

## DPRG RBNV AI Generated Meeting Summary – December 10, 2024

### DeoxIT Products Discussed by Carl Ott at RBNV:



**DeoxIT D100L** is designed for use on faders, conductive membranes, and plastics. Carl used this product to clean a scratchy volume control on a set of PC speakers.<sup>1</sup> He purchased the product in a spray can with a specialized applicator tip.<sup>2</sup> Here's the Amazon link Carl provided:

<https://www.amazon.com/gp/product/B0032URYJ01>



**DeoxIT DN5** is a spray designed for use on generic metals. Carl mentioned this product as well.<sup>1</sup> Here's the link:

<https://www.amazon.com/DeoxIT-DN5-Spray-NSN-6850-01-519-5548-solution/dp/B00529GE001>



**DeoxIT Gold G100L** is a contact cleaner and lubricant specifically designed for gold contacts. Carl noted that this product helps to seal the contacts to prevent future oxidation and contamination.<sup>3</sup> Here's the link:

<https://www.amazon.com/gp/product/B0000YH6F81>



**MG Chemicals Flux Remover:** While this product is not part of the DeoxIT line, Carl mentioned that he uses an "old" MG Chemicals flux remover.<sup>4</sup> Although he didn't specify the exact product, Pat Caron later provided a link to an MG Chemicals flux remover that he uses:

[https://www.amazon.ca/gp/product/B07XHCCQN4/ref=ppx\\_yo\\_dt\\_b\\_search\\_asin\\_title?ie=UTF8&psc=15](https://www.amazon.ca/gp/product/B07XHCCQN4/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&psc=15)



**Caig Laboratories Storefront:** Carl also provided a link to the Caig Laboratories Amazon storefront, where a variety of their products can be found:

[https://www.amazon.com/stores/CAIGLABORATORIES/page/A4D0C09F-7D4B-443E-9FF9-F1C1FC19CD82?ref\\_ast\\_bln](https://www.amazon.com/stores/CAIGLABORATORIES/page/A4D0C09F-7D4B-443E-9FF9-F1C1FC19CD82?ref_ast_bln)

The YouTube video is chapterized for quick navigation to topics of interest. <https://youtu.be/cXxgwWVQ6cU?si=2vWx9zm3KuCgf8WL>

- Michael Iverson presented a project where he modified a vintage Christmas church display to use LEDs and a DC power supply.
- Doug Paradis announced upcoming rule changes for the RoboColumbus competition to allow the use of data gathered during prior runs. He also talked about a capacitive touch display as a potential user interface for robots.
- Doug Paradis mentioned his work with Power Wheels gearboxes, which he modified with encoders for an outdoor rover. He shared a link to a motor with an encoder: <https://www.aliexpress.us/item/3256806988660554.html>
- The group had an in-depth discussion about purchasing components from AliExpress. They talked about the benefits, such as low prices and free shipping, but also the issue of counterfeit goods. They compared AliExpress to Amazon.
- Tom C. presented his findings on counterfeit Ublox Neo 6M GPS modules, including ways to identify them and his own experience with testing a fake module. This led to a broader conversation about experiences with Ublox GPS modules, both good and bad, purchased from Amazon and AliExpress. The use of ground planes to boost GPS signal reception was also discussed. Doug Paradis recommended SparkFun for purchasing authentic Ublox modules.
- Carl Ott presented DeoxIT as a cleaning product for electronics and explained its effectiveness in restoring the functionality of different components. This sparked a discussion about other cleaning products and experiences.
  - Carl Ott: Awesome chemical for electronics: DeoxIT series from Craig Laboratories
  - For faders & conductive membranes & plastics <https://www.amazon.com/gp/product/B0032URYJ0>
  - for generic metals <https://www.amazon.com/DeoxIT-DN5-Spray-NSN-6850-01-519-5548-solution/dp/B00529GE00>
  - 100% solution for improves Conductivity without Shorting, Cleans, Deoxidizes, Lubricates and Protects, Reduces Intermittent Connections <https://www.amazon.com/gp/product/B0000YH6F8>

- The group brainstormed ideas for future robot competitions, including a follow-up to RoboColumbus, a mid-year event, and possible formats such as Donkey Car, "there and back," line following, and even Acriman steering and parallel parking challenges.

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