

nmeaConf

Purpose is writing configuration to **Unicore** receivers. When using a terminal it is difficult to see the receiver's responses in NMEA stream. The program solves this problem by showing only responses to incorrect commands (and incorrect commands themselves).

Executed from the command line.

Command line: **nmeaConf recvport [config [writename]]**

recvport - receiver. This can be a **COM** port or a **TCP** port.
config - file with configuration commands
writename - file name for recording everything that pours out of the receiver

If only **recvport** is specified, then executes the **config** command (configuration request)

Examples:

nmeaConf COM8 UM_Freset.txt - execute configuration file **UM_FReset.txt** on the receiver, connected to **COM8**. Speed **115200**
nmeaConf //./COM8 UM980_RTK.txt - the same thing, just the full name of the **COM** port
nmeaConf +192.168.12.34:5678 UM_info.txt - receiver on the **TCP** server at 192.168.12.34 on port 5678

Example configurations

UM_Freset.txt - reset the saved configuration
UM980_RTK.txt - **RTK** for UM980
UM982_RTK.txt - **RTK** for UM982
UM_Reset.txt - warm restart of the receiver
UM_SAVE.txt - saving configuration
UM_Mask15.txt - setting the maximum elevation angle to 15 degrees
UM_info.txt - information about the receiver settings

To switch the receiver to **RTK** mode, it is recommended to first reset the old configuration using **UM_FReset.txt**, and then set the **RTK** configuration using **UM980_RTK.txt**.

rtcm3save

Purpose is connection to the correction server simultaneously with recording of received packets to a file. Allows you to arrange periodic recording, for example in hour-long chunks.

Executed from the command line.

Command line: **rtcm3save rcvport [rtcm3port [writename [timeToWriteInSec]]]**

rcvport - receiver. This can be a **COM** port or a **TCP** port.
Rtcm3port - **NTRIP** server with **RTK** corrections
writename - file name for recording everything that pours out of the receiver
timeToWriteInSec - time in seconds after which the program ends. If not specified, then infinity.

During operation, by pressing buttons, you can use commands

T - information. Displays the amount read and transferred to the receiver, and also reads the receiver mode from the **GGA**

Q - output

H - help

Examples:

rtcm3save COM8 - connect to a receiver connected to **COM8**. Speed **115200**

rtcm3save //./COM8 - the same thing, just the full name of the **COM** port

rtcm3save +192.168.12.34:5678 - listener on the **TCP** server at 192.168.12.34 on port 5678

rtcm3save COM8 +latpos.lgia.gov.lv:5002/NET@XXX:YYY data.dat

Connect to the **NTRIP RTK** correction server with the **NET** access point, login **XXX** and password **YYY**