

Notice

This document provides some important notes about using Decision SmartLab USB Digital I/O Series. If you have further question about using these products, you can contact us by e-mail to decision@decision.com.tw. We sincerely welcome users can provide us valuable experiences or any kind of suggestions to improve our products.

1. Power Supply

Power supply form USB can be used
only for USB-STARTER and USB-LAB!

The power of our products can be supplied from USB or external DC 5V. When using power from external DC 5V or input signal voltage in input channel, please make sure the positive and negative ends are plugged in correctly. Otherwise the product might be damaged. If the device is out of function because this reason, you may try to reburn the firmware.

2. Connect Failed

When supplying power from USB, sometimes the connection between PC and the device may fail due to USB power supply insufficiently. The better and safe way is to supply power from external DC 5V.

3. USB Power Management in Windows

In Window System, USB communication might disconnect under Power Saving Mode or Sleep Mode. When connecting USB devices on PC, please make sure windows power management set in case interference with USB communication.

4. Multiple Devices Connect

When connecting multiple USB devices to one computer, make sure each device's ID on the board is unique. You can find how to set ID in the operation manual. We strongly recommend using a USB hub to connect multiple USB devices in one port to avoid USB conflict caused by USB controller in some computers.

5. Different Interface

In some products which contain a 2 x 5 header can connect to an extension board (optional) to achieve serial communication by RS-232 or RS-422 / RS-485 which can also access and control the device as well as by USB. Please select one as interface you want to use and remove the other one because it may cause interference when you connect both of interfaces.

6. Set Init Values for Output Port

We provide a tool for users to set init value for output port (open/close). The default value is all open for safety. Please use this function carefully to avoid danger when power on.