TimeTec BLE Development Kit

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What is included?

The development kit contains instructions for BLE-16 and BLE-2, including optimized C++ codes and encryptions, precompiled and it's ready to be used in your projects in a single .arr format Android library.

Minimum required SDK: Android API Level 21

TimetecBleSdk

Public Static Constants

String	**BLE_SERVICE_UUID** - UUID for The BLE service
String	**BLE_CONTROL_CHARACTERISTIC_UUID** - UUID for BLE control characteristic
String	**BLE_READ_LOG_CHARACTERISTIC_UUID** - UUID to read BLE logs
String	**OPERATION_DELETE** - Delete operation String for unique ID and Card ID
String	**OPERATION_ADD** - Add operation String for unique ID and card ID

Public Constructor

TimetecBleUtils(Context context) - Requires Context argument

Public Methods

boolean	setMacAddress(String macAddress); - Pass in macAddress to initialize the class. - This must be called before the data is sent to BLE devices. - Accepts Raw Mac Address, eg. "00:00:00:00:00:00" - Returns true if successfully set, and false if otherwise. eg: setMacAddress("34:55:32:8A:1D:37")
byte[]	getParamBle2(int channel); - Get the BLE-2 instructions that will trigger either channel "1", "2", or "3" - Send the return byte array to your BLE Destination to trigger it. - Use this if you intend to send data to a BLE-2 - The returned byte array is ready to be written into Bluetooth Characteristics
byte[]	getParamBle16(int channel); - Same as getParamBle2 but with up to 16 channels("1" to "16") - Use this if you intend to send data to a BLE-16 - The returned byte array is encrypted - The returned byte array is ready to be written into Bluetooth Characteristics
byte[]	getParamKeyfold(String id, int operation) - Get parameters to write keyfold id into BLE - id must be between 000000 and FFFFFF - operation can be either OPERATION_ADD or OPERATION_DELETE eg getParamKeyfold("4443540",TimetecBleSdk.OPERATION_ADD)
byte[]	getParamKeyfoldClear() - Get parameter to clear keyfold data in BLE
byte[]	getParamCard(String id, int operation) - Get parameters to write card id into BLE - operation can be either OPERATION_ADD or OPERATION_DELETE eg getParamCard("4443540",TimetecBleSdk.OPERATION_ADD)
byte[]	getParamCardClear() - Get parameters to clear card data in BLE