

Revision	
Date	

Channels configuration overview

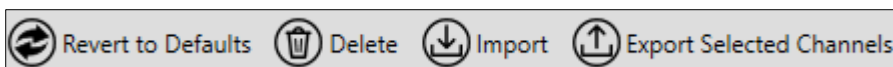
The **Channels** page displays all the channels created or used in Toolset. It enables you to customise the display and alert settings for each channel display for efficient monitoring. For example, you can convert channels displayed in live data between units using the **Channels** page.

Channel Name	Channel ID	Channel Description	Channel Unit
Amps	0X81_FAULT_INFO Timeout	3.3V Supply Voltage	5V EXTPSU5
Amps Comp	0x81_CANopenErrorCode	3rd Gear	5V EXTPSU6
Amps Peak	0x81_CANopenErrorReg	3V3 INTPSU	5V EXTPSU7
Control	0x81_EM_FaultCode	3V3 PWR_INTPSU	5V EXTPSU8
Error	0X81_Sevcon_Fault_Data	3V3_LAM INTPSU	5V EXTPSU9
PWO Duty	1.5V Supply Voltage	4	5V EXTPSU1
PWO Freq	1Hz Overruns	4 Bit Channel	5V PSU1
Retry State	1Hz Utilization	4 Bit Channel Ex1	5V PSU2
Status	1kHz Overruns	4 Bit Channel Ex1 Bi	5V PSU3
Trip Retries	1kHz Utilization	4 Bit Channel Ex1 Bit-Fields	5V PSU4
Trip State	1st Gear	4 Bit Channel Ex1 Bit-fields	5V PSU5
Volts	1stGear_Status	4 Bit Channel Ex2 Bit-fields	5V PSU6
_Parking Brake Status Event	1V1 INTPSU	4 it	5V PSU7
+ Telemetry_V1.8.0	1V5 INTPSU	4th Gear	5V PSU8
00 Switch States Info	1V37 INTPSU	5Hz Flasher	5V PSU9
0_DKR Config Version	02 Logging when Moving...	5Hz Overruns	5V PSU10
0x3C Ano_01_thru_04 Tim...	2GK Sleep Request Delay	5Hz Utilization	5V Supply V
0x3D Ano_05_thru_08 Tim...	2Hz Overruns	5th Gear	5V0 PWR_IN
0x3E Ano_09_thru_12 Time...	2Hz Utilization	5V EXTPSU1	5V0_PU INTI
0x3F Ano_13_thru_16 Time...	2nd Gear	5V EXTPSU2	5V1 INTPSU
0x40 Ano_17_thru_20 Tim...	2V5 INTPSU	5V EXTPSU3	5V12 EXTPS
0x41 Ano_21_thru_24 Tim...	2V5_ETH INTPSU	5V EXTPSU4	5V12 EXTPS

Name	Amps Peak
Quantity	current
Color	
Autoscale	<input checked="" type="checkbox"/>
Display Maximum	1000
Display Minimum	0
Alarm Enabled	<input checked="" type="checkbox"/>
Alarm Maximum	1000
Alarm Minimum	0
Decimal Places	2
Unit	amps

Toolbar options

- **Revert to Defaults:** Resets all settings to their default values.
- **Delete:** Removes the selected channel.
- **Import/Export Selected Channels:** Allows you to import or export configurations for specific channels in .tcl format (Toolset Channel List).



Channel list

The list on the left displays available channels. Whenever a new channel is created or imported, they are listed in this section. You can perform a magic search (ctrl+shift+8) to find any specific channels, as shown in the example below:



AC_a_lambda	inj_m_lambda2
Alarm_Lambda_Bank_Err	inj_m_lambda3
AVLDYNO_LambdaAbs	inj_m_lambda4
AVLDYNO_LambdaActivati...	IPS15 Lambda Amps
BrLambdaLActive	IPS15 Lambda Amps Comp
BrLambdaLnError	IPS15 Lambda Amps Peak
BrLambdaRActive	IPS15 Lambda Control
BrLambdaRInError	IPS15 Lambda Error
closed_loop_lambda	IPS15 Lambda Retry State
dis_lambda_tmr	IPS15 Lambda Status
ecu_lambda	IPS15 Lambda Trip Retries
ECU_lambda_target_base	IPS15 Lambda Trip State
ecu_lambda2	IPS15 Lambda Volts
FIA_rLambda1.	IPS19 Lambdas Amps
FIA_rLambda1.lbd	IPS19 Lambdas Control
FIA_rLambda2.	IPS19 Lambdas Error
FIA_rLambda2.lbd	IPS19 Lambdas Trip
I_Lambda_PCM	Lam_Lambda 1_ECU
inj_m_lambda	Lambda_1_Neg_Trim_Error
inj_m_lambda_base	Lambda_1_Pos_Trim_Error
inj_m_lambda_base2	Lambda_2_Neg_Trim_Error
inj_m_lambda1	Lambda_2_Pos_Trim_Error
<	
LAMBDA	

In this example, any channel that contains 'LAMBDA' in its name is shown, making it easier to search large sets of data.

Select a channel to display its configuration options on the right.






Channel configuration options

For the selected channel (for example, Amps Peak):

- **Name:** Displays the name of the channel.
- **Quantity:** Defines the measured type (for example, Current).
- **Color:** Sets the display colour for the channel (for example, Blue).
- **Autoscale:** Automatically scales the display for data values.
- **Display Maximum/Minimum:** Sets upper and lower display limits.
- **Alarm Enabled:** Toggles alarm notifications for the channel.
- **Alarm Maximum/Minimum:** Sets alarm threshold values.
- **Decimal Places:** Defines the number of decimal places for displayed values.
- **Unit:** Specifies the unit of measurement (for example, Amps).

Name	Amps Peak
Quantity	current
Color	
Autoscale	<input checked="" type="checkbox"/>
Display Maximum	1000
Display Minimum	0
Alarm Enabled	<input checked="" type="checkbox"/>
Alarm Maximum	1000
Alarm Minimum	0
Decimal Places	2
Unit	amps 