

****In order to ensure proper configuration and operation of the RTK System, the following steps must be completed outdoors and under a clear sky.****

RTK/PC CONNECTION

USB Connection: (COM# may vary)

COM6 - base station
COM7 - rover station

****You are free to choose which station will be your base/rover. Just take note of which COM# has been configured as the base or rover station.****

SAVE/RESET CONFIGURATION

Reset:

1. UBX > CFG > CFG > Restore to default configuration

Save:

1. UBX > CFG > CFG > Save current configuration

BASE STATION CONFIGURATION

Survey-In:

1. UBX > CFG > TMODE3 > Mode: 1-Survey-In; Minimum Observation Time: 300 sec (5 min); Required Position Accuracy: 2 m
2. UBX > NAV > SVIN (right-click > Enable Messages)
3. Wait until the survey is finished.

Configure Radio Link:

4. UBX > CFG > PTR > Target: 1-UART1; Protocol in: none; Protocol out: 5-RTCM3; Baudrate: 19200

Select RTCM Messages:

5. UBX > CFG > MSG > Message: 1005; 1077; 1087; 1230

ROVER STATION CONFIGURATION

Configure Radio Link:

1. UBX > CFG > PTR > Target: 1-UART1; Protocol in: 5-RTCM3; Protocol out: none; Baudrate: 19200
2. Wait until both rover and base station enter FIXED mode.

NOTES

****make sure to mark the boards that you chose to be the base, rover station. The rover station in float/fixed mode will have a blinking/steady green light.****

****please refer to both the C94-M8P Quick Start and User Guide when configuring the boards****