

Document Number		RG_TN-0021	
Title		MoTeC Dash GPS CAN Receive	
Revision	Date	Prepared By	Change History
0.1	08/04/23	Kyle McClelland	Initial Release

Introduction

When using a MoTeC Dash, most of the time, GPS is brought through using the serial input on the device. Some external devices that receive GPS data can output the associated CAN data to be received in the dash communications. Although, the dash will be able to understand the GPS data and log the data without error, the lap timing will not function properly. The dash will need to have a 'Custom' CAN offset in place to understand the GPS data to use it for the Start/Stop condition for a given venue.

Solution

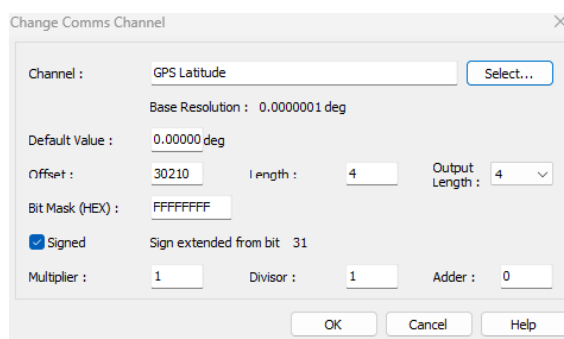
The two channels being received through CAN as the GPS channels will need the following offsets:

Latitude Offset = 30210
Longitude Offset = 30224

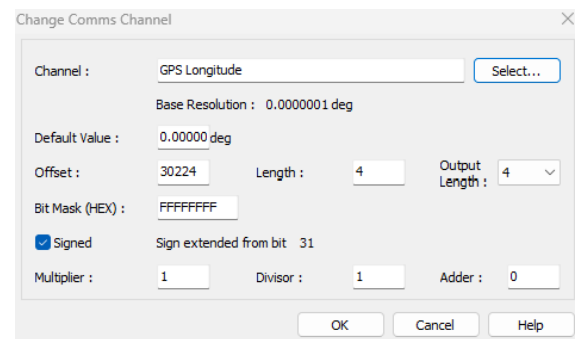
Open the users Dash configuration and navigate to 'Connections > Communications > "Selected CAN X" > "Users CAN Template for GPS Receive" > Edit > Received Channels > "Select Latitude/Longitude" > Change'

Enter in the 'Custom Offset' for the Latitude and Longitude as shown below. Please, also reference the codes listed above in the following section.

Latitude:



Longitude:



Once the offsets are entered, the configuration can be sent to the dash. The lap timing should work the same as if the GPS was using the standard serial receive.

If you have any further issues/questions with the setup, please reach out to MoTeC USA at support@motec.com for further assistance