StreamUnlimited offers a programming-debug adapter for Stream210, which is used for development and production line programming and testing. The adapter enables special functions over a single USB-C port on a product:

1. **Debug-UART via serial interface (Micro-USB connector)**

2. **USB 2.0 interface via USB-A port:**

    A. USB-A flash drive used for the update, or as a data storage device

    B. other USB 2.0 accessories like for example a USB-Ethernet-Adapter or a USB audio card.

3. **Force the module to enter the USB boot mode, which is required for the module-recovery process.**

If a product is not equipped with a USB-C port, a dedicated pin header provision is required in order to be able to connect to the product.

Stream210 comes pre-programmed with a lightweight software that supports updating to product software.

StreamUnlimited Windows Programming Tool is available for automated programming and module recovery.

The programming adapter provides UART access to factory_tool for configuring, testing and locking of the product on the production line. The factory_tool is part of every Stream210 product software image by default.

StreamUnlimited Windows Programming & Recovery Tool

StreamUnlimited, founded in 2005, is a supplier of software solutions and hardware modules for connected audio and IoT products, with over 120 employees at office locations in Vienna, Bratislava, Shenzhen, Osaka and San Francisco. As the de facto global system integrator offering its own IP and engineering services, StreamUnlimited development partnerships include all major semiconductor companies and technology providers in the consumer electronics and IoT channel. StreamUnlimited works with a global cross-section of high-end audio, CEDIA-channel, premium and mainstream consumer electronics and smart home manufacturers.