Hi, there,

I have checked several files, like 'U3 User's Guide.pdf', which gives many example pseudocodes based on C language and some Python examples, and also the 'LJTick-DAC Datasheet.pdf', which explained, for example, how to set DACA to 1.2 volts.

For example, the Example Pseudocode(‘U3 User's Guide’, Page 30):

ePut(lngHandle, LJ\_ioPIN\_CONFIGURATION\_RESET, 0, 0, 0);

But, I found the matlab code for the same function from the demo(I downloaded from this website) like this:

ljudObj.ePut(ljhandle, LabJack.LabJackUD.IO.PIN\_CONFIGURATION\_RESET, 0, 0, 0);

So, I guess the matlab code “LabJack.LabJackUD.IO.PIN\_CONFIGURATION\_RESET” should be same with the “LJ\_ioPIN\_CONFIGURATION\_RESET” from the pseudocode. By this way, now I have learned how to get input from AIN0~AIN3 and how to set a 0~5V value to DAC0~DAC1 by matlab codes.

Here is my question:

How can I “GUESS”, for example, the “LJ\_ioTDAC\_COMMUNICATION”(from ‘LJTick-DAC Datasheet’) should be in the matlab codes since I need to use LJTick-DAC to get a 10V output controlled by matlab codes in real time? By the way, I think those matlab demos are rewritten from C# codes, right? Should I check the C# codes to get some clues if I can find from your web? Can you tell me how to learn to control the LJTick-DAC by matlab? Is there more files I have missed? To guess the names of the all the parameters, Oh, that’s really out of my imagination :>

Thank you for your time.

I learned how to use the functions by this way:

1. Check the 'U3 User's Guide' to find how many parameters needed for the functions, for example "ePut()"(Page 24, there is an explanation for "eGet()", so I guess their parameters should be same):

LJ\_ERROR \_stdcall eGet( LJ\_HANDLE Handle, long IOType, long Channel, double \*pValue, long x1)

2. Search the "ePut" from the demos (I downloaded from this website, for example, "u3\_simple.m", line 34): ljudObj.ePut(ljhandle, LabJack.LabJackUD.IO.PUT\_ANALOG\_ENABLE\_PORT, 0, 15, int32(16));

3. Guessing the “LabJack.LabJackUD.IO.PUT\_ANALOG\_ENABLE\_PORT” should be one of “long IOType”…Test…and it works! So, I know I should use this code to

But when I got the “7 special channels:

LJ\_chTDAC\_SCL\_PIN\_NUM”