



Rachel RAMA4942 &lt;rama4942@colorado.edu&gt;

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**Fwd: Questions about remote control of treadmill [ ref:\_00D708PxE.\_5003n2O6Rfr:ref ]**

1 message

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**Alaa Ahmed** <alaa@colorado.edu>

Fri, May 22, 2020 at 10:22 AM

To: Rachel Marbaker &lt;Rachel.Marbaker@colorado.edu&gt;

Info about the force data acquisition.. It is mainly in C/C++ though, but she will let us know if she knows of somebody using Matlab. We can take a shot at the C code though.

alaa

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Begin forwarded message:

**From:** Support <[support@bertec.com](mailto:support@bertec.com)>**Subject:** Re: Questions about remote control of treadmill [ ref:\_00D708PxE.\_5003n2O6Rfr:ref ]**Date:** May 21, 2020 at 3:03:15 PM MDT**To:** "alaa@colorado.edu" <alaa@colorado.edu>

Hi Alaa,

That's great to hear!

For the force data, that is through a different signal path, so it won't be through the same feature as you noticed. We do have a software developer toolkit (SDK) for that data, which you can find at this link:

[http://downloads.bertec.com/Bertec\\_Device\\_SDK\\_March\\_2019.zip](http://downloads.bertec.com/Bertec_Device_SDK_March_2019.zip)

Since this is more code based (like C/C#/C++ and .NET instead of Matlab coding), it may have some additional hurdles. As a standard disclaimer: There are some items that we can't answer just depending on how it impacts user safety.

I always recommend if you run into an issue then just let me know. I'll see if we can answer it or not. Sometimes Bertec can't supply a direct answer, but what I have been able to do is point people in the direction of specific forums.

And then let me supply you the revision history here:

[http://downloads.bertec.com/Bertec\\_Device\\_SDK\\_March\\_2019.html](http://downloads.bertec.com/Bertec_Device_SDK_March_2019.html)

As a first step, I definitely recommend that you familiarize yourself with the documentation since it has the info you need on the function calls and try out some of the examples before moving onto your direct project.

For utilizing this SDK with Matlab, I think other customers have done so. I'll see if I have a copy of any good references.

Regards,  
Carley

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----- Original Message -----

**From:** Alaa Ahmed [[alaa@colorado.edu](mailto:alaa@colorado.edu)]

**Sent:** 5/21/2020 2:57 PM

**To:** [support@bertec.com](mailto:support@bertec.com)

**Subject:** Re: Questions about remote control of treadmill [ ref:\_00D708PxE.\_5003n2O6Rfr:ref ]

Hi Carley,

Thanks so much for these files. We have managed to successfully communicate and control the treadmill remotely.

I was wondering whether you had any similar mfiles that would help us write something to acquire the force data as well via Matlab?

Thank you!  
alaa

On May 19, 2020, at 7:56 AM, Support <[support@bertec.com](mailto:support@bertec.com)> wrote:

Hi Alaa,

Sorry for the delay. Here is the link for the zipped file:

[https://berteccorp-my.sharepoint.com/:u:/g/personal/carley\\_fuller\\_bertec\\_com/EdPiNdxQd1hCoYiOwHQJUDoBqnM6MslM7IFCxZAIrfa-hA?e=v9pEzP](https://berteccorp-my.sharepoint.com/:u:/g/personal/carley_fuller_bertec_com/EdPiNdxQd1hCoYiOwHQJUDoBqnM6MslM7IFCxZAIrfa-hA?e=v9pEzP)

Let me know if we need to try something else. I can always try to upload to a cloud system as well if provided an upload link.

Regards,  
Carley

----- Original Message -----

**From:** Alaa Ahmed [[alaa@colorado.edu](mailto:alaa@colorado.edu)]

**Sent:** 5/15/2020 1:42 PM

**To:** [support@bertec.com](mailto:support@bertec.com)

**Subject:** Re: Questions about remote control of treadmill [ ref:\_00D708PxE.\_5003n2O6Rfr:ref ]

Thank you Carley. This is helpful.

Could you please try resending the folder, perhaps as a zip file, or via a cloud link? The university email service seems to have removed the attachment.

Best,  
alaa

On May 15, 2020, at 12:33 PM, Support <[support@bertec.com](mailto:support@bertec.com)> wrote:

This message originally contained an attachment that has been removed for your protection. The removed attachment had a file extension that is commonly used to package malicious content. If you were expecting the file, please contact the sender to arrange for an alternate delivery option. If you have questions about the attachment removal process, you are also welcome to contact the IT Service Center at [help@colorado.edu](mailto:help@colorado.edu) or 303-735-4357 (5-HELP from a campus phone). To learn more about these malicious file types, please go to <http://www.colorado.edu/oit/services/messaging-collaboration/e-mail-delivery-management/email-attachments>.

Hi Alaa,

Here is the info we have about the remote control feature:

The treadmill's remote control feature takes only a couple of quick steps to activate. Remote control use of the treadmill will involve code development on the user's end. To get you started, we provide good example code and documentation in the treadmill control panel's program files folder (ex. the address would be similar to C:\Program Files (x86)\Bertec\Treadmill\Remote).

Note: The example code is not intended to be used as is. It is only an example. Make sure to read all related documentation before using.

To setup the treadmill remote control feature:

- 1) Enable the feature in the software
  - a) With the Treadmill Control Panel open, click Settings
  - b) Check the Remote Control box at the bottom to enable the feature
  - c) Check the box by the Protocol you want to use (TCP or UDP). The default is TCP
  - d) Set the Listen to Port. The default is 4000
  - e) Leave the box checked by Listen on 127.0.0.1 only unless your code requires this to be unchecked

Now, you should be able to test the demo code or your code for remote control of the treadmill. For the demo code, the default settings should be used.

Additionally, attached to this email is a copy of the folder that would be available in the Program Files folder and updated documentation in a txt file format and a html file format.

I recommend getting familiar with all of the examples before diving into what you need, and if you have any trouble with the examples, then let me know.

Regards,  
Carley

ref:\_00D708PxE.\_5003n2O6Rf:ref

This message originally contained an attachment that has been removed for your protection. The removed attachment had a file extension that is commonly used to package malicious content.<treadmill remote control.txt>  
<treadmill remote control.html>