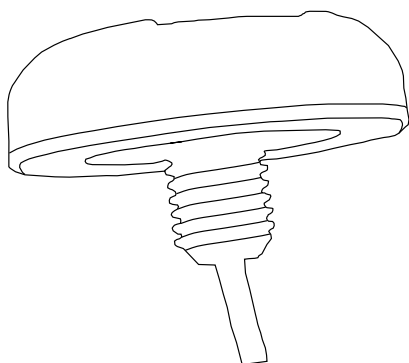# GPS Receiver
customized for XL2 Analyzer

GPS Receiver (special)

The specially adapted GNSS receiver comes with a built-in active antenna in a white housing. It connects to the XL2 Sound Level Meter and the NetBox. Typical applications are to synchronize the start time of one or multiple XL2s precisely with the GPS signal (+/- 0.7 ms) or presenting the precise instrument position in NoiseScout Gateway mode for unattended noise and vibration monitoring.
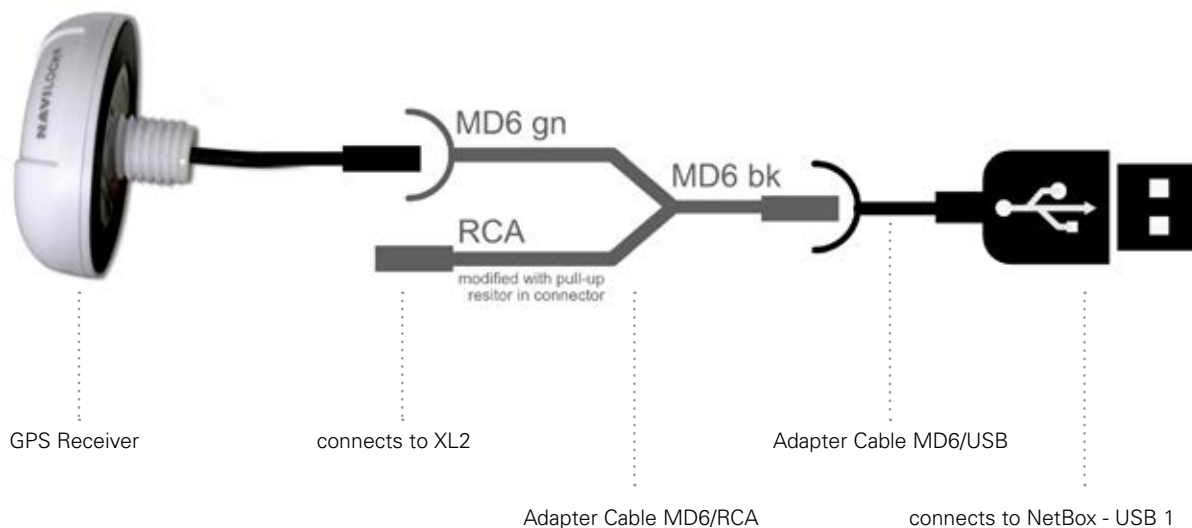
Applications

- Synchronized measurements of multiple XL2s
- Instrument position in www.noisescout.com

The GPS Receiver generates a square signal with a frequency of 0.1 Hz. The rising edge is exactly synchronized to full 10 seconds for e.g., simultaneous measurements of multiple XL2 Analyzers. The GPS Receiver supports Galileo, GPS and other systems. It accepts the signals of up to 72 satellites at the same time.
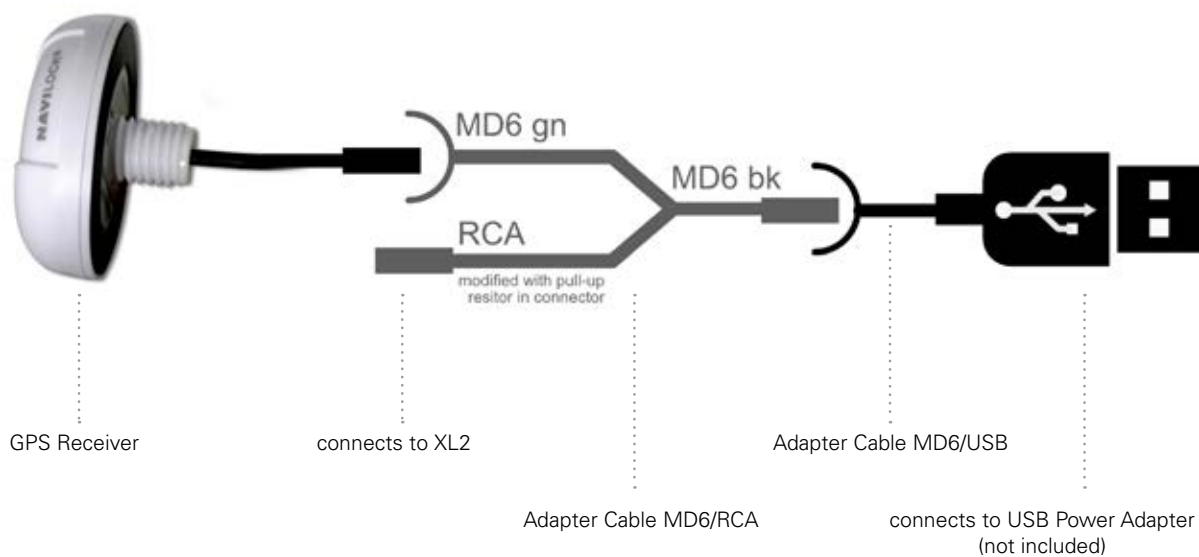
Specifications

Supported Systems	GPS, GALILEO, GLONASS, BEIDOU COMPASS
Positioning Accuracy	2.5 m
Color	White
Cable Length	ca. 5 m
Power Supply	5 V DC
Current Consumption	max. 45 mA
Dimensions	62 mm diameter x 21 mm height (excluding screw thread)
Protection Class	IPX7
Scope of Supply	• GNSS Receiver • Adapter Cable MD6/RCA, 30 cm • Adapter Cable MD6/USB, 50 cm
NTi Audio #	600 000 357

Connection Diagram XL2 with NetBox

GPS Receiver   connects to XL2   Adapter Cable MD6/USB

Adapter Cable MD6/RCA   connects to NetBox - USB 1

Connection Diagram XL2 without NetBox

GPS Receiver   connects to XL2   Adapter Cable MD6/USB

Adapter Cable MD6/RCA   connects to USB Power Adapter
(not included)

Generate and store a txt-file with file name «gpssync.txt» on the XL2 in the root directory of the SD card.