

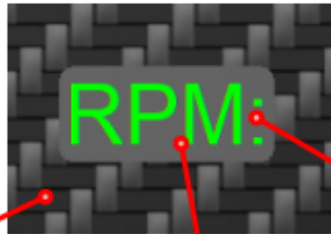
The screenshot shows the PyDash Builder application window. The interface includes a menu bar (File, Theme, Core, CAN, Dash Pages, Help), a 'Dash Page:' dropdown menu set to 'Gauge0', and a toolbar with buttons: 'Add Static Label', 'Add Data Label', 'Add Bullet Ind', 'Add Bar Ind', and 'Delete Element'. The main workspace displays a dashboard with three elements: a green bar indicator at the top, a large green digital display showing 'RPM: 7500', and a smaller green digital display showing 'ECT: 240'. Below these, there is a green 'FAN:' label next to a green bullet indicator. A right-hand panel titled 'Element Properties' shows settings for the selected 'RPM_BAR' element, including position, size, colors, and CAN channel settings.

Annotations:

- Edit the building blocks for a dash configuration**: Points to the 'Dash Page:' dropdown menu.
- Select from the defined pages to edit the individual elements**: Points to the 'Add Static Label', 'Add Data Label', 'Add Bullet Ind', and 'Add Bar Ind' buttons.
- Add new elements to the page for a full display -Or- Delete existing page elements if they're not needed**: Points to the 'Delete Element' button.
- Open a dash configuration or save it for editing later**: Points to the 'File' menu.
- Bar indicators are also linked to a CAN/OBD2 channel and grow/shrink based on the defined limits**: Points to the green bar indicator.
- Click and Drag elements to place them on the dash page**: Points to the 'RPM: 7500' element.
- Or- manually edit their position properties**: Points to the 'Pos - X0' and 'Pos - Y0' fields in the 'Element Properties' panel.
- Click on a dash element to edit their properties after placing them**: Points to the 'RPM' field in the 'CAN channel' dropdown.
- Bullet indicators are also linked to a CAN/OBD2 channel and turn On/Off at set limits**: Points to the 'FAN:' bullet indicator.
- Data labels are linked to a CAN/OBD2 channel**: Points to the 'ECT: 240' element.
- Static labels do not change the displayed value**: Points to the 'FAN:' label.

Reference Name	RPM_BAR
Pos - X0	134
Pos - Y0	86
Bar Width	800
Bar Height	50
Fill Color	FG
Outline Color	FG
Element Order	BG
CAN channel	RPM
Minimum Value	0
Maximum Value	7000
<input checked="" type="checkbox"/> Warn/Danger En	
Danger Lo Lim	-1
Warning Lo Lim	-1
Warning Hi Lim	4500
Danger Lo Lim	6500

Theme information



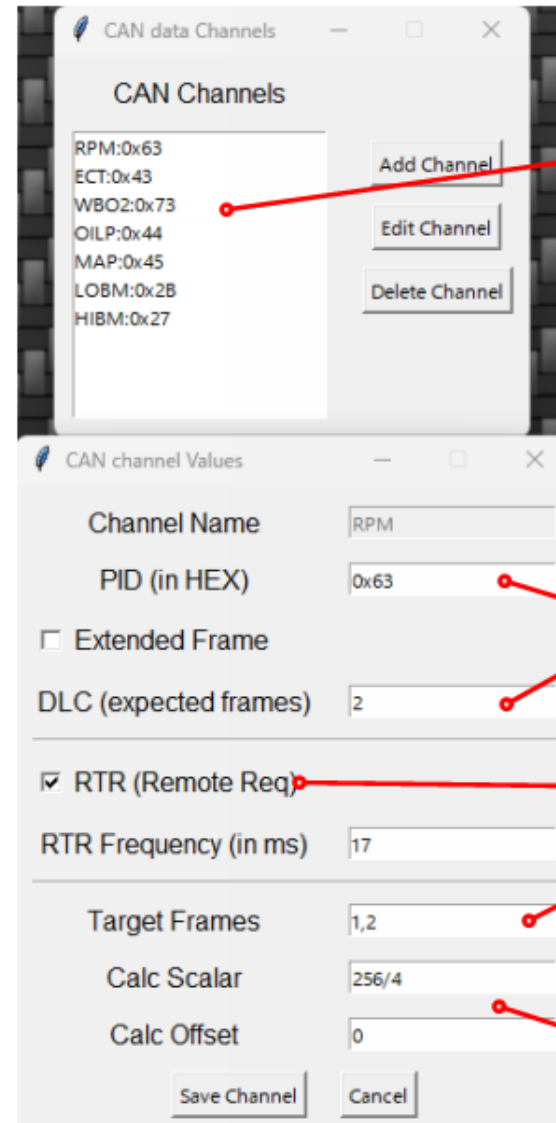
"Images" in the theme can be used for dash page backgrounds

Pick a unique "color" to use for labels and indicators

A "font" connects a defined color to a typeface and size to use in labels



Data Channels



Steps to Creating a new PyDash Configuration:

1. Click “new” under the “file” menu for a fresh configuration
2. Build a “Theme” to use for the various dash elements
 - a. Add enough “colors” to use for fonts in labels and any desired indicators
 - b. Created pre-defined styles with “fonts” to easily set label properties
 - c. Include any “images” for page backgrounds
 - d. Update the “warning limit” colors to match your theme
3. Add at least one page under the “Dash Pages” menu before adding new elements
 - a. Include as many pages as you’d like to scroll between for easy access to information
4. Be sure to define any data channels under the “CAN” menu and “CAN Channels”
 - a. Both CAN and OBD2 protocols are currently supported
 - b. Data channels are used by various dash elements to define where they get their value
 - c. Data channels can be listened to passively or enable “RTR” (remote request) to periodically ask for the value at the listed address
5. Select the page to edit in the “Dash Page” drop-down Box
6. Start adding new elements
 - a. Static Labels
 - i. Never-changing labels. Great for providing context to data labels and bullet indicators.
 - b. Data Labels
 - i. Good ole numbers. Simple, straight-forward, and easy to read. These are labels that
 - c. Bullet Indicators
 - i. Think of these as a digital indication light that turns on and off at set limits. Make them as big or small as you need to catch your attention.
 - d. Bar Indicators
 - i. The dynamic version of a bullet indicator that changes size. Define a minimum and maximum value for the size of the bar. As the data value changes, the bar does too.
7. Build the dash to fit your needs!
 - a. Click on an element to edit its properties or click-and-drag to move it around
 - b. Don’t like a defined color or font style? Update it in the configuration menu and all linked elements will automatically update!
8. When you think you’re done
 - a. You can save for later if you ran out of time
 - b. Make a configuration “output” to upload to a PyDash and see your new dash