



BTLE

Interface Manual

June 23, 2017

PREFACE

VERSION CONTROL

Version	Date	Author	Description
1.0.0	23-June-2017	Arpi Derm	Core Bluetooth Framework to communication with Bluetooth devices.

FUNCTIONS

Initialization:

Function Name	InitializeCoreBTLib
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Input/s	Characteristic: Peripheral Device Characteristic UUID where data transmission will happen	Type	String
Outputs/s	NA	Type	NA

Description	Initialized the BTBLE framework and starts discovery process of Bluetooth devices
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Get Connection State:

Function Name	GetCoreBTState
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Input/s	NA	Type	NA
Outputs/s	Current Core Bluetooth State	Type	CORE_BT_STATE

Description	Get current state of Core Bluetooth. This returns a structure with connection status of Peripheral devices, current state of central device Bluetooth and RSSI signal information
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Get Discovered Device Names:

Function Name	GetDeviceNames
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Input/s	NA	Type	NA
Outputs/s	Array of device names	Type	[String]

Description	It returns the device names for each Bluetooth device discovered by central device
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Connect to Peripheral Device:

Function Name	ConnectToDevice
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Input/s	Device Name	Type	String
Outputs/s	NA	Type	NA

Description	Establishes connection between central and peripheral device
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Transmit Data:

Function Name	ConnectToDevice
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Input/s	Device Name	Type	String
Outputs/s	NA	Type	NA

Description	Establishes connection between central and peripheral device
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