



MOTIONMATES™
Body tracking made easy!

CUSTOMIZABLE MOTION SENSORS

for Fitness, Health, and Gaming

Force: 3.74g
MM1: 34/45/102 Acc: 2.3 km/s z
MM2: 12/56/122 Acc: 0.2 km/s x
... Frontal max. extension limit reached
... Kenetic efficiency 73.2%

ABOUT

BioMates are small stackable body sensors that can be customized towards a variety of applications. By using a single MotionMate or multiple 'Mates' working in harmony, real-time motion analysis and feedback are available to your application or through visual, taptic, and auditory responses sent directly from the sensor.

APPLICATION USE

Fitness - Avoid running injuries or even provide coaching based on biomechanics.

Health - Detect falls in the elderly and send notifications to loved ones. Provide feedback on proper back posture or aid orthopedics.

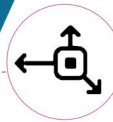
Instruction - Teach the perfect golf swing.

Gaming - Use body movement to control a character's motion in Unity or Unreal.

Safety - Keep sleepy drivers alert when they're behind the wheel.

With MotionMates the possibilities are endless!

Product Features



Motion Processing Unit (MPU)

A state of the art six-axis MEME motion controller with gyroscope and accelerometer that provides user configurable options for g-force sensitivity, gyro ranges and more.



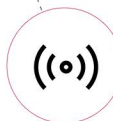
Network Aware Connectivity

Each unit can directly communicate with each other wirelessly. This allows all data to be sent from a single unit to simplify App development.



Stackable Intelligence and Feedback

Add stand-alone feedback and intelligence by stacking the secondary module. Only slightly larger than it's brother, but includes additional features such as sound and vibration response.



Bluetooth LE

Easily communicate between your App and MotionMate sensors using low energy bluetooth. We also have some great sample code to get you going on your next exciting project!