

Bluetooth Server

Non-Visible component

Category	Requires	Version
Connectivity	API 19, Android 4.4 - 4.4.4 KitKat	5

Overview

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

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

Connection Accepted

Indicates that a bluetooth connection has been accepted.

Methods

Accept Connection

Accept an incoming connection with the Serial Port Profile (SPP).

Params	
service Name	Text

Accept Connection With UUID

Accept an incoming connection with a specific UUID.

Params	
service Name	Text
uuid	Text

Bytes Available To Receive

Returns: *Number*

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

Disconnect

Disconnect from the connected Bluetooth device.

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	<i>Number</i>

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	<i>Number</i>

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	<i>Number</i>

Send 1 Byte Number

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

Params	
number	<i>Text</i>

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

Stop Accepting

Stop accepting an incoming connection.

Properties

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 the `numberOfBytes` parameter when calling `ReceiveText`, `ReceiveSignedBytes`, or `ReceiveUnsignedBytes`.

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 significant byte first.

Is Accepting

Boolean — Read - Blocks

Returns true if this BluetoothServer component is accepting an incoming connection.

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