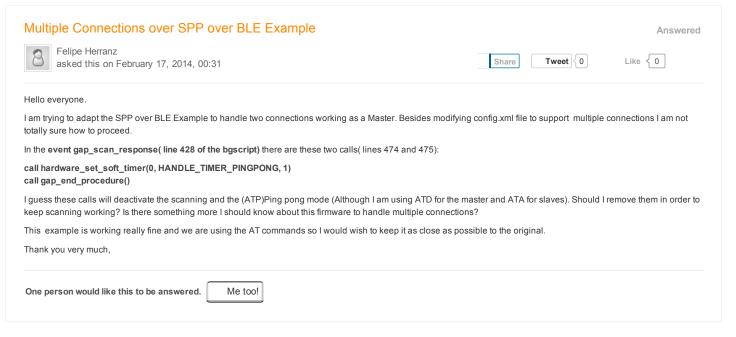
Bluegiga Forums / Community Forums / Bluetooth Smart



Comments



Hello again.

I have tested removing the call gap_end_procedure() and even I could see it is the only call of that kind executed within a connection process still I can not connect more devices(event gap_scan_response does not happen either)

Felipe Herranz

As I said previously I modified the config.xml to allow multiple connections and connection interval is connected as follows:

 $config_page_3(8:2) = \$0010 \# connection interval, default 20ms (16 * 1.25ms)$

Maybe I am forgetting something... any clue? I will keep trying anyways.

Thanks in advance

February 19, 2014, 02:23



Bluegiga Technologies

Hi Felipe,

Answer

The SPP-over-BLE project cannot really be modified for multiple connections without significant effort, and by definition it would no longer be a transparent data pipe, since you would have to modify it to allow simultaneous connection sending and receiving, similar to MUX mode in iWRAP on our classic Bluetooth module. There isn't enough RAM on the module to receive and buffer incoming data from a non-active channel while an active one is being used; you would need to have all channels active at the same time (i.e. MUX mode).

The gap_end_procedure call is used for ATH and if the connection times out; otherwise the connection attempt will go forever. You have to manually restart scanning after a connection is established, if you want to resume scanning.

But fundamentally this is a very complex modification that will have to change many parts of the project code to work reliably, including the actual data stream.

February 19, 2014, 03:12



Thank you very much Jeff,

I will give it a try anyways

February 19, 2014, 11:15

Felipe Herranz

Hi Felipe,

Have you managed to make any progress regarding this issue?