

Documented Manufacturer Issues with USB Flash Drives

Gigaware 4GB Flash Drive

Purchased @ Radio Shack

SDCZRSP-004G

BH1005OFBB

Made in China

<http://www.radioshack.com/product/index.jsp?productId=3650199>



Issue:

A PEM2.5 Logger will not communicate with the flash drive. The flash drive does communicate fine with PC.

The Gigaware flash drive has a very low power draw requirement to run, and it turns out to be lower than the PEM2.5 can detect. A PC's detection circuit recognizes a lower level of power draw than a PEM2.5 logger, so it (the computer) will communicate with the flash drive.

There is a chance that the older PEM2 (Serial numbers prior to P2_05290) will detect it; because the detection circuit is more sensitive; but it is not a guaranteed occurrence.

SanDisk Cruzer Micro Flash Drives Various Sizes available (16 GB shown)

SDCZ6-014G

Made in China

<http://www.sandisk.com/products/usb-flash-drives/cruzer-usb-flash-drive>



Issue:

Flash Drive may not communicate with PEM2 Loggers. It does communicate fine with PC.

SanDisk installed a “mini” OS on their Flash Drives called U3, that will store and run applications and provide a back-up utility & secure access. Often times the presence of U3 will interfere with the communication process between the Flash Drive and the logger.

SanDisk does offer a removal utility on their website. Performing a full reformat of certain versions of the Cruzer Micro will also remove U3. If the removal utility from the website is used, a full reformat is still recommended.

http://kb.sandisk.com/app/answers/detail/a_id/2550

Kingston DataTraveler 4 GB

Kingston DataTraveler 101, 4 GB (DT 101 G2).

http://www.kingston.com/us/usb/personal_business#dt101g2

http://www.kingston.com/datasheets/dt101g2_us.pdf



User reports that flash drive works with PEM2 loggers, but unable to download data from PEM2.5 loggers. Attempted reformatting but still unable to transfer files.

Kingston DataTraveler G3, 4GB

http://www.kingston.com/us/usb/personal_business#dtig3

http://www.kingston.com/datasheets/dtig3_us.pdf



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PNY Attache 2GB

PNY 2GB USB 2.0 Flash Drive -(3 Pack) Specifications Part # P-FD2GBX3ATT2-MF



- When inserted into a PEM2.5 logger the display reads -99- error plus Hourglass & Wrench.
- Tested on a series of PEM2.5 Units (P2_05875, P2_06259, P2_06735, P2_07168); these units were all tested before added to stock using standard IPI 2GB Flash Drives. Generated the same error + icons on display.
- Tested on PEM2 logger (P2_01440) and got normal reading.
- Performed a full Format on Drive and then attempted data read, still getting error & icons.
- May be an issue similar to Radio Shack GigaWare; power draw-related.

PNY Attache 4GB

Model # PFD4GBATT03GE



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Toshiba 8 GB

Model: THNU308GTRSC



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