include ¡string.h¿ include ¡Arduino.h¿ include ¡SPI.h¿ include ¡Wire.h¿ include ¡Adafruit$_{M}otorShield.h > include$"$Adafruit_{B}LE.h$"$include$"$Adafruit$_{B}luefruitLE_{S}PI.h$"$include$"$Ada

include "BluefruitConfig.h"

Adafruit$_{M}otorShieldAFMS = Adafruit_{M}otorShield(); //createshield//CreateMotorsAdafruit_{D}CMot$
$RMotor = AFMS.getMotor(3); Adafruit_{D}CMotor*LMotor = AFMS.getMotor(4);$

int state = 0;

void setup(void)

Serial.begin(9600); Serial.println(F("Jaquel is online")); Serial.println(F("—
————————————————")); Serial.println("Requesting Bluefruit info:");

//Start Motors AFMS.begin(); // create with the default frequency 1.6KHz
Serial.println(F("————————————————-")); LMotor-¿setSpeed(150); LMotor-
¿run(FORWARD); LMotor-¿run(RELEASE); Serial.println(F("Motor 1 Running"));

RMotor-¿setSpeed(150); RMotor-¿run(FORWARD); RMotor-¿run(RELEASE);
Serial.println(F("Motor 2 Running")); Serial.println(F("————————————————
————-"));

Serial.println(F("————————————————-"));

void loop(void) if(Serial.available() ¿ 0) // Checks whether data is comming from the serial port state = Serial.read(); // Reads the data from the serial port Serial.println(state); if (state == '0') RMotor-¿run(RELEASE); LMotor-¿run(RELEASE); Serial.println("Jaquel has stopped"); // Send back, to the phone state = 0; else if (state == '1') RMotor-¿run(FORWARD); LMotor-¿run(FORWARD); Serial.println("Jaquel is running forward"); else if (state == '2') RMotor-¿run(FORWARD); LMotor-¿run(BACKWARD); Serial.println("Jaquel is turning left"); else if (state == '3') LMotor-¿run(FORWARD); RMotor-¿run(BACKWARD); Serial.println("Jaquel is turning right"); else if (state == '4') RMotor-¿run(BACKWARD); LMotor-¿run(BACKWARD); Serial.println("Jaquel is going backwards"); else RMotor-¿run(RELEASE); LMotor-¿run(RELEASE);