

# 4 Ways to RTK

The [3DMGQ7](#) GNSS/INS makes it easier than ever to connect to RTK correction sources. When receiving RTK corrections, the 3DMGQ7 achieves the 1cm + 1ppm position accuracy you've come to expect from an RTK system at a very competitive price point. To support our customers' wide-range of RTK use-cases, we've developed the following 4 convenient solutions, aka "4 Ways to RTK":

## 1. Premium SensorCloudRTK + 3DMRTK

- RTK corrections via [SensorCloudRTK](#) or [NTRIP](#)
- [3DMRTK](#) provides cellular connection - PC not needed
- 10 hours of Premium RTK Network corrections included
- Hourly charge for each hour of SensorCloudRTK corrections thereafter
- Unlimited 3rd party **NTRIP** data at no charge
- Recommended for: areas covered by SensorCloudRTK ([see map](#))
- PC not needed - highly mobile, most flexible



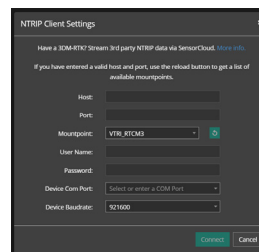
## 2. Basic SensorCloudRTK + 3DMRTK

- 3rd party **NTRIP** RTK corrections *only*
- 3DMRTK cellular connection - PC not needed
- Minimal hourly charge for corrections
- Recommended for: existing 3rd party RTK subscription; operating in areas where SensorCloudRTK has yet to be established but there *is* cellular coverage



## 3. SensorConnect NTRIP Client + user supplied internet (no charge)

- 3rd party RTK subscription required
- Have an internet connection on a PC running [SensorConnect](#) plugged into the 3DMGQ7 MAIN and AUX ports
- 3DMRTK and SensorCloudRTK subscription not required
- Good for initial engineering evaluation



## 4. User supplied RTCM corrections to aux port (no charge)

- 3rd party RTK subscription required
- Customer provides interface layer between correction source and 3DMGQ7 AUX port
- Tighter integration, more customer development required
- The current choice for ROS applications

