

Xbus Master

Portable multi-sensor system

The Xbus Master is a lightweight, portable device that controls multiple Motion Trackers (MTx) on the Xbus, Xsens' digital data bus system. The Xbus Master samples digital data from the MTx's and supplies power to the MTx's. The Xbus Master can be connected to a PDA or PC via serial cable or wireless connection, where the data is logged or used in any real-time software application.

Features

- Connects multiple Motion Trackers (MTx) on one or two Xbus strings
- Synchronous sampling of multiple MTx's at adjustable sample frequencies up to 512Hz
- Compatible with PDA and PC via USB cable or wireless Bluetooth connection
- Compatible with Xsens MT Software and MT Software Development Kit
- External triggering & notification of trigger moment available for synchronization
- Runs on batteries or external power supply
- Battery low indicator
- Supplies power to MTx's
- Ergonomic design with elastic strap

Fields of use

- Biomechanics
- Exercise and sports
- Virtual Reality
- Animation

Together with a set of MTx's, the Xbus Master enables ambulatory measurement of human motion. The MTx's provide drift-free 3D orientation as well as kinematic data: 3D acceleration, 3D rate of turn (rate gyro) and 3D earth-magnetic field. Xsens' MT Software and SDK are all Xbus compatible.



Xbus

Max number of MTx's

Type of MTx's

Sample frequency

Sample frequency example configuration

Number of Xbus connectors on Xbus Master

10

MTx Xbus version (MTx-49A##G##)

Adjustable from 10-512Hz (max depends on number of MTx's)

180Hz (5x MTx, raw data output, Bluetooth mode)

2 (enables 2 Xbus strings)

Host interface

Type

Bluetooth, RS-232, USB (with supplied cable)

Power

Operating voltage

Supply current

Batteries

Minimum battery powered operating time

Power Adapter (EU, UK, US)

4V-12V

550 mA (5x MTx, Bluetooth mode)

4x AA (included)

3 hr (5x MTx, Bluetooth mode)

6V DC 1A

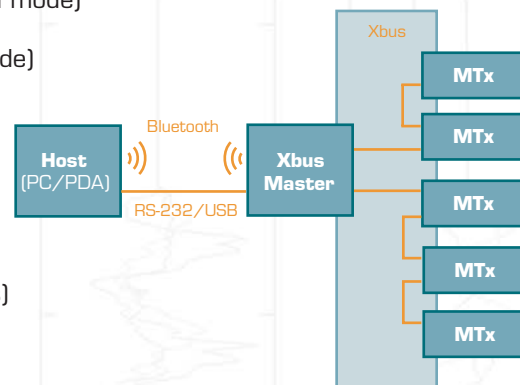
Physical specifications

Dimensions

Weight (incl 4x AA batteries)

10 x 15 x 4 cm (W x L x H)

268 g (172 g excl batteries)



Xbus Kit

The Xbus Master is available in a complete kit, containing:

- Xbus Master
- 5 MTx's (also available in other quantities)
- MT Software Development Kit
- Accessories:
 - 5 Xbus Cables
 - Xbus Master Cable USB
 - Power Adapter
 - 4 AA Rechargeable Batteries
 - Elastic Strap
 - Bluetooth Transceiver
 - Suitcase

