

SMARTLAB

USB 14/16 BIT  
Data Acquisition BOARD

INSTALLATION GUIDE

27 Oct 2011

Prepared by:

**Wilson Chen**

Decision-Computer RD department

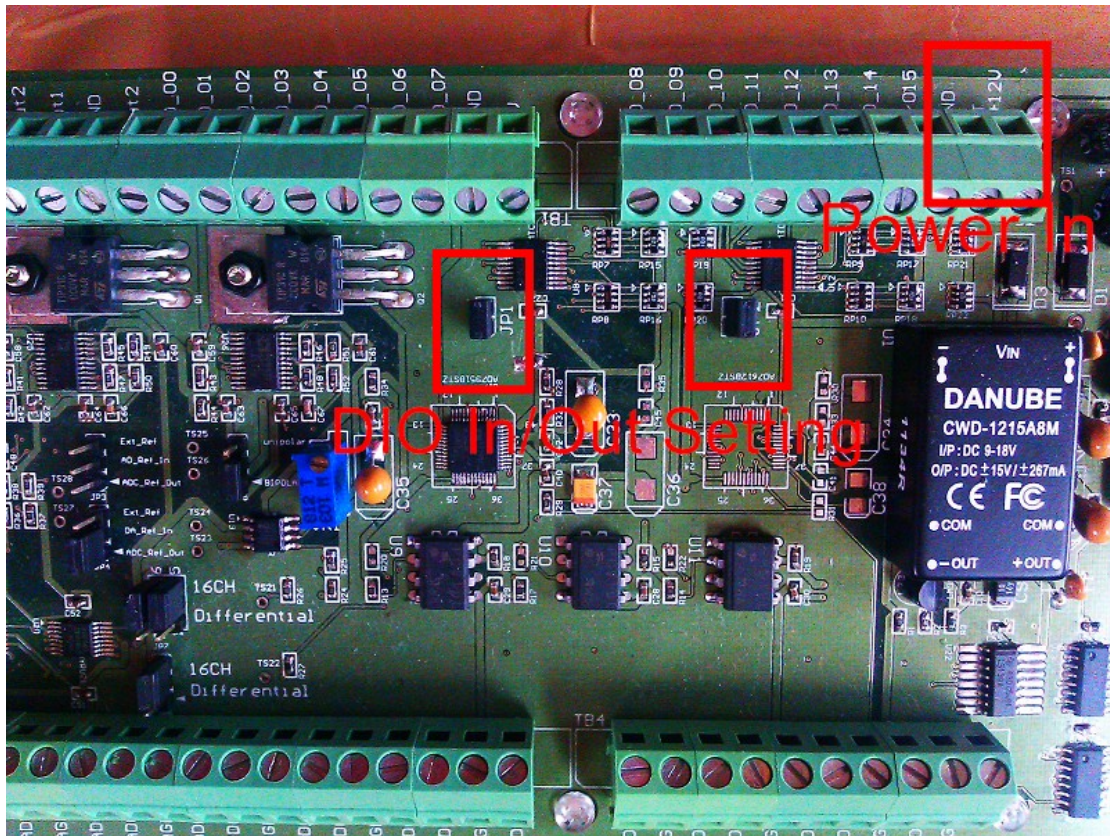
1. Please check jumper setting first.

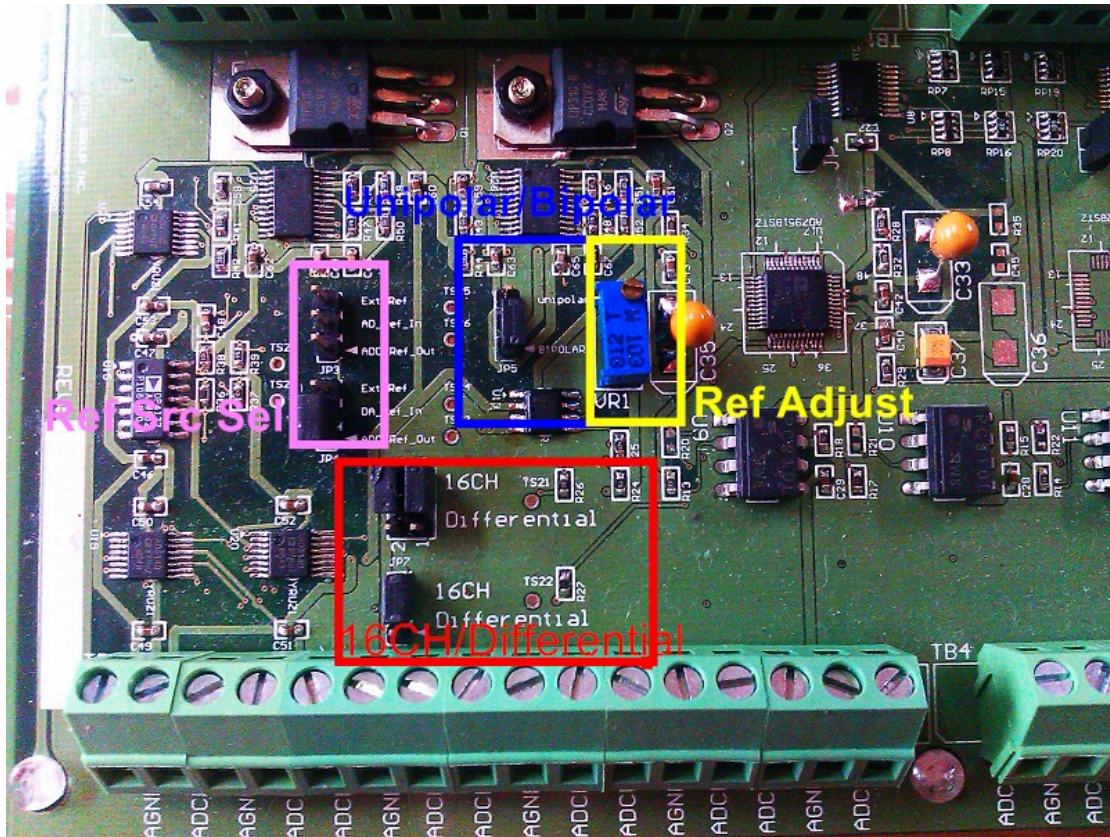
JP1/JP2 : DIO in/out setting : short is input, open is output.

JP3/JP4 : Reference source select, please leave JP3 open and JP4 short 1-2, currently we don't provide external reference input.

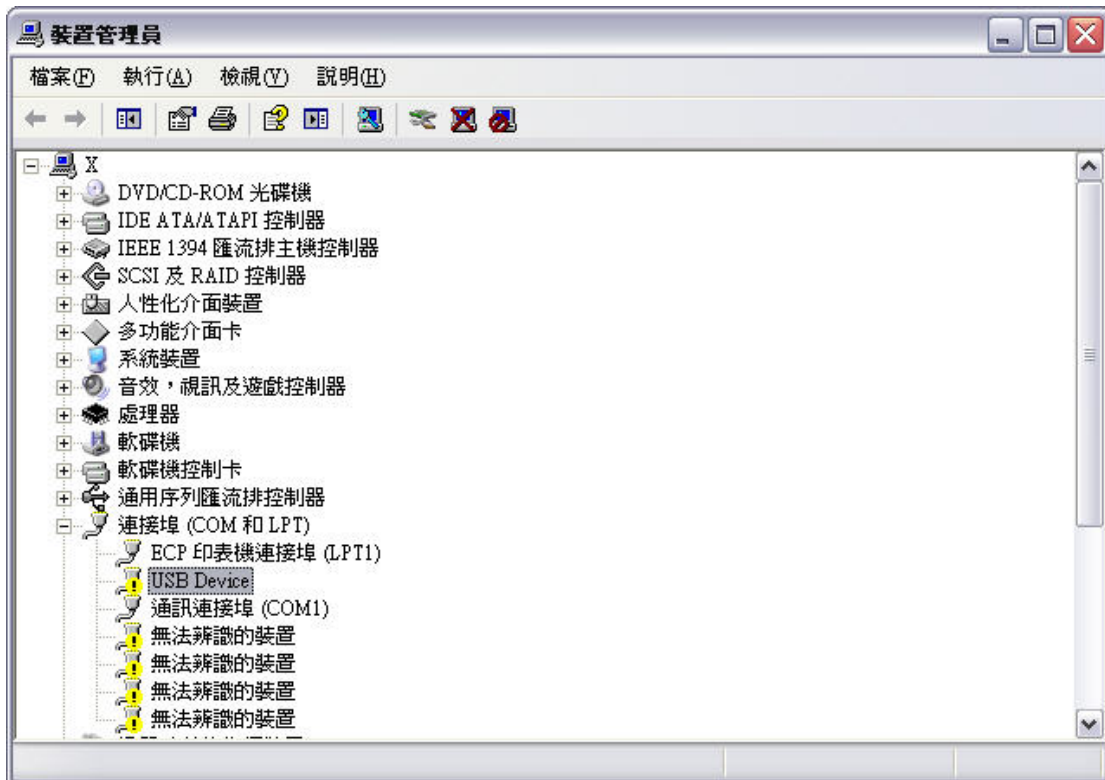
JP5 : unipolar / bipolar select, short 1-2 for bipolar, short 2-3 for unipolar

JP6/JP7 : single end / differential mode select, short JP6 1-2 and JP7 1-3,2-4 for differential mode, short JP6 2-3 and JP7 5-3,6-4 for single end.

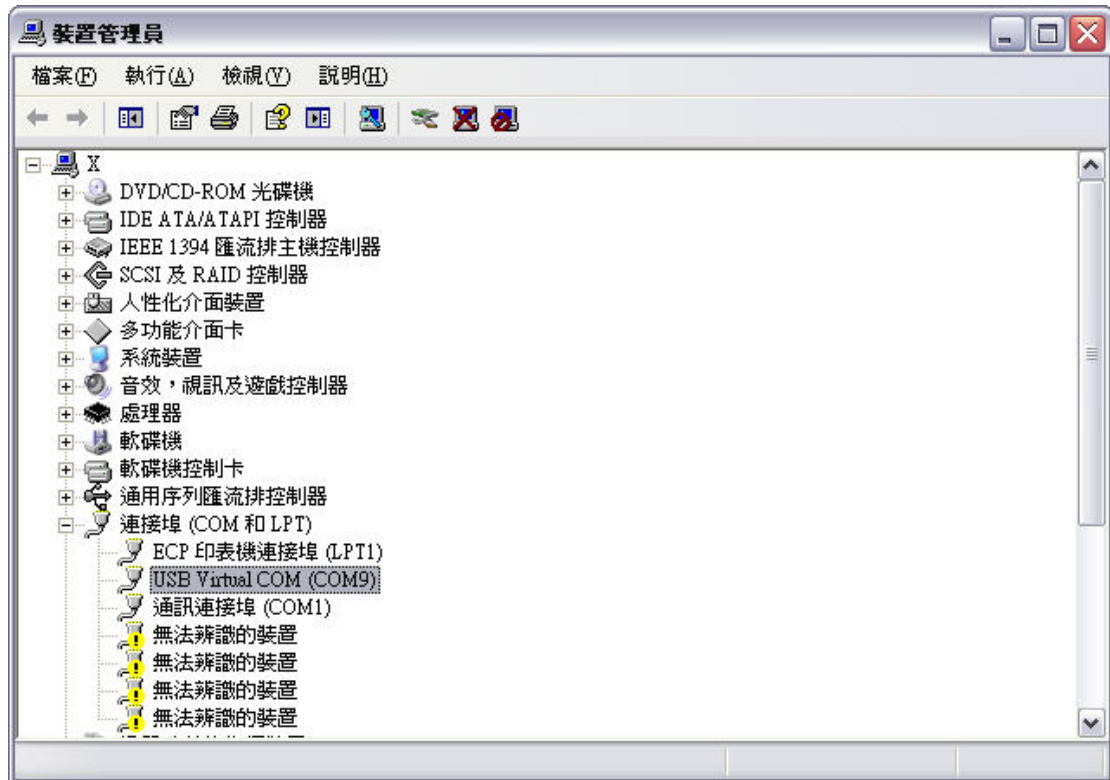




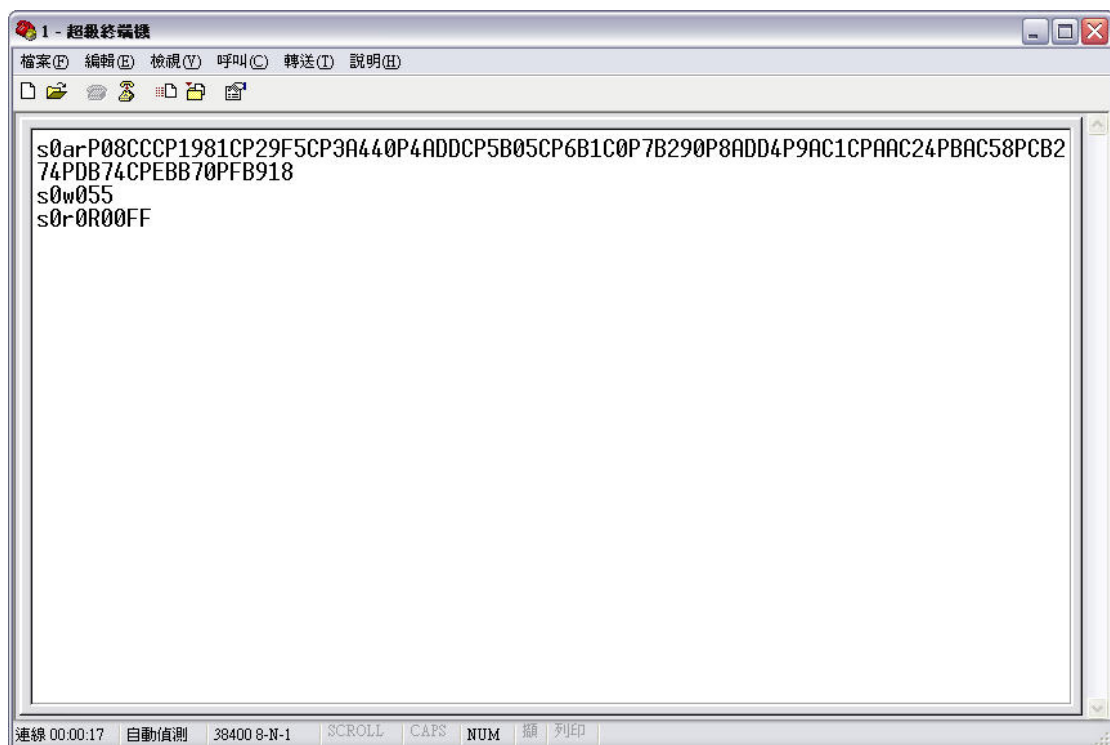
2. Connect +12 external power, check if the power led (LED1) is on.
3. Connect USB cable to PC.
4. PC will find an unknown device named "USB Device".



5. Install the device driver “Decision\_VCP\_driver\_32” in the driver folder.
6. After driver installing, you will find a “USB Virtual COM (COMxx)” in the device manager. You may also change the port number by setting COM port setting in the property.



7. Now you can access the USB ADDA board with hyper terminal. Please refer to the “ADDA\_CMD manual.doc” to see how to operate.



8. Or you may write a COM port communication program to operate the USB ADDA board. There is also an example VC program in the software directory called "USBtest\_hostxp\_vc\_110519ad\_beta".

