Bluetooth Client

Non-Visible component

Category	Requires	Version
Connectivity	API 19, Android 4.4 - 4.4.4 KitKat	6

Overview

A non-visible component that acts as a bluetooth client.

Permissions

- android.permission.BLUETOOTH_ADMIN
- android.permission.BLUETOOTH

Events

BluetoothError

The BluetoothError event is no longer used. Please use the Screen.ErrorOccurred event instead.

Params	
function Name	Text
message	Text

Methods

Bytes Available To Receive

Returns: *Number*

Returns an estimate of the number of bytes that can be received without blocking

Connect

Returns: *Boolean*

Connect to the Bluetooth device with the specified address and the Serial Port Profile (SPP). Returns true if the connection was successful.

Params	
address	Text

Connect With UUID

Returns: *Boolean*

Connect to the Bluetooth device with the specified address and UUID. Returns true if the connection was successful.

Params	
address	Text
uuid	Text

Disconnect

Disconnect from the connected Bluetooth device.

Is Device Paired

Returns: *Boolean*

Checks whether the Bluetooth device with the specified address is paired.

Params	
address	Text

Receive Signed 1 Byte Number

Returns: *Number*

Receive a signed 1-byte number from the connected Bluetooth device.

Receive Signed 2 Byte Number

Returns: *Number*

Receive a signed 2-byte number from the connected Bluetooth device.

Receive Signed 4 Byte Number

Returns: *Number*

Receive a signed 4-byte number from the connected Bluetooth device.

Receive Signed Bytes

Returns: *List*

Receive multiple signed byte values from the connected Bluetooth device. If numberOfBytes is less than 0, read until a delimiter byte value is received.

Params	
number Of Bytes	Number

Receive Text

Returns: *Text*

Receive text from the connected Bluetooth device. If numberOfBytes is less than 0, read until a delimiter byte value is received.

Params	
number Of Bytes	Number

Receive Unsigned 1 Byte Number

Returns: *Number*

Receive an unsigned 1-byte number from the connected Bluetooth device.

Receive Unsigned 2 Byte Number

Returns: *Number*

Receive a unsigned 2-byte number from the connected Bluetooth device.

Receive Unsigned 4 Byte Number

Returns: *Number*

Receive a unsigned 4-byte number from the connected Bluetooth device.

Receive Unsigned Bytes

Returns: *List*

Receive multiple unsigned byte values from the connected Bluetooth device. If numberOfBytes is less than 0, read until a delimiter byte value is received.

Params	
number Of Bytes	Number

Remove Name From Address

Returns: *Text*

Remove the Name from a Bluetooth Address and Name String.

Params	
address And Name	Text

Send 1 Byte Number

Send a 1-byte number to the connected Bluetooth device.

Params	
number	Text

Send 2 Byte Number

Send a 2-byte number to the connected Bluetooth device.

Params	
number	Text

Send 4 Byte Number

Send a 4-byte number to the connected Bluetooth device.

Params	
number	Text

Send Bytes

Send a list of byte values to the connected Bluetooth device.

Params	
list	List

Send Text

Send text to the connected Bluetooth device.

Params	
text	Text

Properties

Addresses And Names

List — Read - Blocks

The addresses and names of paired Bluetooth devices

Available

Boolean — Read - Blocks

Whether Bluetooth is available on the device

Character Encoding

Text Default: *UTF-8* — Read Write - Designer Blocks

Sets the character encoding to use when sending and receiving text.

Delimiter Byte

Number Default: *0* — Read Write - Designer Blocks

Sets the delimiter byte to use when passing a negative number for thenumberOfBytes parameter when calling ReceiveText, ReceiveSignedBytes, orReceiveUnsignedBytes.

Enabled

Boolean — Read - Blocks

Whether Bluetooth is enabled

High Byte First

Boolean Default: *False* — Read Write - Designer Blocks

Returns true if numbers are sent and received with the most significantbyte first.

Is Connected

Boolean — Read - Blocks

Returns true if a connection to a Bluetooth device has been made.

Secure

Boolean Default: *True* — Read Write - Designer Blocks

Whether to invoke SSP (Simple Secure Pairing), which is supported on devices with Bluetooth v2.1 or higher. When working with embedded Bluetooth devices, this property may need to be set to False. For Android 2.0-2.2, this property setting will be ignored.

Last update: January 26, 2020