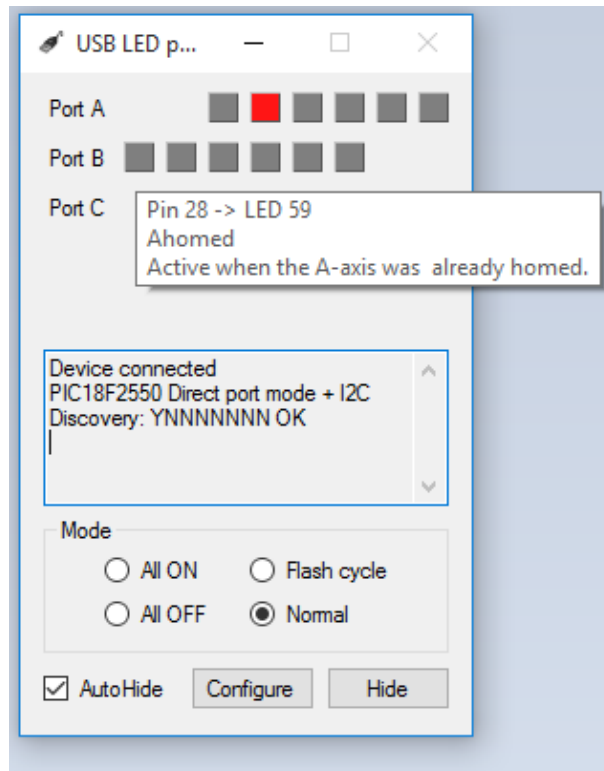


USB LED panel is a plugin for UCCNC for lighting status LEDs on specific hardware on basis of UCCNC's internal LED states.

## 1. Main window



In the main window you can see the state of the LEDs on the plugged (or if not connected then in the configuration window selected) device. Hovering the cursor over a LED a short tooltip can be read about which internal LED is connected to which pin of the controller and what is its short name and function.

Below is a status box. Here you can read about the connected device and its state.

In the Mode group you can turn all LEDs on or off, start a cycle to flash all LEDs, or work normally as configured.

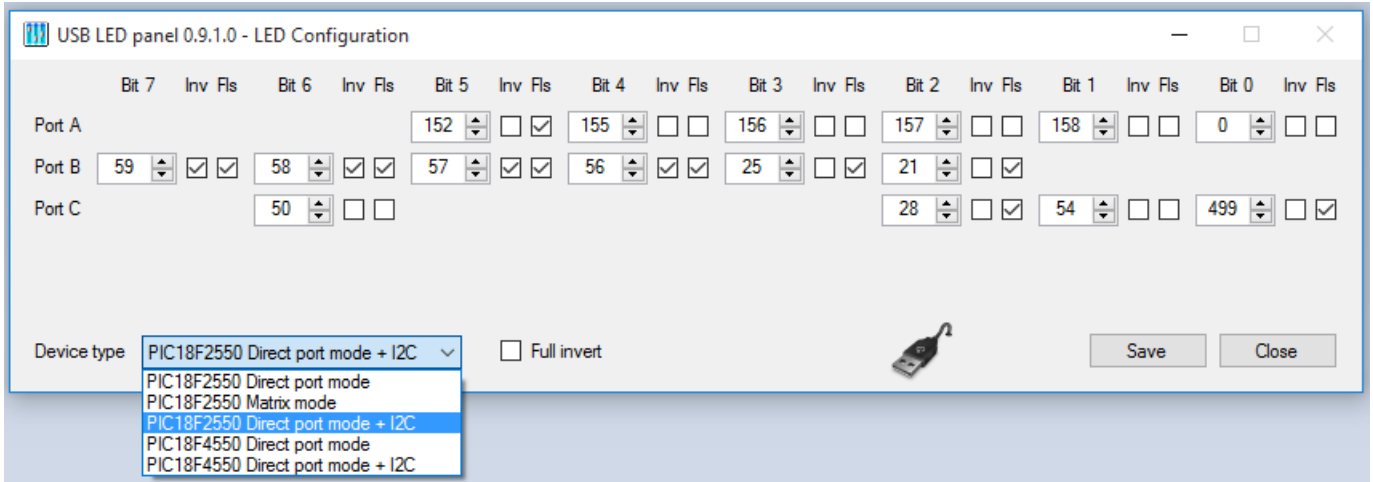
Checking  **AutoHide** the main window will hide automatically after 2 seconds and will show up again if any important event happens. You can show it again by clicking Show in UCCNC Configuration/General settings/Configure plugins window or running a macro with the line:

```
exec.Pluginshowup("UCCNC_USBLED.dll");
```

Press  to open Configuration window or  to hide main window.

Note: main window cannot be closed. You can hide or minimize it, or if no more needed, you can turn it off in UCCNC plugins configuration.

## 2. Configuration



Similar to the main window you can connect port bits to UCCNC internal LEDs. Hovering cursor on LED IDs the same tooltip shows up as in main window. Checking the Inv column the LED state can be inverted. Checking Fls column makes the current LED flash when active.

Double clicking on a LED ID you get a new window showing all the LED definitions. Double clicking a line will copy it's ID to the configuration window's current ID. Clicking on ID/Name/Description will sort the list.

ID	Name	Description
220	Lasemrunning	On when a laser engraving is in progress using the laser data object.
221	OutputPT5PN26	Indicates the actual logic state of port#5 pin#26. (M44 motherboard only.)
222	OutputPT5PN27	Indicates the actual logic state of port#5 pin#27. (M44 motherboard only.)
223	OutputPT5PN28	Indicates the actual logic state of port#5 pin#28. (M44 motherboard only.)
224	OutputPT5PN29	Indicates the actual logic state of port#5 pin#29. (M44 motherboard only.)
225	OutputPT5PN30	Indicates the actual logic state of port#5 pin#30. (M44 motherboard only.)
226	OutputPT5PN31	Indicates the actual logic state of port#5 pin#31. (M44 motherboard only.)
227	OutputPT5PN32	Indicates the actual logic state of port#5 pin#32. (M44 motherboard only.)
228	OutputPT5PN33	Indicates the actual logic state of port#5 pin#33. (M44 motherboard only.)
499	* Pause	* Active when a G-code execution cycle is paused (M0).

The last line on the picture above is marked with asterisk. It means that it is a user defined LED. To define your own LED you have to edit the current UCCNC profile manually and insert lines to the [UCCNC\_USBLED\_config] section like this:

```
LEDDesc499=Pause|Active when a G-code execution cycle is paused (M0).
```