RNMiband Documentation v1.1

Libraries that needed for RNMiband:
1. react-native-ble-manager
2. react-native-crypto
3. buffer

To use RNMiband:
1. import RNMiband from ‘(the path where you put RNMiband.js)’
2. Call RNMiband.start({showAlert:false}) in componentDidMount()
3. Call RNMiband.handlerUpdate().remove() in componentWillUnmount()

Core Function	Description	Arguments	Return (Promise)
connect(peripheral)	create Bluetooth connection to the given peripheral	peripheral: peripheral object	the return of Promise means the success of the connection
disconnect()	disconnect current Bluetooth connection, if nothing connected, then return directly	N/A	the return of Promise means the success of the connection
getBatteryLevel()	1. Get Miband2 battery level in percentage format. 2. Should only be called if Miband2 is connected	N/A	Miband2 battery level in string percentage format, e.g., 48%.

Core Function	Description	Arguments	Return (Promise)
getStepData()	1. Get current day's step data, including step count, distance and consumed calories 2. Step data reset everyday 3. Should only be called if Miband2 is connected	N/A	Current day's step data, including step count, distance (meter) and consumed calories
getActivityData(startDate)	1. Get historical activities data from Miband2 for every minute from the given startDate 2. Should only be called if Miband2 is connected 3. Need to validate the startDate, like make sure it is not after current time	startDate: Date	Historical activities data for every minute from the given startDate. Format: [[Time1,Kind1,Intensity1,Step1], [Time2,Kind2,Intensity2,Step2],…] Time2 is 1 minute after Time1
getActivityDataRange(startDate,endDate)	1. Get historical activities data from Miband2 for every minute from the given startDate to the given endDate 2. Should only be called if Miband2 is connected 3. Need to validate startDate and endDate, like make sure they are not after current time, endDate is not before startDate, etc.	startDate: Date endDate: Date	Historical activities data for every minute from the given startDate to the given endDate Format is the same as above

Core Function	Description	Arguments	Return (Promise)
findDevice()	1. Looking for lost device 2. Should only be called if Miband2 is connected	N/A	Miband2 starts vibrating
foundDevice()	1. Found device 2. Should only be called after findDevice() is called	N/A	Miband2 stops vibrating