

## Class Overview

NeuroSky and MindSet are connected by a Bluetooth communication.  
NeuroSky receives EEG Power data, parses received packets, and notify result to Activity.

## Summary

Nested Classes		
class	NeuroSky.ConnectThread	Bluetooth SPP connection control thread class.
class	NeuroSky.ConnectedThread	Received packet parse thread class.

Constants		
int	BT_STATE_NONE	Initial status.
int	BT_STATE_LISTEN	DEPRECATED.
int	BT_STATE_CONNECTIONG	Attempting to connect remote device.
int	BT_STATE_CONNECTED	Established to connect remote device.
int	MESSAGE_BT_STATUS_CHANGE	Changed to status.
int	MESSAGE_BT_SPP_READ	DEPRECATED.
int	MESSAGE_BT_SPP_WRITE	DEPRECATED.
int	MESSAEG_BT_DEVICE_NAME	Remote device name notification.
int	MESSAGE_BT_TOAST	Error message notification.

Public Constructors	
	NeuroSky(BluetoothAdapter adapter, Handler handler)

Public Methods	
void	getVersion() Return the API Version
void	connect(BluetoothDevice btDevice) Attempt to connect remote device. ( via SPP connection. )
void	close() Close Bluetooth connection.
void	start(boolean rawDataEnable) Start receiving EEG Power data.
void	stop() Stop receiving EEG Power data.
void	getStatus() Return the Bluetooth status.

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## Constants

public static final int **BT\_STATE\_NONE**

Constant Value: 0 (0x00000000)

public static final int **BT\_STATE\_LISTEN**

**DEPRECATED**

Constant Value: 1 (0x00000001)

public static final int **BT\_STATE\_CONNECTING**

Constant Value: 2 (0x00000002)

public static final int **BT\_STATE\_CONNECTED**

Constant Value: 3 (0x00000003)

public static final int **MESSAGE\_BT\_STATUS\_CHANGE**

Constant Value: 1 (0x00000001)

public static final int **MESSAGE\_BT\_SPP\_READ**

**DEPRECATED**

Constant Value: 2 (0x00000002)

public static final int **MESSAGE\_BT\_SPP\_WRITE**

**DEPRECATED**

Constant Value: 3 (0x00000003)

public static final int **MESSAGE\_BT\_DEVICE\_NAME**

Constant Value: 4 (0x00000004)

public static final int **MESSAGE\_BT\_TOAST**

Constant Value: 5 (0x00000005)

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## Public Constructors

public **NeuroSky** (BluetoothAdapter btAdapter, Handler handler)

**Parameters**

btAdapter	ThinkGear BluetoothAdapter
handler	Handler object

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## Public Methods

public String **getVersion** ()

Return the API Version

**Returns**

API Version

public void **connect** (BluetoothDevice btDevice)

Attempt to connect remote device. ( via SPP connection. )

**Parameters**

btAdapter	ThinkGear BluetoothAdapter
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public void **close** ()

Close Bluetooth connection.

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public void start (boolean rawDataEnable)
```

Start receiving EEG Power data.

**Parameters**

rawDataEnable	true : Receive “EEG Power Raw Wave Data” packets.
	false : Ignore “EEG Power Raw Wave Data” packets.

```
public void stop ()
```

Stop receiving EEG Power data.

```
public int getStatus ()
```

**Returns**

Bluetooth status.

public class

NeuroData

implements Serializable

com.neurosky.android

NeuroData

## Class Overview

NeuroData is value class of EEG Power digest packet data.

## Summary

Public Constructors	
	NeuroData()
	NeuroData( int signal, int delta, int theta, int lowAlpha, int highAlpha, int lowBeta, int highBeta, int lowGamma, int midGamma, int attention, int meditation )

Public Methods	
String	getAllString() Return All properties as String
[ Getter Methods ]	
int	getSignal() Return POOR_SIGNAL Quality.
int	getDelta() Return ASIC_EEG_POWER_INT : delta
int	getTheta() Return ASIC_EEG_POWER_ING : theta
int	getLowAlpha() Return ASIC_EEG_POWER_INT : low-alpha
int	getHighAlpha() Return ASIC_EEG_POWER_ING : high-alpha
int	getLowBeta() Return ASIC_EEG_POWER_INT : low-beta

int	getHighBeta() Return ASIC_EEG_POWER_ING : high-beta
int	getLowGamma() Return ASIC_EEG_POWER_INT : low-gamma
int	getMidGamma() Return ASIC_EEG_POWER_INT : mid-gamma
int	getAttention() Return ATTENTION eSense
int	getMeditation() Return MEDITATION eSense
<b>[ Setter Methods ]</b>	
void	setSignal (int arg) Set POOR_SIGNAL Quality.
void	setDelta (int arg) Set ASIC_EEG_POWER_ING : delta
void	setTheta (int arg) Set ASIC_EEG_POWER_ING : theta
void	setLowAlpha (int arg) Set ASIC_EEG_POWER_ING : low-alpha
void	setHighAlpha (int arg) Set ASIC_EEG_POWER_ING : high-alpha
void	setLowBeta (int arg) Set ASIC_EEG_POWER_ING : low-beta
void	setHighBeta (int arg) Set ASIC_EEG_POWER_ING : high-beta
void	setLowGamma (int arg) Set ASIC_EEG_POWER_ING : low-gamma
void	setMidGamma (int arg) Set ASIC_EEG_POWER_ING : mid-gamma
void	setAttention (int arg) Set ATTENTION eSense
void	setMeditation (int arg) Set MEDITATION eSense

```
public String getAllString()
```

**Returns**

Delta, Theta, Low Alpha, High Alpha, Low Beta, High Beta, Low Gamma, Mid Gamma, Attention, Meditation as CSV String value