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GamesOnTrack® announces Arduino support for GT-Command and for freely driving cars with radio control

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GamesOnTrack A/S introduces GT-Command with Arduino integration for freely moving vehicles using our GT-Position system. Today, GT-Command operates any model trains in any size and the entire Faller Digital Car system. Now we introduce the use of our indoor GPS enabling cars to operate automatically and freely without any wire or track for the turning operation. The controller of the car is an Arduino Micro which is connected to GT-Command through our GT-Xcontrol. GT-Command is expanded with new macros in its famous automation system, which can drive the car autonomously with different methods such as “Drive to target” or Drive Follow Line”.



Initially, the Arduino model is meant for cars and trucks in size O/1/G. The principle of an autonomously driven car operating in a free field is useful in many cases. If compared to the Faller Digital Car System, the car is first of all free of wiring, but at the same time it benefits from all the regulation and controls when driving and following a virtual line on

the screen which can be associated with a road. The free driving car will then obey the rules of the virtual signals, the signs, the stop signs, the sections and the distance control as well. The various turn methods, such as front wheel, 4-wheel, differential drive, are all enabled by means of drivers in the associated Arduino files.

The solution can be applied for driving in a free field with a harvester, other working machines or robots traversing a field as well. In our model railway world you can decide yourself how much you want to drive manually and how much you want the extra traffic or operations to be automatically driven. You can mix manual and automatic driving, adjust, and then again let everything run automatically. For such operations, the GT-Command software is enhanced with true 3D tracking and control similar to our GT-Drone operations.

The Arduino solution for freely operating cars is available as of today for model makers and developers.