App Inventor Blocks

```
when Right .TouchUp
do  call BluetoothClient1 .SendText
                            text  " Z "
```

```
when Up .TouchUp
do  call BluetoothClient1 .SendText
                            text  " Z "
```

```
when Down .TouchDown
do  call BluetoothClient1 .SendText
                            text  " D "
```

```
when Left .TouchDown
do  call BluetoothClient1 .SendText
                            text  " L "
```

```
when Happy .Click
do  call BluetoothClient1 .SendText
                            text  " H "
```

```
when Love .Click
do  call BluetoothClient1 .SendText
                            text  " B "
```

```
when Clock1 .Timer
do  if    BluetoothClient1 . IsConnected
    then  set Label2 . Text to " CONNECTED "
          set Label2 . BackgroundColor to [green]
    if    not  BluetoothClient1 . IsConnected
    then  set Label2 . Text to " NOT CONNECTED "
          set Label2 . BackgroundColor to [red]
```

```
when Sendmessage .Click
do  set Terminal . Text to  Terminal . Text
    call BluetoothClient1 .Send1ByteNumber
                            number  255
    call BluetoothClient1 .SendText
                            text  Terminal . Text
    call BluetoothClient1 .Send1ByteNumber
                            number  0
```

```
when Right .TouchDown
do  call BluetoothClient1 .SendText
                            text  " R "
```

```
when Up .TouchDown
do  call BluetoothClient1 .SendText
                            text  " U "
```

```
when Down .TouchUp
do  call BluetoothClient1 .SendText
                            text  " Z "
```

```
when Left .TouchUp
do  call BluetoothClient1 .SendText
                            text  " Z "
```

```
when Neutral .Click
do  call BluetoothClient1 .SendText
                            text  " N "
```

```
when Angry .Click
do  call BluetoothClient1 .SendText
                            text  " A "
```

```
when Connect .AfterPicking
do  evaluate but ignore result  call BluetoothClient1 .Connect
                                address  Connect . Selection
```

```
when Screen1 .Initialize
do  set Connect . Elements to  BluetoothClient1 . AddressesAndNames
```

```
when Clear .Click
do  set Terminal . Text to " "
```

```
when Disconnect .Click
do  call BluetoothClient1 .Disconnect
```

Robot Controls (App Screen)

Robot Controls

Bluetooth Module Controls

Connect   Disconnect   CONNECTED

Display a message

...

Clear Terminal   Send to WALL-E

WALL-E ROBOT CONTROLS

HEAD UP

TURN LEFT   TURN RIGHT

HEAD DOWN

WALL-E MODES

Angry   Happy

Love   Neutral