



VEBKO ONLINE HELP

Device Hardware Setting

Category	tester
Section	Default Setting
Language	English
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The general settings of the device are adjusted in the "Hardware" tab on the "Preferences" page. In the "Fan mode" section, selecting "Silent" will change the speed of the "Fan" depending on the temperature of the switches or heatsinks of the device which is displayed on this page. But, if the "Max.Power" option is selected, the fan of the device will work at its maximum power constantly.

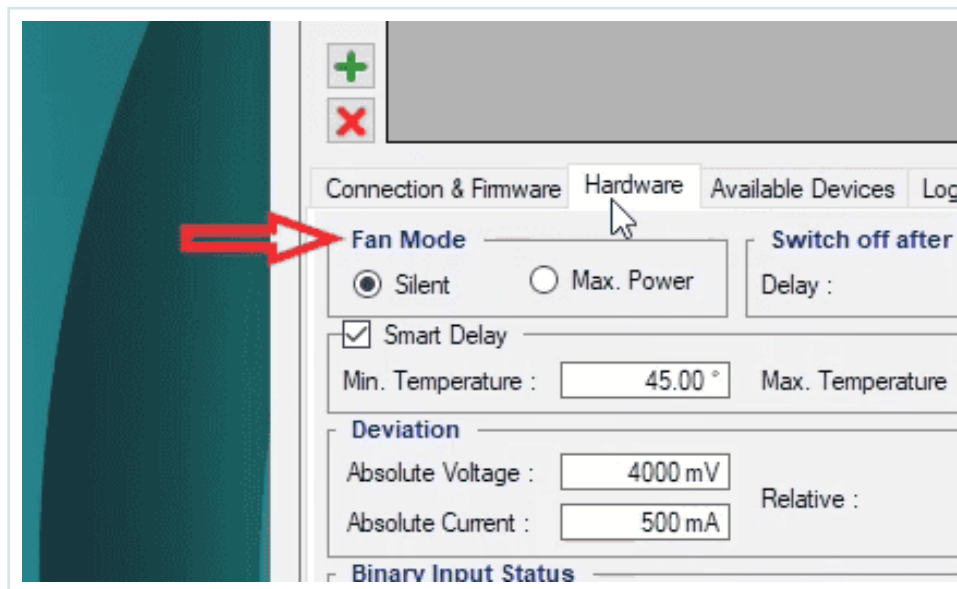


Figure 1

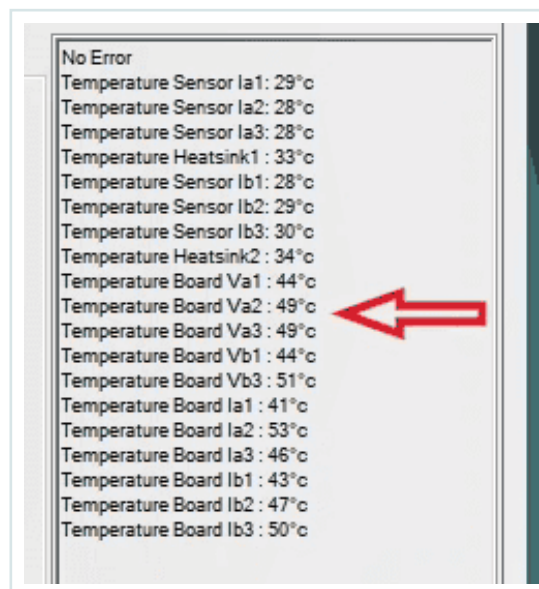


Figure 2

By activating the "Smart Delay" option, if the temperature of the device reaches 55 degrees, in the rooms such as "Distance" and "OverCurrent" where points are used for the test, the test will automatically pause and a message saying "Cooling" will be displayed on the bottom bar of the test screen. The test will not resume until the temperature reaches 45 degrees. The maximum operating temperature of the device is specified in the "Maximum Temperature" section. If the temperature of

the device exceeds this value, the device will stop working completely. This value can be changed up to 70 degrees but, except for certain conditions, the user must not set the temperature above 60 degrees.

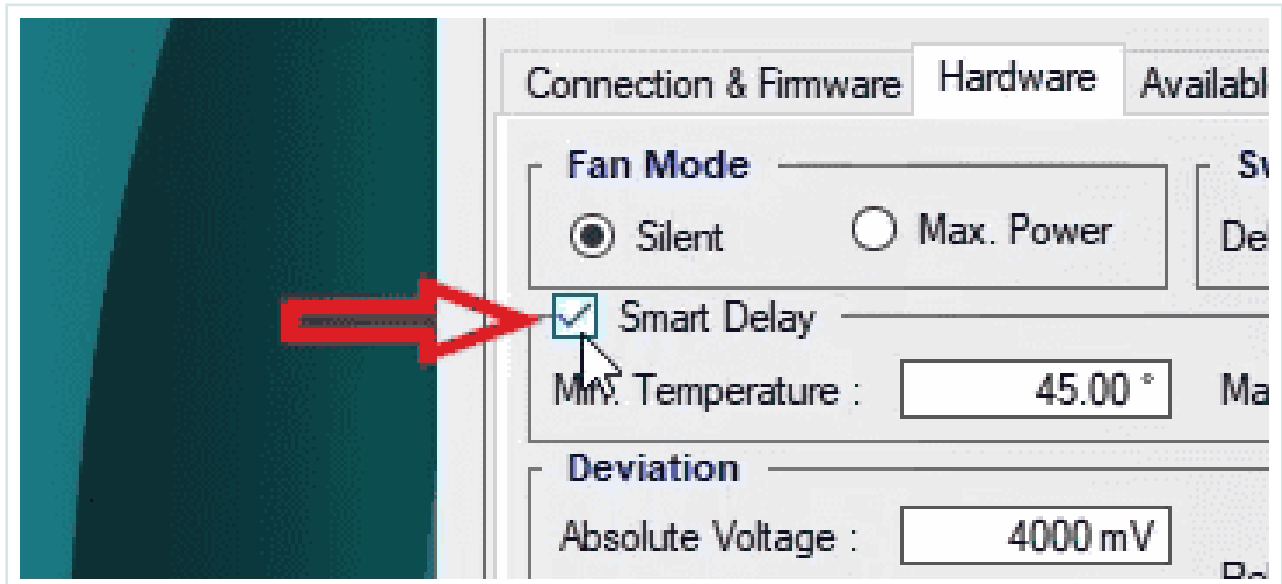


Figure 3

In the "Switch Off After Test" section, the user can specify how many seconds after the test is finished, the current and voltage switches should be opened. This number is set to 5 seconds by default but it can be increased up to 10 seconds. In the "Deviation" section, the reporting conditions for "Other" errors can be specified. By default, it is specified in the software that if there is a difference between actual voltage of the device and value specified in the software exceed 4 volts or the current difference goes over 500 mA, the "Other" error should be displayed. In the "Relative" section, this value is specified as a percentage of the value specified in the test. In the actual operating mode, the device uses the lowest value among these two for the error message.

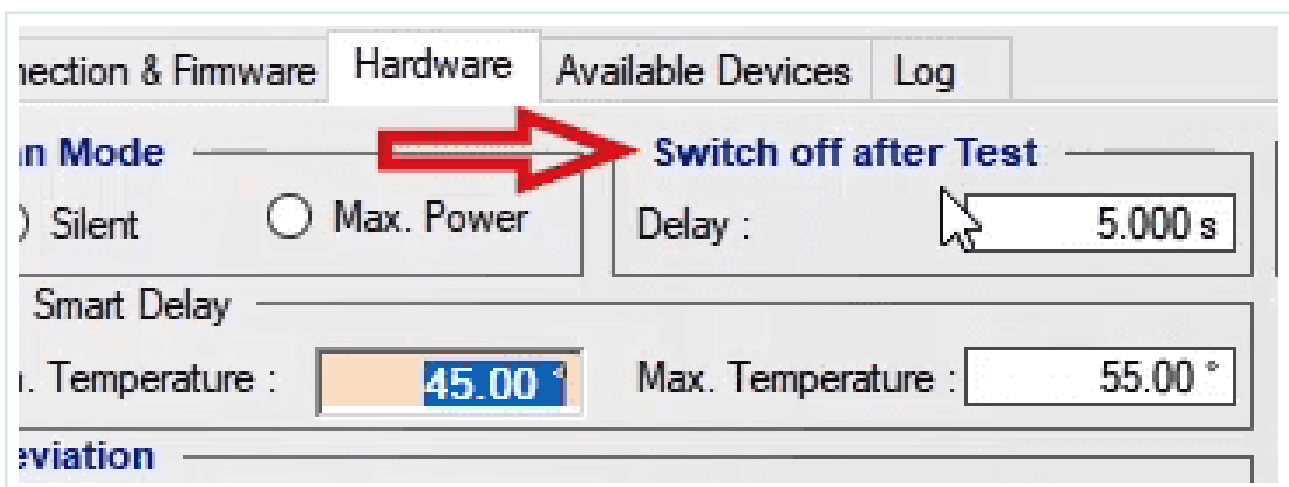


Figure 4

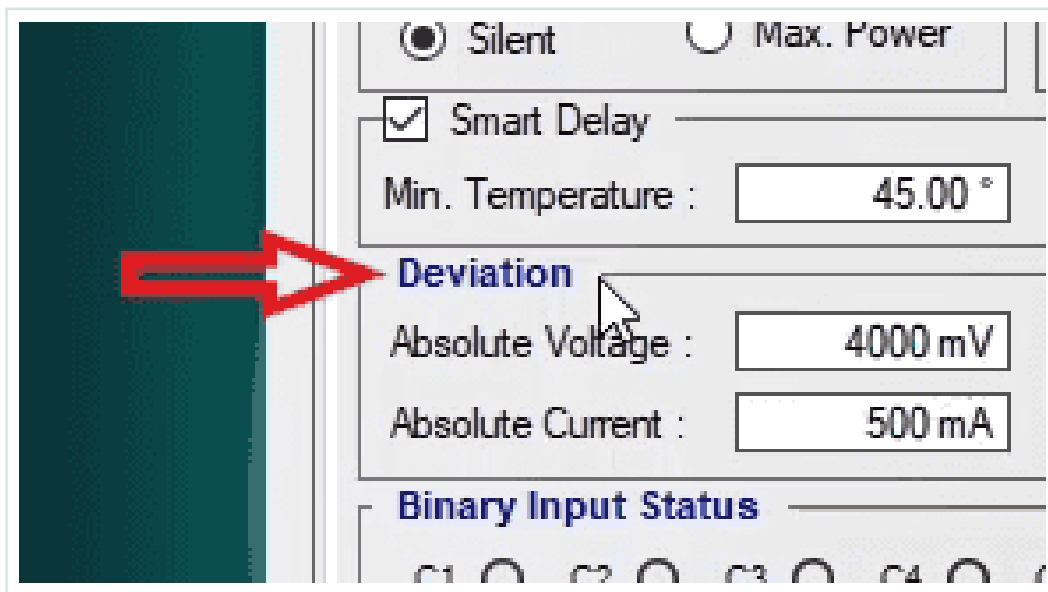


Figure 5

In the "Binary Input Status" section, it is specified which binary is connected and which binary is not.

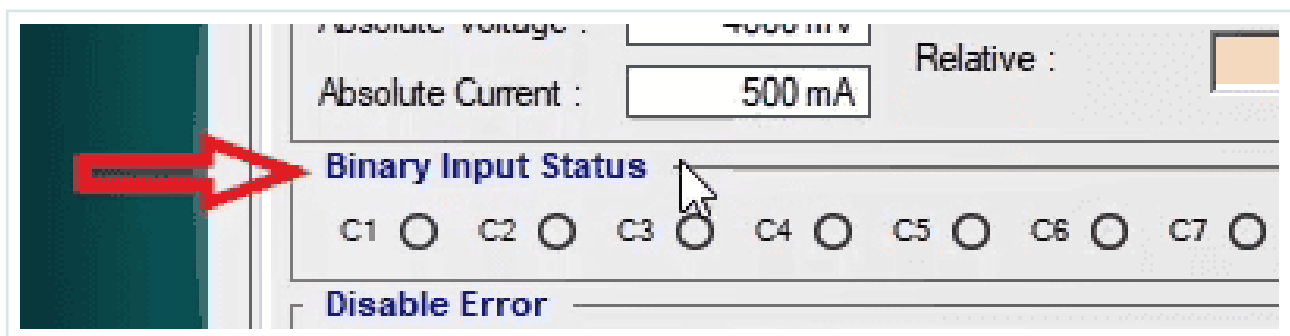


Figure 6

In the "Disable Error" section, a list of possible errors of the device is available and you can disable them.

"Select All Error Other": this error is displayed when the device is unable to produce the current and voltage asked by the user. The cause for this error can be the voltage outputs' short circuiting or the current outputs' open-circuiting. By opening the drop-down of each errors' fields, any error can be disabled for a number of voltage and current outputs.

"Select All Error Self": every time before running the test, the device checks its internal hardware to determine whether it is capable of generating +50V or -50V of voltage and +5A and -5A of current. If there is a problem, the device displays a "Self" error.

"Error Thermal": this error is displayed when the temperature of the device's sensors is increased. Occasionally, the thermal sensor of one of the switches has a problem, indicating irrational temperatures such as 800 degrees. In this case, in the slider of this section, it is possible to

deactivate the thermal error to continue working with the device.

"Error Over Current Binary 9": the binary 9 of the device can measure the current up to 500mA. If the input current of this binary exceeds this value, this error is displayed.

"Select All Error Over Voltage Binary": depending on the duration specified for them, if their input voltage exceeds the specified limit, the binary inputs of the device will display this error. For instance, in the 4.5V mode, if the input voltage of any of the binaries exceeds 4.5V, the device will display this error.

In the "Times For ignoring Over Voltage Binary" field, the maximum time allowed to ignore the "Over Voltage" error of the binary is specified. By default, it is set that if the time for the "Over Voltage" error is not shorter than 100 milliseconds, the device will not display any error about this matter.

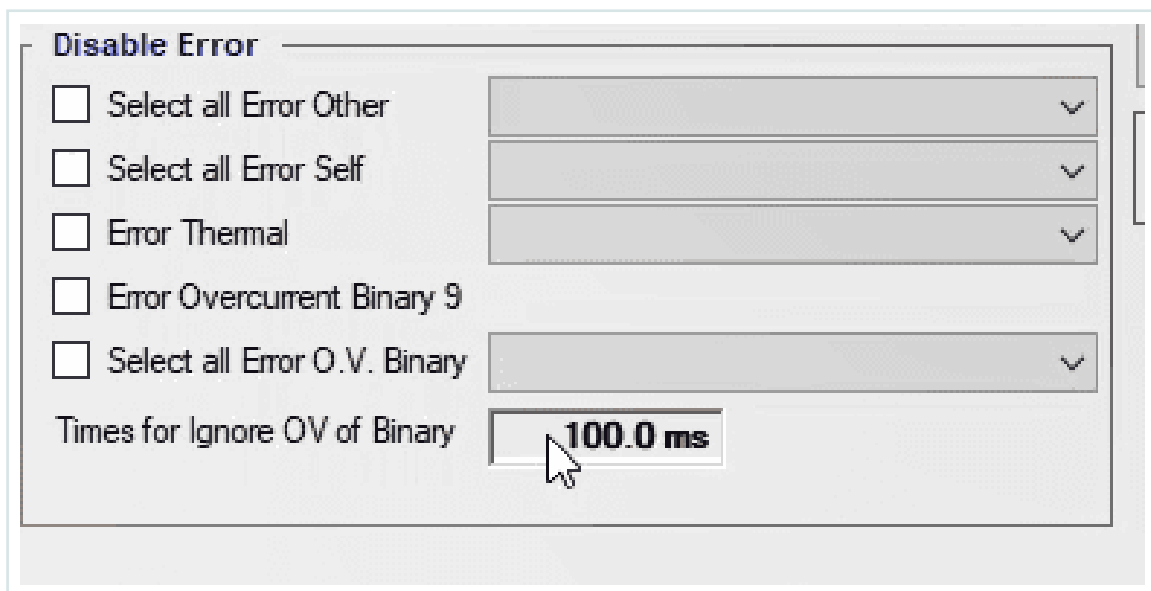


Figure 7

This should be noted that, since "Thermal Error" and "Error Over Current Binary 9" are among the fatal "Errors" of the device, their deactivation setting will not be saved by the software and will be disabled each time the software is run, then if this "Error" needs to be disabled, the user must do this manually. The "Check RAM" section is used for testing the RAM that is used in the "AMT". In the "Repetition" field, the number of times that a series of data are written in the RAM and erased is specified. This section can be used in case of uncertainty about the performance of the device's RAM. Since the writing and reading operations are performed on the RAM multiple times, eventually, if there is a problem in this process, the error light on the panel of the device will turn on.

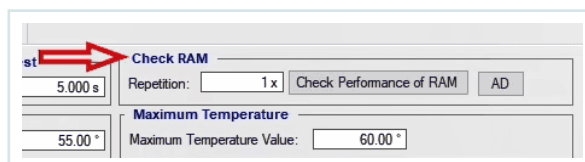


Figure 8

In the "Earth" section, it is possible to enable or disable the "Earth" error of the device. If the "Enable" option is checked, it is necessary to connect the "Earth" cable to perform the test. Otherwise, an "Earth" error will be displayed and the device will stop working. This error can be deactivated by unchecking the "Enable" option. But, it is vital to note that, doing so during the test can be lethal and as it is, also, stated in the displayed message, Vebko company will not be responsible.

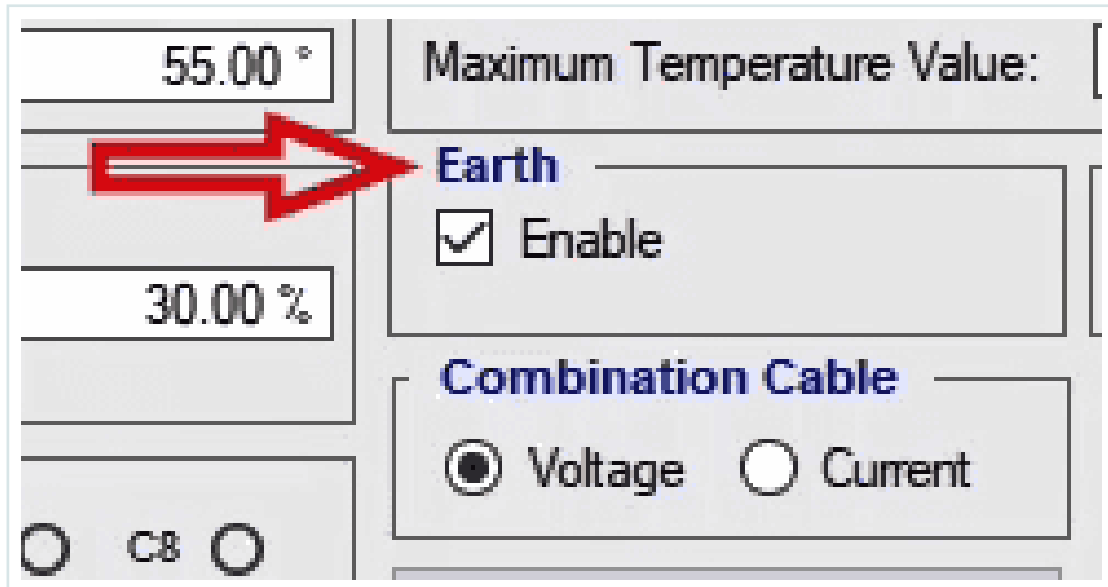


Figure 9

It is possible to activate or deactivate the main hardware switches of the device in the "Switches" section. The switch number 1 is related to the voltages and currents of the group A output. The switch number 2 is related to the voltages and currents of the group B and V_{DC} . By deactivating every switch, all outputs of that switch will be deactivated.

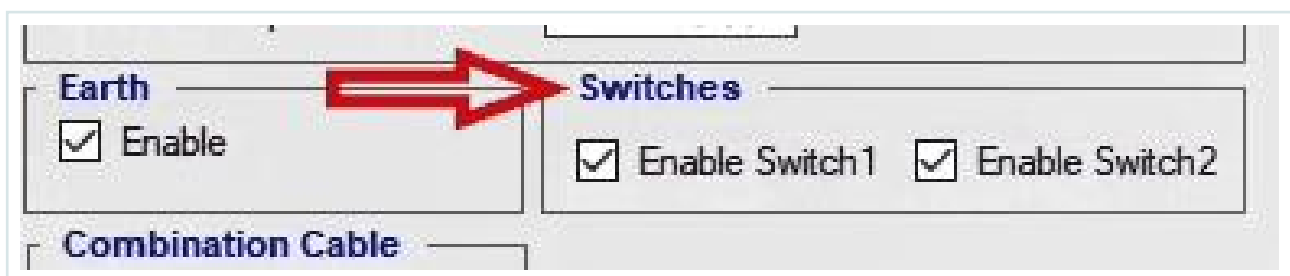


Figure 10

In the "Combination Cable" section, if the "Voltage" option is selected, the outputs of the Neutrik cable will include three current and three voltage phases. But if the "Current" option is selected, the output of the cable will consist of two three-phase current groups which are used for various tests such as differential test.

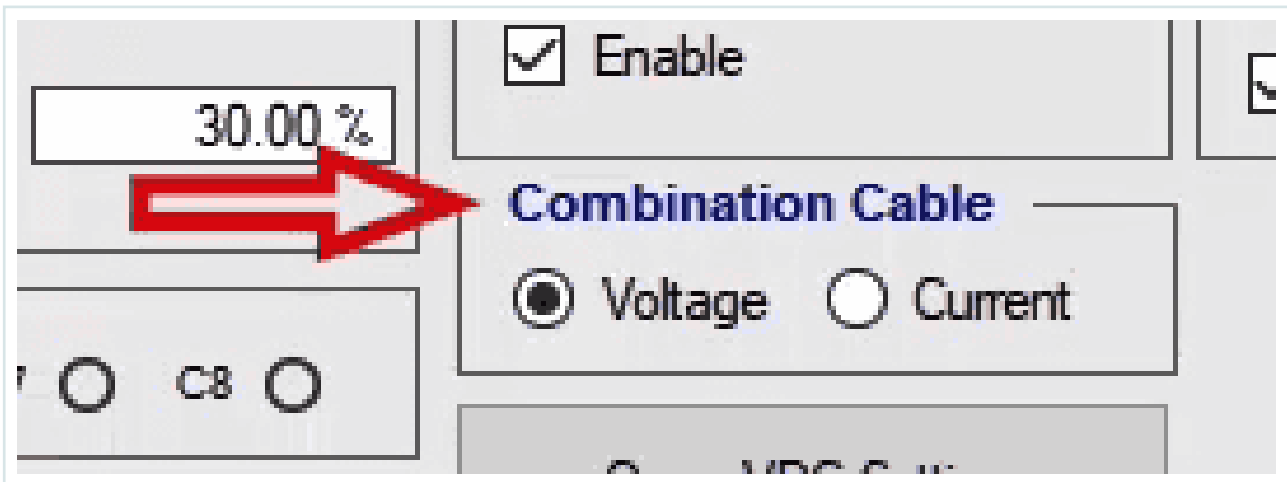


Figure 11

The "Open VDC Setting" option is used to enable the DC output voltage of the device. By clicking on this option, the "VCD Diagrams" page opens. On this page, in the "DC Value" field of the "Apply" section, the output DC value of this port is specified. This value can be set up to a maximum of 212V DC. By clicking on the "Apply" option, the "AUX DC" port of the device will inject the amount that is specified in the "DC Value" field. The "AUX DC" output can be disabled by clicking on the "Disable DC" option. By activating the "Record Period" option in the next field, a duration of time is specified for recording the output signal of this port.

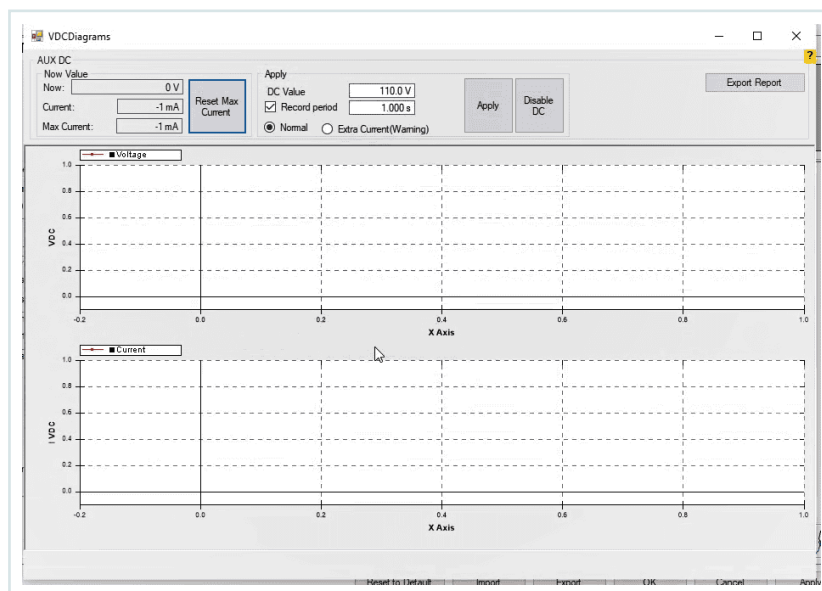


Figure 12

In the "Now Value" section, the amount of current and voltage produced by the "AUX DC" port is displayed. The "Max Current" field shows the maximum current pulled from this port. In the following two diagrams, the instantaneous amounts of voltage and DC current of this port are indicated. It is also possible to save the settings set on this page as a PDF file by clicking on the "Export Report" option. To reset and update the amount of the current displayed in the "Max Current" section, you can

click on the "Reset Max Current" option.

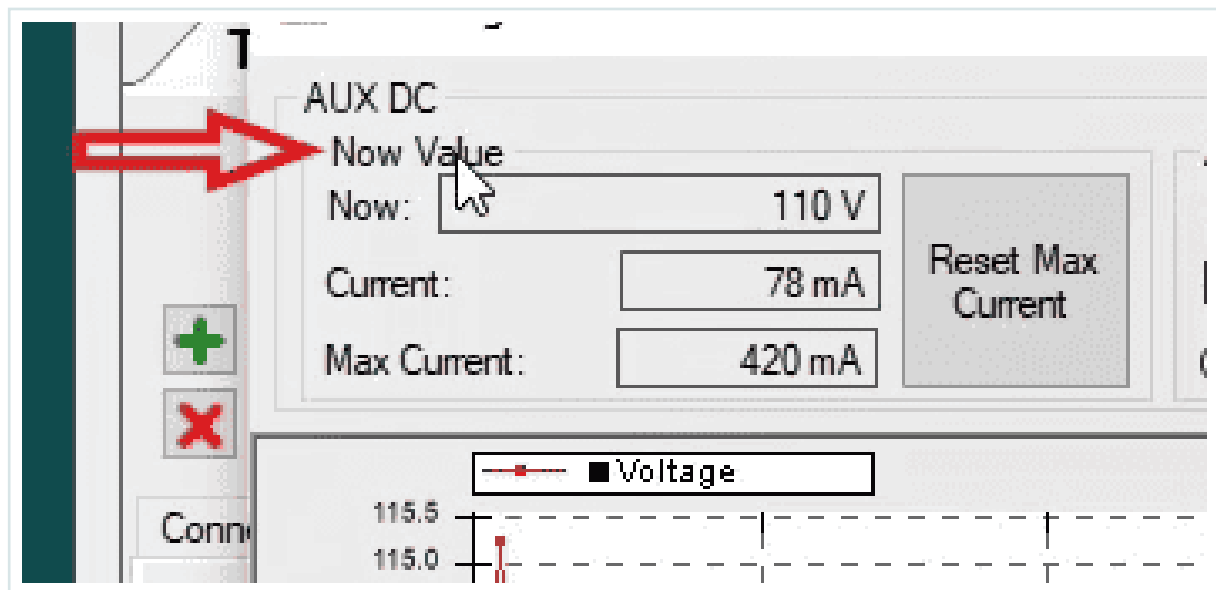


Figure 13

By checking the "Dancing Light" option, the LEDs in front of the device will turn on in a dancing manner. This operation is to test the healthy "LED" binary inputs of the device.



Figure 14

Device_Hardware_Setting