

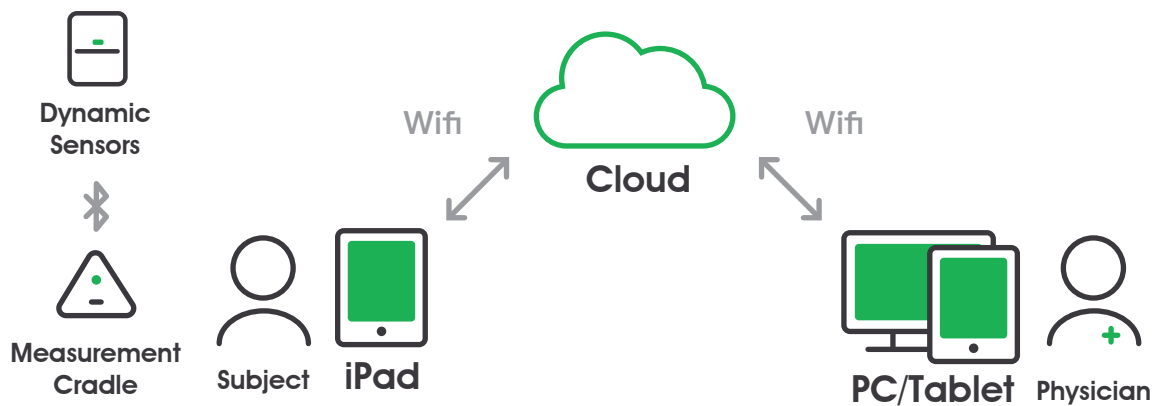


# BoostFix

Focusing on many rehabilitation patients are out of practice or cause injuries due to incorrect postures at home. BoostFix is a telemedicine solution developed by Compal. It is worn with the dynamic sensor and connected to the cradle through the Bluetooth. It will detect the angle of the joint lift at each part and quantize each action for physicians' reference.

## BoostFix Features

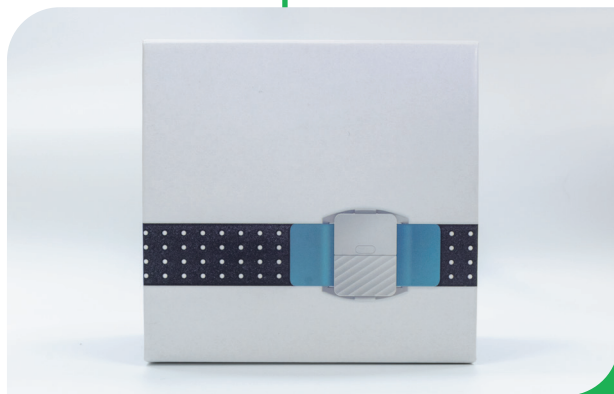
Rehabilitation is one of the important factors for postoperative outcomes, for instance frozen shoulder, stroke or arthritis surgery. Most will arrange rehabilitation at the hospital with physicians or physical therapist. However, the self-rehabilitation at home isn't only ineffective due to lack of professionals, but also the physicians cannot grasp the patients' rehabilitation information. Boost-Fix can be a platform between physician and patient, each action of rehabilitation will be quantized and stored it. Physician can review the rehabilitation data at each return visit and design personalized treatment for patients.



BoostFix supports vibration alert, it is applicable to rehabilitation training. Physician can set up the action angle, fault-tolerance range, and the number of actions. When patients finish the rehabilitation course, the data will be uploaded to the cloud by BoostFix App to assist physicians track patients' recovery progress.

## Application Situation





**BoostFix Packaging**



**Dynamic Sensors**



**Measurement Station**

BoostFix supports measurements of shoulder, elbow, wrist, knee joint etc. Compared to traditional protractor, BoostFix can measure the joint bending angle more efficiently, and support 3D portrait to display exercise trajectory, providing fair and objective measurement data for the physicians' reference.

## **BoostFix App Features**

- Continuous angle measurement of multiple parts
- Replay: Support users to review the motion track
- Support angle measurement of head, torso, shoulders, elbows, wrists, hips, knees and ankles.
- User can practice exercises designed by physician, therapists or exercise

## BoostFix Hardware Specifications

Product Pattern	Motion Sensor
Model	BoostFix
Dimension	26(W)x34.6(L)x6.69(H)mm
Power	5V / 0.06A
Bluetooth	BLE 4.0
Battery	75mAh(Built-in Rechargeable Battery)
Accelerometer	3-axis accelerometer+3-axis Gyro
Usage Environment	0~50°C ; H≤90%
Storage Environment	-20~50°C ; H≤90%

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