

# SSD Slot Car ID Programmer

## Manual

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## Overview

The SSD Slot Car ID Programmer is a device that is used to program a Scalextric Sports Digital (SSD) Car with a specific car ID.

This manual is valid for Hardware version 1.3 of the Car ID Programmer.

## Changelog

Rev.2

- Updates in the Serial mode section

Rev.1

- First version of manual. Valid for SSD Slot Car ID Programmer ver. 1.3

## Input

The Programmer have two alternative ways to be controlled.

A **button** for manual mode, and a **serial interface** (rs232 TTL) for externally triggered Car ID Programming.

### *Mode selection*

Holding down the button while powering on the SSD Slot Car ID Programmer, will toggle the programmer between manual mode and serial mode. The selected mode is persistent over powercycles.

In **Manual mode** the button is used to Select and Start programming of the slot car.

In **Serial mode**, the button is not used. Instead the programming is triggered by a serial host that sends a Car ID to the programmer.

### Manual mode

One press of the button will make the programmer enter the Car ID selection mode. The LED will blink rapid in front of one of the Car IDs on the Programmer.

The first button press will select the last used car ID. Consecutive presses will increase the car ID by 1,

**ID 1 → ID 2 → ID 3 → ID 4 → ID 5 → ID 6 → ID 1 → etc.**

When the right car ID is selected, wait for about 1 second. Then the programmer will enter programming mode. The LED will blink slow.

The programmer is now ready to program the car. Put the slot car on the rails and press the button. The selected Car ID will be programmed into the slot car, and the LED will be constantly on.

## Serial mode

Serial mode is used to manage the Car ID Programming from an external device such as a computer running a Terminal application or a Slot Car Race Management System (RMS) that have support for the SSD Slot Car ID Programmer from foogadgets.

In serial mode, all LEDs will blink 7 times at power on. After that, no LED is lit until first car ID has been programmed.

### The serial protocol

The serial communication settings are 8N1, 19200.

Sending the character "3" will program the car with Car ID 3.

Once the programming is done, the SSD Slot Car ID Programmer will echo back the selected Car ID number to the host.

Valid Car IDs are 1-6.

## Specification

Power: 8-16VDC, 2.1mm DC Plug, Positive center  
Input: Button and Serial port (RS232 TTL)  
Output: Scalextric Sports Digital protocol