DashLogic[™] Configuration Guide

STEP 1

Slide the profile switch all the way over to Config. (closest to USB port)

STEP 2

Open DashLogic configuration software and connect the supplied USB cable to the DashLogic and your computers USB port.



STEP 3

Click "Connect to DashLogic".

S DashLogic	
File Tools Debug	
Not currently connected to the DashLogic device.	
Connect to DashLogic	

STEP 4

Choose the profile that you would like to edit. Then choose which part of the display you would like to edit.

DeshLogic File Tools Debug		
Back	Fordin 1 Presine aller Please select a treatment to elit Hendel-Lija Dispatry (HUD)	Disconnect
	Driver Information Center (DIC) Alarms	
	Alarms Calculation: PIDs	
	Import Data	
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STEP 5

Select the page you would like to edit and choose "Simple Mode". From the drop boxes you can select the PIDs you would like to view, then click "Save". When you are done you can disconnect the DashLogic and plug it into your vehicle.



Advanced Mode

Using Advanced Mode allows you to configure the display exactly like you would like it to appear. You would use the same steps as above, except you would click on Advanced Mode instead of Simple Mode.

🖸 DashLogic		_ D X
File Tools Debug		
	Profile 1 -> HUD -> Page 1	
	This display supports 2 lines of text.	
	Each line supports 16 characters.	
	Knock: {1001} deg A A A A A A A A A A A A A A A A A A A	
	Save Cancel Reset Lookup PID	
	Blocks Free 740/768	
	510CKSTTEE 740/700	

This will be your Advanced Mode screen to edit:

You have the option to change the text in any way you would like as long as it will fit the character description of the display. If you have a two line display like the picture shown above, the line you place the text on will appear on the line it is shown. The text appears how you place it, the number in the curly braces { } is the PID that will be used. You can click the "Lookup PID" button to find all PIDs for your vehicle. The tool will not account for the length of the values you are going to receive from the PID, so make sure you count enough digits for the PID you are using to fit. For example, RPM would need 4 digits and Knock would only need 1 or 2 digits. Once you are finished, click the "save" button and you can go test it out on your vehicle to see if it appears like you intended. You also have the ability

to change your value to show a decimal and hold the number of spaces you want. The reason to hold the spaces is usually for a value that changes from a single digit number to several digits and makes the text appear to shift left and right. To do this we add some extra numbers inside of the curly braces { } that hold our PID number. After the PID number you will add a colon : and then the character you want to pad with (you can use a space, pound sign, period, ect. but must enter something), then the number of pad values you want to reserve, then a decimal, and the number of digits you want after the decimal. For example the expression $\{8: 5.1\}$ would be PID 8 holding a minimum of 5 digits and 1 digit of precision. Remember that the decimal point counts as a space/digit, so reading 125.2 kPa is 5 digits in this case. If you do not care about the padding and only want the decimal precision you could enter the expression like this {8: 0.1} Note: You can only enter numbers from 0-9 for the padding amount and for the precision amount.

Alarms

Alarms lets you set alerts from the data you choose. Enter Alarms from the menu and you will get a screen that is already populated with an RPM alert. First click the box to enable the alarm. Then you can click the boxes to display on the DIC or HUD or both. Clicking the box with "Audible" means it will sound a chime chime when an alert is reached. Checking the "Continuous" box means it will not stop the warning until you are no longer in the alert condition. If you do not select continuous, you can set the alarm duration in seconds that it will show or chime before stopping the notification. The "Alarm Warning Text" is what will show while the alarm is active, make sure you account for the number of characters available on your display.

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File Tools Debug				
		hlogic		
	Editing	alarm 4.		Â
	📝 Alarm Enabled			
	Alarm Display Mask	Alarm Flags		
	HUD HUD	Audible		
	DIC	Continuous		
	Alarm Duration (in seconds): 1	×.		E
	Alarm Beep Type: Beep Type 1 v			-
	Alarm Warning Text:			
	RPM Limit!		<u> </u>	
	Alarm Condition Expression:		Ŧ	
	(pid(10) >= 5500)		*	
			-	
	Save	Cancel		Ŧ
			Blocks Free 740/768	th.

To set an alarm condition, you set the condition inside of parentheses (). First you write "pid" and then enter the PID number in parentheses (). You can click the "Lookup PID" button if you need to find the PID number. The default example in the box shows "RPM greater than or equal to 5500".

To add more conditions, you simply add more conditions and separate them by "and" typed && or you can separate them by "or" typed || (that is a pipe character located on the key with the backslash \). Below is an example of the expression "RPM greater than or equal to 2500 AND Engine Load greater than 50 AND Vehicle Speed greater than or equal to 35". Remember, you can click the "Lookup PID" button to see the available PIDs and their corresponding numbers. You can also add in the "Alarm Warning Text" a PID number to show the live value you are getting. You would just place the PID number in the curly braces { }. For example if you had a knock alert, you could add the knock PID number in the braces { } to see the amount of knock while getting the alert.

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File Tools Debug			
	Dashu	pgic	
	Profile 1 -> Alarm	ıs -> Alarm 1	
	🖉 Alarm Enabled		^
	Alarm Display Mask	larm Flags	
	V HUD	Audible	
	☑ DIC	Continuous	
	Alarm Duration (in seconds): 1 Alarm Beep Type: Beep Type 1		
	Alarm Warning Text:		
	WARNING!!!	×	E
	Alarm Condition Expression:		
	(pid(10) >= 2500) && (pid(1) > 50	0) && (pid(12) >= 35)	
	Save	Cancel	
	Clear	ookup PID	-
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DashLogic™ Analog Inputs Guide

To install analog inputs, simply run the analog output wire from your aftermarket sensor to one of the AD inputs on the DashLogic device. After you have it connected, you need to use the DashLogic Configuration software to create a calculation PID for your sensor. The manufacturer of your sensor will have the formula you need to use to change the raw voltage output to a number you can relate to. If you plug into AD1, the PID number is 10001, AD2 is PID 10002. Once you have created a calculation PID for your sensor, you can add it to the display just like all other PIDs, it will be shown in the list with whatever name entered in the "PID Name" box.

Below are images showing the formulas for several common sensors, adjust the pid(1000x) to the number corresponding to the AD slot you are using.

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File Tools Debug Help		
		shipgic Salarian PIDs -> Calc PID 2
	Editing o	calculation PID 2.
	PID Name:	Units:
	AEM 30-4100	AFR
	Acronym:	Decimal Places (Precision):
	AEM	1
	PID Calculation Expression:	
	((pid(10001) * 2) + 10)	* -
	Save	Cancel
	Clear	Lookup PID
		Blocks Free 744/768

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File Tools Debug Help			
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		shlogic }	
		Sillegic	
	D (1 4 . C)		
	Profile 1 -> Calc	ulation PIDs -> Calc PID 4	
	Editing	calculation PID 4.	
	PID Name:	Units:	
	Innovate WB	AFR	
	Acronym:	Decimal Places (Precision):	
	LC1	1	
	DID Coloulation Emerations		
	PID Calculation Expression: ((pid(10001) * 3.008) + 7.35)	*	
	((pid(20001) 51000) * 7155)		
		T	
	Save	Cancel	
	Clear	Lookup PID	
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		shlogic	
	Profile 1 -> Calc	shlogic	
	Profile 1 -> Calc	ulation PIDs -> Calc PID 0	
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	Profile 1 -> Calc Editing PID Name: NGK Wideband Acronym: NGK PID Calculation Expression:	ulation PIDs -> Calc PID 0 calculation PID 0. Units: AFR Decimal Places (Precision): 1	
	Profile 1 -> Calc Editing PID Name: NGK Wideband Acronym: NGK PID Calculation Expression:	ulation PIDs -> Calc PID 0 calculation PID 0. Units: AFR Decimal Places (Precision):	
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File Tools Debug Help		
	Da	shlogic
	Profile 1 -> Calo	culation PIDs -> Calc PID 3
	Editing	g calculation PID 3.
	PID Name: PLX SM-WB	Units: AFR
	Acronym:	Decimal Places (Precision):
	PLX	1
	PID Calculation Expression: ((pid(10001) * 2) + 10)	*
		*
	Save	Cancel
	Clear	Lookup PID
		Blocks Free 712/768
S DashLogic	and the state of the later	
File Tools Debug Help		
		shlogic
	Profile 1 -> Cale	culation PIDs -> Calc PID 5
	Editing	g calculation PID 5.
	PID Name:	Units:
	PLX Fluid Pressure AD-2	PSI
	Acronym: FP	Decimal Places (Precision):
	PID Calculation Expression:	
	(pid(10002) * 40)	A
		*
	Save	Cancel
	Save	Cancel Lookup PID