

IDentium Tech Solutions Private Limited

BLE UHF API_v1.0

一、 use the method of **Device** class , method description:

		Device.class
1.1	getInstance	getInstance ()
1.2	connect	Connect()
1.3	ConnectionListener	setOnConnectionListener ()
1.4	Set rfid Listener	setOnUHFListener()
1.5	Set power Listener	setOnBatteryListener()
1.6	Set key Listener	setOnHandleListener()
1.7	Get module version	getVersion ()
1.8	Get rfid version	getRfidVersion ()
1.9	Inventory Once	inventoryOnce ()
1.10	Inventory	inventory ()
1.11	Stop inventory	Stop inventory ()
1.12	Read Tag	readTag ()
1.13	Write Tag	writeTag ()
1.14	Lock Tag	lockTag()
1.15	Kill Tag	killTag ()
1.16	Get Region	getRegion ()
1.17	Set Region	setRegion ()
1.18	Set FrequencyHopping	setFrequencyHopping()
1.19	Get Power	getPower ()
1.20	Set Power	setPower ()
1.21	Get Battery	getBattery ()
1.22	disconnect	disconnect ()
1.23	close	close()

1.1 getInstance()

function	Device getInstance()
description	getInstance
param	null
return	Device instance

1.2 Connect ()

function	String Connect ()
description	Connect ble
param	null
return	Null get fail

1.3 setOnConnectionListener ()

IDentium Tech Solutions Private Limited

Plot no. 5 first floor, Santnagar, East of Kailash

New Delhi –110065, Delhi, India

Phone : [011-47147839](tel:011-47147839), Email: Info@identium.in

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function	setOnConnectionListener(OnConnectionListener)
description	Set Connect Listener, device connect Return data processing reference demo source code
param	OnConnectionListener
return	null

1.4 setOnUHFListener ()

function	setOnUHFListener (OnUHFListener)
description	Set UHF Listener, Return data processing reference demo source code
param	OnUHFListener
return	null

1.5 setOnBatteryListener ()

function	setOnBatteryListener (OnBatteryListener)
description	Set Battery power Listener, Return data processing reference demo source code
param	OnBatteryListener
return	null

1.6 setOnHandleListener ()

function	setOnHandleListener (OnHandleListener)
description	Set device key Listener, Return data processing reference demo source code
param	OnHandleListener
return	null

1.7 getVersion ()

function	String getVersion ()
description	Get firmware version
param	null
return	String: firmware version

1.8 getRfidVersion ()

function	String getRfidVersion ()
description	Get module version
param	null
return	String: uhf module version

1.9 inventoryOnce ()

function	inventoryOnce ()
description	Inventory Once, Data upload in OnUHFListener, Reference demo
param	null
return	null

1.10 inventory ()

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function	inventory ()
description	Inventory continuous, Data upload in OnUHFListener, Reference demo
param	null
return	null

1.11 stopInventory ()

function	boolean stopTagInventory()
description	Used to stop TagInventory, after inventory used
param	null
return	null

1.12 readTag ()

function	byte[] readTag(int bank, int start, int length, byte[] access_password)
description	Get tag data
param	int mbank, read tag bank, 0:RESERVED, 1:EPC, 2:TID, 3:USER int startaddr, read tag start addr, (word) int length, read tag length byte[] rdata, tag data
return	byte[]:数据信息

1.13 writeTag ()

function	writeTag(int bank, int start, int length, byte[] access_password, byte[] data)
description	Write data to tag
param	int bank, Write tag bank, 0:RESERVED, 1:EPC, 2:TID, 3:USER int start, Write tag start addr, (word) byte[] data, write data int length, write data length, (word) byte[]access_password, access pasword, 4byte length data
return	null

1.14 lockTag ()

function	lockTag(byte[] access_password, int area, int type)
description	Lock tag
param	Area:lock area Type:lock type, 包括解锁定、锁定、永久锁定。请 Reference demo 源码 byte[] accesspasswd, 访问密码, 4byte
return	null

1.15 killTag()

function	killTag(byte[] kill_password)
description	Kill tag。Tags that have been successfully deactivated cannot be recognized by the device anymore, please handle with caution. All 0 passwords cannot deactivate tags。

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param	byte[] kill_passwd, kill password
return	null

1.16 int getRegion()

function	int getRegion()
description	Get Region
param	null
return	Int Region

1.17 setRegion()

function	READER_ERR setRegion(int region)
description	Set Region, The frequency band and region in which the device operates are consistent.
param	int region
return	null

1.18 setFrequencyHopping ()

function	setFrequencyHopping (boolean auto)
description	Set automatic frequency hopping mode
param	Boolean auto
return	null

1.19 getPower()

function	int getPower()
description	Get device power
param	null
return	Int success Null get fail

1.20 setPower()

function	READER_ERR setPower(int readPower, int writePower)
description	Set power
param	int readPower, read power(16~26)
return	

1.21 getBattery()

function	getBattery()
description	Used with OnBatteryListener, Reference demo
param	null
return	

1.22 disconnect ()

function	int disconnect ()
description	disconnect

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param	null
return	null
1.23 close()	
function	close()
description	Close instance
param	null
return	null

For more details, please Reference demo source code.

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