BLUEGIGA 4.0 (BLE) SINGLE MODE STACK

1.0 API CHANGES

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bluegiga

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1 API Changes to Bluegiga 1.0 BLE API

This document list the changes which have done to Bluegiga 1.0 BLE API since the release of Bluegiga BLE Dev.kit (Build 30).

2 New Commands

Prepare Write - Send prepare write request to remote host for queueing.

Execute Write - Executes or Cancels previously queued prepare_write commands on remote host

Read Multiple - Read multiple attributes from server

Get Bonds - List all bonded devices

Set Oob Data - Set out-of-band encryption data for device

Set Privacy Flags - Set GAP central/peripheral privacy flags

Set Privacy Flags has replaced **Set Address Mode**

Set Adv Data - Set advertisement or scan response data. Use broadcast mode to advertise data

Set Directed Connectable Mode - Sets device to Directed Connectable Mode

Set Txpower - Set TX Power

3 Changed Commands

Set Scan Parameters – *active* parameter is added

4 Removed Commands

Set Address Mode

5 New Events

User Request - User-backed attribute data requested

Bond Status- Bond status information

Bonding Fail - Link bonding has failed

Bonding Fail has replaced **Encryption Change**

6 Removed Events

Encryption Change

7 Changed Events

Scan Response – Parameters changed, e.g., Bond handle added

Attribute Database/Value - *Offset* added

8 Added Enumarations

Bonding Keys Bonding information stored

9 Changes in Enumarations

Connection Status Flags - *connection_completed and connection_parameters_change* added

GAP Discoverable Mode - *gap_user_data* added

GAP Connectable Mode - *gap_scannable*_connectable added

10 Other changes

RSSI value in event and responses – Type changed from uint8 to dbm (int8)

Parameter type errorcode – Name changed from *errcode* to *results*