

Tizen Wearable issue on OS 5.5

Issue: Couldn't write characteristic to start OBU on **Tizen OS 5.5** (it works fine on **OS 2.3**);

- Start:

```
public void startOBU() {
    FileHelper.saveToFile("startOBU command send from app ...");

    sessionrunning = true;

    byte[] cmd_start = {0x01, 0x00, 0x00, 0x7D, 0x01};
    writeCharacteristic(cmd_start);
}
```

- Stop:

```
public void stopOBU() {
    sessionrunning = false;
    FileHelper.saveToFile("stopOBU command send from app ...");

    byte[] cmd_stop = {0x01, 0x00, 0x00, 0x7D, 0x02};
    writeCharacteristic(cmd_stop);
}
```

Description

An unknown error appears when writing, we've checked Tizen's document but there is no explanation about the error.

Error from device logs

bluetooth_gatt_service.cc: WriteValue(481) > Couldn't register callback for write value -115 (Operation now in progress)

```
Info / FEEDBACKD ( 3021 : 3021 ) : standard.c: timer_cb(140) > Stop vibration by timer. id(0)
Error / CAPI_NETWORK_BLUETOOTH ( 15690 : 15690 ) : bluetooth-gatt.c: __bt_gatt_client_is_in_progress(3642) > Operation is in progress
Error / CAPI_NETWORK_BLUETOOTH ( 15690 : 15690 ) : bluetooth-gatt.c: bt_gatt_client_write_value(3927) > Operation is in progress
Error / WEBAPI_PLUGINS ( 15690 : 15690 ) : bluetooth_gatt_service.cc: WriteValue(481) > Couldn't register callback for write value -115 (Operation now in progress)
Info / POWER_MANAGER ( 2685 : 2685 ) : core.c: del_state_cond(894) > delete prohibit dim condition by timeout (3021)
Info / BMSERVER ( 2694 : 2694 ) : bm_listeners.c: __powerlock_signal_callback(1735) > [__powerlock_signal_callback:1735] powerlock value changed =lcdoff Pid=3021, timeout=18
Info / CHROMIUM ( 15690 : 15690 ) : [INFO:CONSOLE(736)] "Stop session", source: file:///app.js (736)
```

Steps:

1. Scan LE devices
2. Select device to connect
3. Connect to device
4. Get service to retrieve / write data
5. Start session (write characteristic to start OBU)

Below is the code is using to write characteristic (success on Tizen OS 2.3, failed on OS 5.5)

```
// -----  
// service read OBU data  
GATTServiceRX = remoteDevice.getService(RX_SERVICE_UUID);
```

```
GATTServiceRX.characteristics[0].writeValue(dataStartOBU, function() {  
    console.log('Write success');  
    obuSession = 'started';  
    sessionPageStartSessionBtn.innerHTML = 'Session Started';  
}, function(error) {  
    console.log('Write failed: ', error);  
    sessionPageStartSessionBtn.innerHTML = 'Unable to start session of OBU';  
});
```

<https://docs.tizen.org/application/web/guides/connectivity/bluetooth/#access-the-bluetooth-gatt-characteristic-value>

```
function writeSuccess(value) {  
    console.log('Written');  
}  
  
function writeFail(error) {  
    console.log('writeValue() failed: ' + error);  
}  
  
if (!property.iswritable) {  
    console.log('Property seems not to be writable. Attempting to write...');  
}  
var newValue = [82];  
  
property.writeValue(newValue, writeSuccess, writeFail);
```