
Sidings Media Railway Controller

SMRC Team

Sep 09, 2021

BOARDS

1	Repositories	3
2	Licence	5
2.1	Firmware	5
2.2	Hardware	5
2.3	Desktop Client	5
2.4	Logos	6

Sidings Media Railway Controller aims to provide you a quick and easy way of controlling your model railway from your computer without all of the complications of DCC.

REPOSITORIES

This project is split into multiple repositories. Each repo can be found in the Sidings Media organization and are prefixed with SMRC. There are repos for firmware, hardware and various clients. An extensive list can be found below. All documentation for the project can be found in this repo under the docs directory.

Repo URL	Description	Maintained
https://github.com/SidingsMedia/SMRC-Desktop-Client	The cross platform desktop client	Yes
https://github.com/SidingsMedia/SMRC-hardware	All board designs and schematics	Yes
https://github.com/SidingsMedia/SMRC-firmware	All firmware for the boards	Yes
https://github.com/SidingsMedia/SMRC-logos	The logos for the project	Yes
https://github.com/SidingsMedia/SMRC-bootloader	The bootloaders for all official SMRC boards	Yes
https://github.com/SidingsMedia/SMRC-template	The template for all SMRC repos	Yes

LICENCE

All official SMRC projects (i.e all in the table above), use the **REUSE** standard in order to communicate the correct licence for the file. For those unfamiliar with the standard the licence for each file can be found in one of three places. The licence will either be in a comment block at the top of the file, in a `.license` file with the same name as the file, or in the `dep5` file located in the `.reuse` directory. If you are unsure of the licencing terms please email contact@sidingsmedia.com.

2.1 Firmware

2.1.1 Repository

The repository for the firmware can be located at <https://github.com/SidingsMedia/SMRC-firmware>

2.2 Hardware

2.2.1 Repository

The repository for the hardware can be located at <https://github.com/SidingsMedia/SMRC-hardware>

2.3 Desktop Client

2.3.1 Repository

The repository for the desktop client can be located at <https://github.com/SidingsMedia/SMRC-Desktop-Client>

2.3.2 Initial Requirements

These are the requirements that the initial version must meet before being released. This is not an extensive list of all future features and more will be added with later releases. - Can update the firmware of boards over USB - Can communicate with main board over Wi-Fi - Can upload new devices to main board - Can assign addresses to boards over USB - User can control speed of trains via slider - User can control relay channels

2.4 Logos

2.4.1 Repository

The repository for the logos can be located at <https://github.com/SidingsMedia/SMRC-logos>