

# UHD Device Eraser and Certificates of Volatility

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### **AN-111** by Michael Dickens

This Application Note provides an overview of the UHD Device Eraser utility as well as links to the Certificates of Volatility for all Ettus products.

The `uhd_device_eraser` utility overwrites all non-volatile memory from any Ettus device supported by it: most USRPs, OctoClock, and daughterboards.

Note that any *volatile* memory on the device is cleared simply by removing all power from the device. This utility overwrites information that persist after removing all power, that stored in *non-volatile* memory.

The utility is provided as source code, and requires UHD (headers and library) to be installed as well as the UHD source code be available on the build computer. It uses CMake to build (just like UHD does) and works with any version of UHD from 3.7.2 through 3.15.

This utility will be provided per your specific request via an email to [support@ettus.com](mailto:support@ettus.com). Ettus support will first require you to note receipt of our standard warnings in a first email, then once noted will provide a tarball of the utility.

NOTE: This utility, because it erases settings used by your USRP for runtime functionality, will render your Ettus device unusable ("bricked"). It is entirely possible to make your Ettus device usable again ("unbrick" it), details of which are provided by Ettus support in emails as well as the top-level README of the utility tarball.

OctoClock

B200 / B210

E310 / E312 / E313

E320

N200 / N210

N300 / N310

N320 / N321

X300 / X310

X410

X440

BasicRX / BasicTX

CBX

LFRX / LFTX

SBX

TwinRX

UBX (40 / 160 / 160-LP)

WBX

DBSRX2

TVRX2