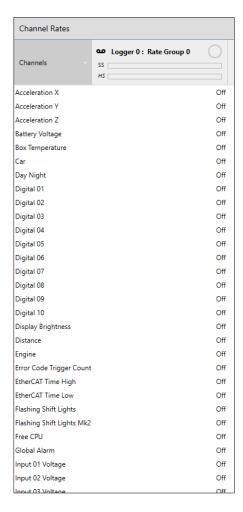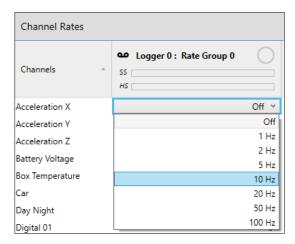## Channel rates overview

The **Logging Rate** node is used to define the frequency at which channels are logged. Before you set channel rates, a logging table must be defined (see **Setups - Logging**). You can access the **Channel Rates** node from the home page, the quick tabs on the left of the screen, and the **Logging** node.

## Get started with logging rates

When you first open the **Channel Rates** node, a list of all the default/native channels is displayed in the default logging table. These channels are all set to 'Off' by default. The name of the logging table is configured in the **Logging** node.

Click 'Off' for any entry, and then select one of the available rates from the dropdown menu to set the channel rate.
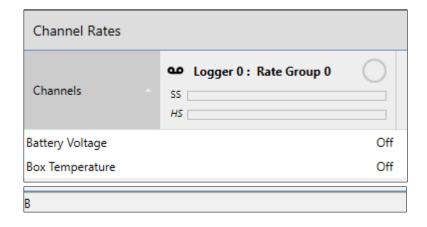


## Search channels

When you work with large setups with many channels, you can search the channels through the search bar at the bottom of the screen.
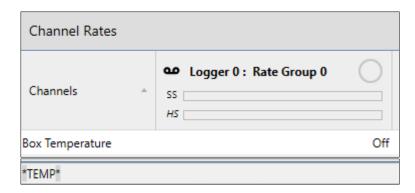


## Standard Search

Type in the node to filter the channel. By typing the channel name, the exact channel can be filtered. This search method must match the channel name exactly to show the result.
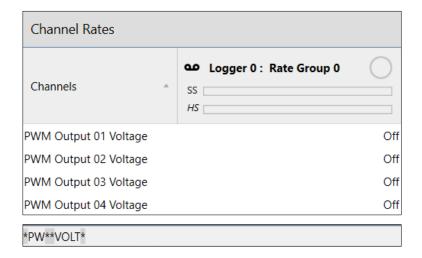
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## Magic search

If the exact name of the channel is not known, you can use the magic search function. Magic search is a 'broad' search tool, which can display results that contain any string. Press **CTRL + Shift + 8** simultaneously. A highlighted star indicates that the magic search is active. Type a specific word or phrase, and then press **CTRL + Shift + 8** again to close the search. An example is shown below.
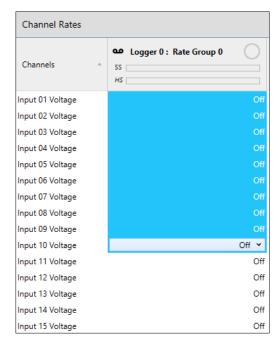


You can also combine multiple terms to search for multiple parts of a channel name in a single search.

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## Set multiple channel rates

To define the same rate for multiple channels, select the first channel in the list and shift-click the last channel in the list to highlight all channels in between. Select a logging rate for one of the channels highlighted to apply it to all selected channels.



## Channel origins

Like the **Resources** menu, the channel rates list is an easy method to locate and find the origin of each channel. Double-click on a channel name to automatically direct you to the origin of the channel, where you can make edits.

## Channel rates from non-native sources

You can configure the logging rate for channels originating from Alarms, Maths channels, Logic channels, and CAN channels on the **Channel Rates** node.

# High speed logging

On devices such as the Antares, Badenia and Centaurus with high-speed logging capability, the rates can be set for High Speed inputs. High speed rates are marked 'HS'.

| Channel Rates | |
|---|---|
| **Channels** ▲ | 📼 **Logger 0 : Rate Group 0** ⭕ |
| | SS [                    ] |
| | HS [                    ] |

| | |
|---|---|
| Input 01 Voltage | Off ⌄ |
| Input 02 Voltage | Off |
| Input 03 Voltage | 1 Hz |
| Input 04 Voltage | 2 Hz |
| | 5 Hz |
| Input 05 Voltage | 10 Hz |
| Input 06 Voltage | 20 Hz |
| Input 07 Voltage | 50 Hz |
| | 100 Hz |
| Input 08 Voltage | 200 Hz |
| Input 09 Voltage | 500 Hz |
| Input 10 Voltage | 1 kHz |
| Input 11 Voltage | *HS* 2 kHz |
| Input 12 Voltage | *HS* 5 kHz |
| Input 13 Voltage | *HS* 10 kHz |
| | *HS* 20 kHz |
| Input 14 Voltage | Off |

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