

Tiny Departures Board Setup Guide

Follow the steps below to setup your Tiny Departures Board for the first time. **Always check the DuPont connectors are attached to the correct pins before powering the board.**

1: Attach the power cord to the USB socket and start up the board by plugging in a good quality USB power supply, capable of providing at least 500mA.

The following screen will appear on the board:

2: The board creates a temporary WiFi network called “Departures Board” for setup. Using a smartphone, tablet or laptop, connect to the “Departures Board” network. The WiFiManager screen may appear automatically (on some phones & tablets), if not, open your web browser and go to <http://192.168.4.1> to access the WiFiManager. Tap **Configure WiFi**.

3: A list of the WiFi networks in range will be shown. Select the WiFi network that you want the board to use and then enter your WiFi password (tap *Show Password* to make this easier to enter).

Tap **Save** and the board will automatically restart.

4: After restarting, the board will attempt to connect to your WiFi network. If it fails to connect (usually because the WiFi password is incorrect), the board will revert to step 1.

Saving Credentials

Trying to connect ESP to network.
If it fails reconnect to AP to try again

Once connected, the board will check for any firmware updates. If you see the following screen, wait for the update to complete and then continue with step 5.

5: The next step is to enter your data access api keys (see *Data Access Keys* below). All of the keys are optional, but only bus mode will be available without a National Rail data access token.

Open the URL shown on the board’s screen to enter your API keys when you are ready.

6: You are now ready to select a station or bus stop to display. Open the URL shown on the screen to access the configuration menu. Alternatively, you can also type <http://tinydeparturesboard.local> to access the board. See the next page for more details on the various configuration options.

If the board is ever unable to connect to your home WiFi network, the system will revert to step 1 and broadcast its own “Departures Board” network again to enable you to reconfigure the WiFi (all the other configuration settings will be retained).

DATA ACCESS KEYS

To enable the board to access realtime data from National Rail and OpenWeather, you will need to register for data access api keys (free of charge).

The board will only operate in Bus mode without a National Rail api token.

Follow the guide below to register and obtain your keys:

<https://store.gadec.co.uk/api-keys>

The Tiny Departures Board has two modes of operation: *UK National Rail* and *UK Bus Network*. To configure the board, use your web browser to open <http://tinydeparturesboard.local> or use the ip address of the board shown on the screen during start-up.

Rail Departures Board

Board Mode

Rail

Bus

Station

Type the station name

Only show services calling at

Station name or leave blank for all servi

Clear

Only show these platforms

Enter comma separated platform numbers or blan

Brightness

Lowering the brightness will help prevent burn-in.

Options

☐ Include bus replacement services

☒ Include current weather at location

☐ Increase API refresh rate

☐ Suppress calling at / information messages

☐ Flip the display 180°

☐ Set custom hostname for this board

☐ Custom (non-UK) time zone (only for clock display)

☒ Enable automatic firmware updates at startup

Save Settings

Firmware: B1.0-W1.0

Build:2602100004

powered by

National Rail Enquiries

© 2026 Gadec Software. Licensed Version.

Bus Departures Board

Board Mode

Rail

Bus

Bus Stop ATCO code

Enter the ATCO code and press verify

Verify

Recently verified ATCO codes

Select a recent ATCO code..

Clear History

Find bus stop ATCO codes at bustimes.org. Tap here for full instructions.

Brightness

Lowering the brightness will help prevent burn-in.

Options

☒ Include current weather at location

☐ Flip the display 180°

☐ Set custom hostname for this board

☐ Custom (non-UK) time zone (only for clock display)

☒ Enable automatic firmware updates at startup

Save Settings

Firmware: B1.0-W1.0

Build:2602100004

Powered by

bustimes.org

© 2026 Gadec Software. Licensed Version.

Rail Departures Board

Start typing the name of the station you want to display and a list of matches will be shown. Optionally, you can choose to only show services which call at a particular location and/or which leave from selected platforms.

General Options

Some options, such as screen brightness & orientation, weather etc. are always available. Further options to manage the board can be found in the dropdown menu (top right).

Always use the **Save Settings** button to commit any changes and update the board's display.

Bus Departures Board

Every UK bus stop has a unique ATCO code number. To find the ATCO code of the stop you want to monitor, go to <https://bustimes.org/search> and type a location in the search box (see below). Select the location from the list of places shown and then select the particular stop you want from the list. The ATCO code is shown on the stop information page. After entering the code in the Departures Board setup screen, tap the **Verify** button and the location will be shown confirming your selection. You must use the Verify button before you can save changes. Up to ten of the most recently verified ATCO codes are saved and can be selected from a dropdown list for quick access.

bustimes.org

Search Map

Home >

Search

pickering

Search

3 places

Pickering Nook

Pickering, N Yorks

Aislaby, Pick

bustimes.org

Search Map

Home > Yorkshire > North Yorkshire > Ryedale >

Pickering, N Yorks

Stops in Pickering Map

County Inf School (E-bound) →

171

County Junior School (E-bound) →

128 170 173

County Junior School (NW-bound) ↖

128

Eastcroft (NW-bound) ↖

X3 X28 126 128 171

Eastfield Road (E-bound) →

bustimes.org

Search Map

Home > Yorkshire > North Yorkshire > Ryedale > Pickering

Pickering Eastcroft (NW-bound)

On Hawthorn Lane, near Outgans Road

Buses point north-west ↖

Map · Street View · 32010038 3200YNF10038

04/01/2026

13:19

To

840 Malton

2780 - BF63 HCZ

Sched-uled

13:21

Ex-pected

13:18