

## Bluegiga Forums / Community Forums / Bluetooth Smart

## On the BLE112 is there an output pin to indicate a Bluetooth connection?

Answered



Don Merchant

asked this on March 20, 2014, 03:10

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What I'm looking for is an indication that the bluetooth is connected and I can trigger an input on my micro or just light an LED. Is there a pin already designated for this?

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## Comments



Ben R

There is no dedicated pin, but there is a connection event that occurs upon connection and within that event you can do anything you like, like rise an i/o pin from low to high for example.

March 21, 2014, 00:20



Don Merchant

Ok so I'm rather new to using this module. What do I need in order to do what you are suggesting? Is there an IDE or software package that I can change pins to do what I want them too? Do I need some sort of programmer?

Just looking for steps needed to accomplish this.

Thanks.

Don

March 21, 2014, 02:30



Greg Rowberg

Don,

Answer

I would suggest taking a few minutes to read through these helpful Knowledge Base articles in order to familiarize yourself with the module and the different hardware and software requirements you'll need to accomplish your project.

<https://bluegiga.zendesk.com/entries/41623188--REFERENCE-DKBLE112-o...>

<https://bluegiga.zendesk.com/entries/22412436--REFERENCE-What-is-th...>

<https://bluegiga.zendesk.com/entries/22442106--HOW-TO-Using-the-BLE...>

Ben was correct in his response. When a connection is made with your BLE112, it generates the connection\_status event. Take a look at the Bluetooth Smart Software API Reference Guide under Documentation and Software > User Guides for the BLE112. You'll find more information about this on page 85.

You could connect an LED to an I/O pin, and then have your program automatically set that pin high when the module makes a connection, and set it low when it disconnects. Specifically, what you'd want to do is include a hardware i/o port write command in your connection status even. Inside your BG Script project file, you'll want to include:

```
event connection_status(connection, flags, address, address_type, conn_interval, timeout, latency, bonding)
call hardware_io_port_write(0, 1, 1) # set P0_0 high
end
```

```
event connection_disconnected(connection, reason)
call hardware_io_port_write(0, 1, 0) # set P0_0 low
end
```

In this case, it would be setting pin 0\_0 high after the connection event and low after the disconnect event.

March 21, 2014, 03:47

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