cm. The reader was flashed somewhere in 40 minutes. After that, I shorted the contact pads with solder, because. could not solder the resistors back. Everything started, which I am very pleased with.

So next time it will be much easier to reflash.

If you have any questions you can ask.

Many thanks to GaryN for clearing up some adapter issues.

<http://imageshack.com/a/img921/1276/86K4f5.jpg>

<http://imageshack.com/a/img921/8999/mUsebE.jpg>

Sincerely, Denis.

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remserv52

New forum member

Joined: 03 Mar 2016

Posts: 2

LINK

Posted: 06.04.2016 17:30

Quote

Hello! I did everything as described, but when I start Roadkil's Disk Image store image it reaches 0.94% and the mms turns off (I have win8.1). What's the problem? I've already checked everything 10 times.

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radugaif

Member of The eBook Club

THE EBOOK CLUB

Joined: 16 Dec 2004

Posts: 1007

Location: Moscow Village

LINK

Posted: 07.04.2016 02:51

Quote

<http://www.the-ebook.org/forum/viewtopic.php?p=1270576#1270576>

Repair of electronic books in Moscow.

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E-mail ICQ

remserv52

New forum member

Joined: 03 Mar 2016

Posts: 2

LINK

Posted: 08.04.2016 18:53

Quote

I read and understood that I need to use all D0-D3. My wires are shortened very much. Tell me where to connect D1-D3 on the map and txs?

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ali151515

New forum member

Joined: 08 Apr 2016

Posts: 1

LINK

Posted: 08.04.2016 23:52

Quote

Good afternoon, guys, I need help with connecting, or rather, to assemble an adapter on a TXS0108E chip, who will help ???

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AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

LINK

Posted: 16.07.2016 23:16

Quote

Faced with a rewriting of a book, brought to the state of a brick. Chips TXS0104 could not be found, but found TXS0102. 2 conversion channels are enough for the eyes. Through them, I launched the command and data lines, and the clock through a resistive divider 1.5 / 1.8 com. The 1.8V power supply was taken from 3 connected points near the upper right corner of the chip <http://www.the-ebook.org/forum/viewtopic.php?p=1090218#1090218> The adapter was assembled based on the microSD-SD adapter. The firmware took 20 minutes.

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GaryN

The tempted member of the forum

Joined: 30 Sep 2012

Posts: 46

Location: USSR

LINK

Posted: 27.07.2016 20:13

Quote

AI11 wrote:

The adapter is assembled on the basis of the microSD-SD adapter. The firmware took 20 minutes.



Everything? Come out to the field.

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AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

LINK

Posted: 28.07.2016 00:43

Quote

We stand on that. Picked up another book yesterday.

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"Russian" T1-> "Original" T1 (deRUification)

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The eBook Forum Index -> Sony Reader -> Sony Reader yy yyyy Android OS

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Author

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Serenka

New forum member

Joined: 03 Jan 2017

Posts: 1

Posted: 04.01.2017 10:34

Quote

Is it possible to update the link to the dump of the "Russian" T1 firmware (Russian and English versions)?

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svenzzone New forum member

Joined: 26 Feb 2017

Posts: 1

Posted: 26.02.2017 21:33

Quote

Serenka wrote:

Is it possible to update the link to the dump of the "Russian" T1 firmware (Russian and English versions)?

I join the request. Please share a working link to the dump for PRS T1.

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Slavvy

Member of The eBook Club

THE eBook CLUB

Joined: 18 Nov 2011

Posts: 3835

Posted: 27.02.2017 22:03

Quote

Only Russified US version - "https://yadi.sk/d/ZdhBX70Axp73T".

PB 630/626/515

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WladUA

New forum member

Joined: 31 Jul 2014

Posts: 2

Posted: 25.05.2017 12:54

Quote

GaryN

good day)) I understand that a lot of time has passed since the creation of the topic. The pictures are all lost - could you post a photo of the wiring to the book again, if possible?

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E-mail

AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

Posted: 26.05.2017 13:48

Quote

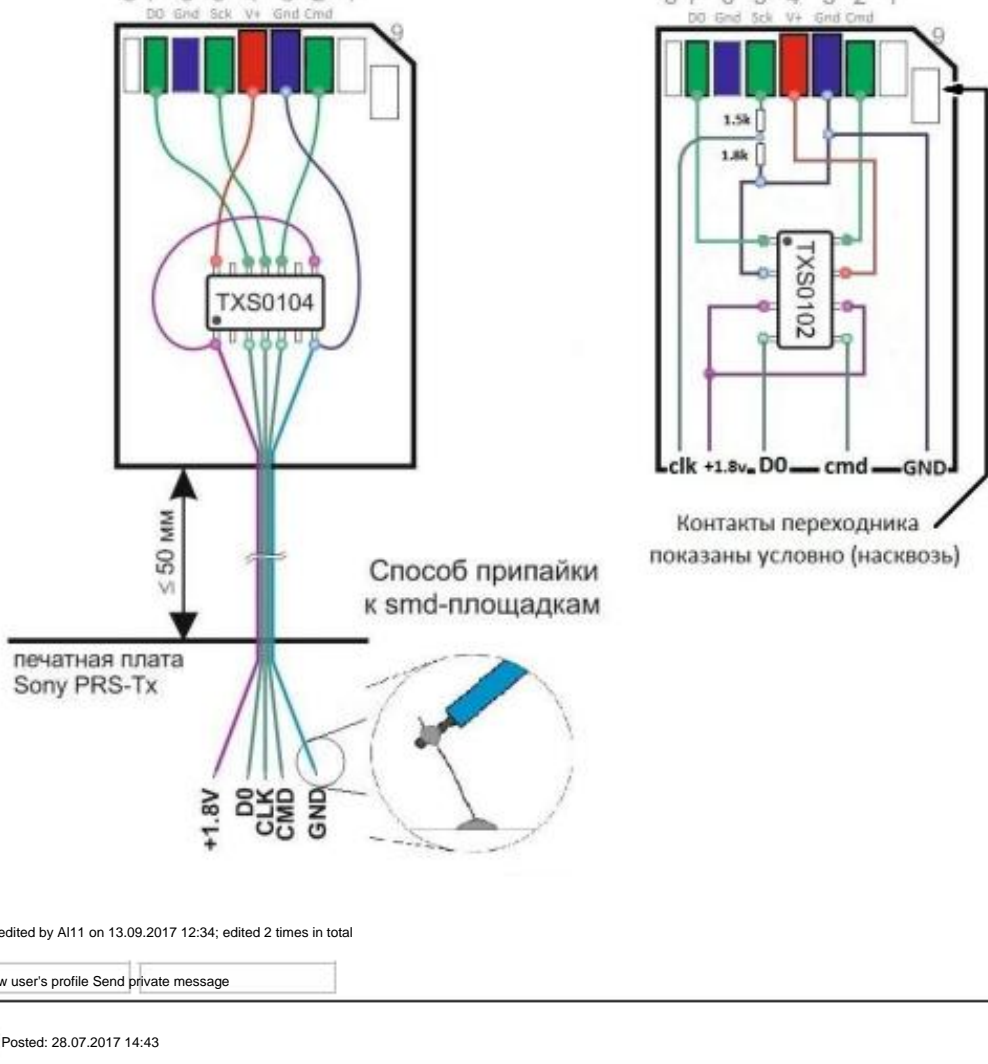
WladUA, catches:

<https://yadi.sk/i/GMRRN5qU3Mqr2V>



<https://yadi.sk/i/b6cpJ43n3JYQIX>

Монтажная схема адаптера



Last edited by AI11 on 13.09.2017 12:34; edited 2 times in total

Waldemaro

New forum member

Joined: 07 Dec 2016

Posts: 7

Posted: 28.07.2017 14:43

Quote

AI11

good day, the book prs-t1 died - formatted the system partition, by chance of course, and now I'm reading and I think that I won't be able to do shit myself. can you give me detailed instructions? Or send the adapter by mail? I'm desperate)

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AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

Posted: 28.07.2017 15:05

Quote

There are 2 links in the previous post. According to the first - 6 resistors must be removed and instead of them, solder the wires to the pads going to the microcircuit (left ones in the figure). On the second - 2 adapter circuits, depending on which chip is available. They are soldered directly on the SD-microSD adapter. We connect the ends of the adapter with the wires on the board, turn on the computer, and then connect the adapter to the reader in the computer. And we sew a disk. After the firmware, turn off the book and solder the removed resistors with wires. Turn on and enjoy life.

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Waldemaro New forum member

Joined: 07 Dec 2016

Posts: 7

Posted: 29.07.2017 14:10

Quote

AI11 wrote:

There are 2 links in the previous post. According to the first - 6 resistors must be removed and instead of them, solder the wires to the pads going to the microcircuit (left ones in the figure). On the second - 2 adapter circuits, depending on which chip is available. They are soldered directly on the SD-microSD adapter. We connect the ends of the adapter with the wires on the board, turn on the book, and then connect the adapter to the reader in the computer. And we sew a disk. After the firmware, turn off the book and solder the removed resistors with wires. Turn on and enjoy life.

"depending on which chip is available" - what if there is no chip? how to be?

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AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

Posted: 31.07.2017 11:23

Quote

Search. For example, here: <http://www.itis.spb.ru/catnal.htm> is txs0102. Or sculpt converters on a discrete ...

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Waldemaro New forum member

Joined: 07 Dec 2016

Posts: 7

Posted: 02.08.2017 16:41

Quote

AI11 wrote:

Search. For example, here: <http://www.itis.spb.ru/catnal.htm> is txs0102. Or sculpt converters on a discrete ...

in general, I decided to do everything myself. ordered TXS0104 4Bit <https://ru.aliexpress.com/item/TXS0104-4Bit-Bidirectional-Voltage-Level-Converter-I2C-IIC-NEW/32802145268.html?spm=a2g0s.9042311.0.0.Cgbulx>

I'll try to run it)) the question is - if I can't solder the CMD elements, then just by soldering the contacts - the book won't "die"?

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AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

Posted: 03.08.2017 02:51

Quote

Do not need. All removed resistors are simply closed with jumpers.

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Waldemaro New forum member

Joined: 07 Dec 2016

Posts: 7

Posted: 12.09.2017 19:20

Quote

pay came. now I will sculpt)

Posted after 11 hours 1 minute 28 seconds:

AI11 wrote:

Search. For example, here: <http://www.itis.spb.ru/catnal.htm> is txs0102. Or sculpt converters on a discrete ...

but on the board itself, where and which wires to stick? Tried to call and got nothing....

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AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

Posted: 13.09.2017 12:35

Quote

<https://yadi.sk/i/GMRRN5qU3Mqr2V>

Added after 1 minute 29 seconds:

Waldemaro wrote:

pay came. now I will sculpt) but on the board itself, where and where to stick the wires? tried to call and nothing understood....

<https://yadi.sk/i/GMRRN5qU3Mqr2V>

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Waldemaro New forum member

Joined: 07 Dec 2016

Posts: 7

Posted: 25.09.2017 18:06

Quote

AI11 wrote:

<https://yadi.sk/i/GMRRN5qU3Mqr2V>

Added after 1 minute 29 seconds:

Waldemaro wrote:

pay came. now I will sculpt) but on the board itself, where and where to stick the wires? tried to call and understood nothing....

<https://yadi.sk/i/GMRRN5qU3Mqr2V>

soldered, sees four disks in the device manager. what's next? how to flash?

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AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

Posted: 26.09.2017 14:03

Quote

After connecting the adapter to the book 1. Turn on the book. 2. We connect the adapter to the computer. 3. We are waiting for the appearance of a new disk. 4. Run DiskImage. 5. We select a disk that corresponds to our book and the firmware file. 6. Run the firmware (press Start). We are waiting for the end. Items 1 and 2 cannot be interchanged.

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Waldemaro New forum member

Joined: 07 Dec 2016

Posts: 7

Posted: 26.09.2017 18:39

Quote

AI11 wrote:

After connecting the adapter to the book 1. Turn on the book. 2. We connect the adapter to the computer. 3. We are waiting for the appearance of a new disk. 4. Run DiskImage. 5. We select a disk that corresponds to our book and the firmware file. 6. Run the firmware (press Start). We are waiting for the end. Items 1 and 2 cannot be interchanged.

On my book, the indicator lights up only in red. and does not respond to the power button even after a long charge. what could be?

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AI11

Sophisticated forum member

Joined: 18 May 2011

Posts: 41

Location: St. Petersburg

Posted: 28.09.2017 13:04

Quote

Measure the battery voltage. If less than 3V, unsolder and charge to 3.2-3.5V.

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SW1

New forum member

Joined: 28 Sep 2017

Posts: 2

Posted: 28.09.2017 13:45

Quote

Please share the dump to the book. also Russian version. hangs on the opening book. the adapter to the pc is already soldered

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SW1

New forum member

Joined: 28 Sep 2017

Posts: 2

Posted: 01.10.2017 19:33

Quote

Tired of waiting decided to pick at random. connected - it was defined as several disks, refused all formats. before picking, I wanted to dump a flash drive - it steadily fell off by 13% - I left this idea. one of the disks was defined as a 2GB flash drive (the rest can probably also be looked under Linux - I did not check it), copied the contents to everyone, deleted everything - it also hangs on "opening books". rolled up sd update and it started up, although earlier there was zero reaction to it. can anyone help.

Well, it's probably important - if Windows offers to format the rest of the partitions - ignore

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Waldemaro

New forum member

Joined: 07 Dec 2016

Posts: 7

Posted: 18.10.2017 20:19

Quote

in general, I charged the battery, but the book does not turn on, it lights up red at first, then turns off completely. disconnected the flash driver and the indicator started flashing yellow. what kind of bastard is this?

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