

# RAIL DEPARTURE BOARD

## USER MANUAL

Version 2.0: June 2025

### Introduction

The Rail Departure Board displays departures from a rail station selectable from a list of 24 stations.

The display is designed to look like a typical station departure board.

The device uses WiFi to access the British Rail real-time data feed and can display up to 15 departures. The actual number of departures at any one time will be determined by how 'busy' the station is at the time. The current time is also displayed.

### Instructions for use

- 1) Before supplying power ensure that the SD card supplied is fully inserted into the SD card holder.
- 2) Connect the display to a USB adapter. The device will connect to your WiFi router and after a short delay will display the list of stations that can be selected.
- 3) To select a station to display *short-click* the yellow button to scroll down the list then *long-click* the button to select the station highlighted and enter the main departure display.
- 4) To choose another station *long-click* the button to leave the departure display and display the list of stations then repeat 3).

### Problem Solving

- 1) **Display does not connect after 30 seconds:** Press the button on the right-hand side of the display to reset the device and re-start the connection.
- 2) If this fails then it could be a problem with the WiFi details. To check, power-off the device and remove the SD card. On a PC using a simple text editor like MS Notepad open the "WIFI.txt" file on the SD and check that the network name (SSID) and password are correct.  
To change the network name change the text between the <ssid> and </ssid> markers. Do not leave spaces before or after the text.  
To change the password change the text between the <pw> and </pw> markers. Do not leave spaces before or after the text.  
Then save the file and re-insert the SD card in to the display and power-up.
- 3) **No departures displayed for the station selected or departures are for the wrong station:** This can be due to an incorrect or invalid station code (CRS) being used. It can also be that there are no departures for the next 2 hours.
- 4) To check this remove the SD card and on your PC (see 2)) check the details in the "myStations.txt" file and make the necessary changes.  
To change the station name change the text between the <name> and </name> markers. Do not leave spaces before or after the text.  
To change a station CRS code change the text between the <crs> and </crs> markers. Must be upper case and three characters. Do not leave spaces before or after the text.  
CRS codes can be obtained from: <https://www.nationalrail.co.uk/live-trains>. This can also be used to check the departures for your station. Make sure that there are 24 stations in the list.  
Save the changes and re-inset the SD card into the display and then power-up.

### Changing WiFi details and the List of Stations.

- 1) To change Wifi details see Problem Solving: section 2)
- 2) To change the list of Stations see Problem Solving: section 4)