Bluebird GATT Profile

SERVICE: ENVIRONMENT <UUID: 00001000-C356-78AB-3C46-339399E84975>

    CHARACTERISTIC: TEMPERATURE <UUID: 00001001-C356-78AB-3C46-339399E84975>

    DATA FORMAT: < INT32 [4 BYTES] > DEGREES C

    PROPERTIES: READ, NOTIFY

    CHARACTERISTIC: HUMIDITY <UUID: 00001002-C356-78AB-3C46-339399E84975>

    DATA FORMAT: RESERVED FUTURE USE

    PROPERTIES: READ, WRITE

    CHARACTERISTIC: AMBIENT LIGHT <UUID: 00001003-C356-78AB-3C46-339399E84975>

    DATA FORMAT: < INT16 [2 BYTES]> * 3.2 = LUX

    PROPERTIES: READ, NOTIFY

SERVICE: MOTION < UUID: 00002000-C356-78AB-3C46-339399E84975>

    CHARACTERISTIC: ACCELERATION < UUID: 00002001-C356-78AB-3C46-339399E84975>

    DATA FORMAT: < (X) INT16 [2 BYTES], (Y) INT16 [2 BYTES], (Z) INT16 [2 BYTES]> G'S

    PROPERTIES: READ, NOTIFY

    CHARACTERISTIC: GYRO < UUID: 00002002-C356-78AB-3C46-339399E84975>

    DATA FORMAT: RESERVED FOR FUTURE USE

    PROPERTIES: NA

    CHARACTERISTIC: QUATERNION < UUID: 00002003-C356-78AB-3C46-339399E84975>

    DATA FORMAT: RESERVED FOR FUTURE USE

    PROPERTIES: NA

    CHARACTERISTIC: PEDOMETER < UUID: 00002004-C356-78AB-3C46-339399E84975>

    DATA FORMAT: RESERVED FOR FUTURE USE

    PROPERTIES: NA

CHARACTERISTIC: TAP < UUID: 00002005-C356-78AB-3C46-339399E84975>

DATA FORMAT: RESERVED FOR FUTURE USE

PROPERTIES: NA

SERVICE: GPIO <UUID: 00003000-C356-78AB-3C46-339399E84975>

CHARACTERISTIC: GPIO1 <UUID: 00003001-C356-78AB-3C46-339399E84975>

DATA FORMAT(READ/NOTIFY): < INT16 > [-1024, 1024]

DATA FORMAT(WRITE): < (0 = OUTPUT, 1 = INPUT) [1 BYTE], (0 = LOW, 1 = HIGH) [1 BYTE] >

PROPERTIES: READ, NOTIFY

CHARACTERISTIC: GPIO2 <UUID: 00003002-C356-78AB-3C46-339399E84975>

DATA FORMAT(READ/NOTIFY): < INT16 > [-1024, 1024]

DATA FORMAT(WRITE): < (0 = OUTPUT, 1 = INPUT) [1 BYTE], (0 = LOW, 1 = HIGH) [1 BYTE] >

PROPERTIES: READ, WRITE

CHARACTERISTIC: GPIO3 <UUID: 00003003-C356-78AB-3C46-339399E84975>

DATA FORMAT(READ/NOTIFY): < INT16 > [-1024, 1024]

DATA FORMAT(WRITE): < (0 = OUTPUT, 1 = INPUT) [1 BYTE], (0 = LOW, 1 = HIGH) [1 BYTE] >

PROPERTIES: READ, NOTIFY

CHARACTERISTIC: GPIO4 <UUID: 00003004-C356-78AB-3C46-339399E84975>

DATA FORMAT(READ/NOTIFY): < INT16 > [-1024, 1024]

DATA FORMAT(WRITE): < (0 = OUTPUT, 1 = INPUT) [1 BYTE], (0 = LOW, 1 = HIGH) [1 BYTE] >

PROPERTIES: READ, WRITE

SERVICE: LED <UUID: 00004000-C356-78AB-3C46-339399E84975>

CHARACTERISTIC: COLOR <UUID: 00004001-C356-78AB-3C46-339399E84975>

DATA FORMAT: < (RED) UINT8 [1 BYTE], (GREEN) UINT8 [1 BYTE], (BLUE) UINT8 [1 BYTE] >

PROPERTIES: READ, WRITE

CHARACTERISTIC: MODE <UUID: 00004002-C356-78AB-3C46-339399E84975>

DATA FORMAT: RESERVED FOR FUTURE USE

PROPERTIES: NA

SERVICE: SERIAL <UUID: 00005000-C356-78AB-3C46-339399E84975>

CHARACTERISTIC: TX/RX <UUID: 00005001-C356-78AB-3C46-339399E84975>

DATA FORMAT: RESERVED FOR FUTURE USE

PROPERTIES: NA

SERVICE: AUDIO <UUID: 00006000-C356-78AB-3C46-339399E84975>

CHARACTERISTIC: PRELOADED <UUID: 00006001-C356-78AB-3C46-339399E84975>

DATA FORMAT: < OPTION [1 BYTE] > 8 OPTIONS

PROPERTIES: WRITE

CHARACTERISTIC: STREAMING <UUID: 00006000-C356-78AB-3C46-339399E84975>

DATA FORMAT: < UINT16 (FREQUENCY) [2 BYTES], UINT16 (DURATION) [2 BYTES] >

PROPERTIES: WRITE

SERVICE: INFORMATION <UUID: 180A>

CHARACTERISTIC: FIRMWARE VERSION <UUID: 2A26>

DATA FORMAT: <ASCII ENCODED UTF8>

PROPERTIES: READ

CHARACTERISTIC: SOFTWARE VERSION <UUID: 2A28>

DATA FORMAT: <ASCII ENCODED UTF8>

PROPERTIES: READ