NTRIP Version 2

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One of our users had a special requirement related to receiving NTRIP corrections in HYPACK. To fulfill his requirements, we created a new device driver dedicated to receiving NTRIP corrections and sending them to a GPS. Until now this functionality has been included in the GPS driver but now it became a standalone driver called NTRIPOUT. The setup is fairly similar to the NTRIP configuration page that existed in the GPS driver:

FIGURE 1. *NTRIPOUT Driver Setup Dialog*

Note however the check box at the bottom: "**Advertise as NTRIP Ver. 2 Client**". If checked the driver will inform the server that it is a version 2 compatible client and will accept replies according to this newer version of the NTRIP standard.

The last check box "**Accept improperly formatted replies**" is just to deal with some servers that don't pay too much attention to the standard. Hopefully you will not meet too many of those.

The only significant improvement in this driver is conformance to version 2 of the standard. Other small improvements have to do with the format of the streams database used by this driver. It allows you to keep information about streams from multiple servers.

We are still debating if we should remove the NTRIP functionality from the GPS driver and leave only this new driver to deal with NTRIP or if we should just update the GPS driver to NTRIP version 2. Because in HYPACK® you can share your serial ports between different device drivers, you can just add this new driver to send differential corrections to the GPS on the same port on which you are receiving GPS positions.