

Permitted Characteristics

Bluetooth® Document

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Abstract:

This is a regularly updated document listing characteristics that are permitted for use with certain Bluetooth services.



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1 Introduction

All characteristic formats in this document are defined in the GATT Specification Supplement (GSS) [1] unless otherwise specified. All characteristic UUIDs in this document are defined in the Assigned Numbers [2].



2 Services

2.1 Environmental Sensing Service Characteristics

The list below specifies the characteristics that are permitted for use with the Environmental Sensing Service (ESS).

- Apparent Wind Direction
- Apparent Wind Speed
- Barometric Pressure Trend
- Dew Point
- Elevation
- Gust Factor
- Heat Index
- Humidity
- Irradiance
- Magnetic Declination
- Magnetic Flux Density – 2D
- Magnetic Flux Density – 3D
- Pollen Concentration
- Pressure
- Rainfall
- Temperature
- True Wind Direction
- True Wind Speed
- UV Index
- Wind Chill

2.2 User Data Service Characteristics

The list below specifies the characteristics that are permitted for use with the User Data Service (UDS).

- Activity Goal
- Aerobic Heart Rate Lower Limit
- Aerobic Heart Rate Upper Limit
- Aerobic Threshold
- Age
- Anaerobic Heart Rate Lower Limit
- Anaerobic Heart Rate Upper Limit
- Anaerobic Threshold
- Caloric Intake
- Date of Birth
- Date of Threshold Assessment
- Device Wearing Position
- Email Address
- Fat Burn Heart Rate Lower Limit
- Fat Burn Heart Rate Upper Limit
- First Name
- Five Zone Heart Rate Limits
- Four Zone Heart Rate Limits
- Gender
- Handedness
- Heart Rate Max
- Height
- High Intensity Exercise Threshold
- High Resolution Height
- Hip Circumference
- Language
- Last Name
- Maximum Recommended Heart Rate
- Middle Name
- Preferred Units
- Resting Heart Rate
- Sedentary Interval Notification
- Sport Type for Aerobic and Anaerobic Thresholds
- Stride Length
- Three Zone Heart Rate Limits
- Two Zone Heart Rate Limits
- VO2 Max
- Waist Circumference
- Weight

3 References

[1] GATT Specification Supplement
(<https://www.bluetooth.com/specifications/gatt/>)

[2] Assigned Numbers
(<https://www.bluetooth.com/specifications/assigned-numbers/>)

