How to personalise this signal box

1. Making unique copies

As the creator of this content I give permission for you to duplicate this model using your own kuid so as to have a number of unique signal boxes on your route. Please add a note in the description in the config files of your copies acknowledging that each is a copy of my original model, give my original kuid, and confirm that your new copy is freeware only.

First, download whichever signal box(es) you wish to use. Go to Content Manager, select my signal box, click on 'Content' on the top menu bar and select 'Clone'. The clone will appear with your kuid and its status in Content Manager set as 'Open for Edit'. It will have the same name as my original model.

Second, in Content Manager, with your clone copy opened for editing select (right-click) 'Open' and 'Edit Config File Text'. Change the name to whichever you want. Add a note in the description stating that this is a copy of the original model made by ING4Trainz and cite its original kuid. You should also state that this clone is made with my permission and is freeware.

Third, edit the config.txt file. You can change the colour and position of the signal levers to conform with the pointwork and signals controlled by your signal box. Also, you will find entries for the instruments. You can change these as you wish – I have made a number of suitable instruments and you can add your own or those of other content creators. There are also attachment points for the signalman figure, a single-line token instrument, a clock, a level crossing gates wheel, an old chair, and the signal box cat (see below).

Fourth, save and close the config.txt file and in Content Manager right-click on your new signal box and choose 'Submit Edits'. Now your new signal box is ready to be placed in position in your route.

Please note: I do **not** give permission to reskin my model.

2. Renameable

After placing the signal box in Surveyor click the '?' tab on the box and give it the name you wish. This will appear on the box name board(s) either on the front or side depending on which railway company built it.

3. Signal box diagram

You can replace the signal box diagram by creating your own. It should be 256x64 pixels and called 'diagram.tga'. Open the model in Content Manager and swap the existing tga with your own.

Customisation Options

Customisations require you to make simple edits of the config.txt file and install any dependencies not included in the signal box cdp.

You can change the dependencies for each attachment point either using dependencies that I have created or any other suitable model. You can delete attachment points in the config.txt to reduce the number and type of dependencies. For example, if you don't want to include a single-line token instrument then just delete that entry in the config.

Similarly, if you wish, you can reduce the number of lever or instrument attachment points by deleting entries in the config. It's also possible to add additional attachment points using a utility such as *Attachment Maker* by PEVSoft although you need to be careful not to make the signal box too crowded.

4. Signal levers

The signal box includes attachment points for signal levers. The number of attachment points depends on the size of the signal box; signal lever frames were usually constructed in multiples of

four levers. Smaller boxes will have fewer attachment points for signal levers, larger boxes will have more. Again, you don't have to use all the lever attachment points, just delete some entries from the config.

You will find these attachment points listed in the config file, along with other attachment points. Each of the signal lever attachment points has an entry for a specific lever. Just change the kuid of the lever listed to the one you wish to use, either in normal or reversed position.

Signal levers are colour coded: black for points; blue for facing points; yellow for distant signals; red for stop (home) signals and ground signals; brown for level crossings; white for unused levers; black and white chevrons pointing up for placing detonators on the Up line; black and white chevrons pointing down for placing detonators on the Down line.

I have modelled individual levers with part of the footplate attached. They are available in the normal position (off, at the back of the frame), and reversed (on, pulled forward).

Signal lever red normal	kuid:169585:40650
Signal lever black normal	kuid:169585:40651
Signal lever blue normal	kuid:169585:40652
Signal lever yellow normal	kuid:169585:40653
Signal lever brown normal	kuid:169585:40654
Signal lever white normal	kuid:169585:40655
Signal lever chevrons up normal	kuid:169585:40656
Signal lever chevrons down normal	kuid:169585:40657
Signal lever red reversed	kuid:169585:40658
Signal lever black reversed	kuid:169585:40659
Signal lever blue reversed	kuid:169585:40660
Signal lever yellow reversed	kuid:169585:40661
Signal lever brown reversed	kuid:169585:40662
Signal lever white reversed	kuid:169585:40663
Signal lever chevrons up reversed	kuid:169585:40664
Signal lever chevrons down reversed	kuid:169585:40665

5. Instrument shelf

The signal box has attachment points for instruments. The number of attachment points depends on the size of the signal box.

You will find these attachment points listed in the config file, along with other attachment points. Each of the instrument attachment points has an entry for a specific instrument. Just change the kuid of the instrument listed to the one you wish to use. These are the instruments I have modelled. You can also make your own or use those made by other content creators.

kuid:169585:40634 – generic block instrument, based on GWR type

kuid:169585:40635 – Tyers block instrument

kuid:169585:40636 – signal repeater, home

kuid:169585:40637 – signal repeater, distant 1

kuid:169585:40638 – signal repeater, distant 2

kuid:169585:40639 – track circuit indicator, clear

kuid:169585:40640 – track circuit indicator, occupied

kuid:169585:40641 – lamp indicator 1

kuid:169585:40642 – lamp indicator 2

kuid:169585:40643 – block bell, cow bell type

kuid:169585:40644 – block bell, shallow bell type

kuid:169585:40645 – Spagnoletti block instrument, double track

kuid:169585:40646 – Spagnoletti bloc instrument, Up track

kuid:169585:40647 – Spagnoletti bloc instrument, Down track

kuid:169585:40648 - telephone

6. Signalman

The default figure is my basic signalman wearing overalls and based on an Auran figure, kuid:169585:40607. He can be replaced by any other suitable figure, just change the kuid referred to in the config entry.

I call my default signalman Harold in tribute to Harold Gasson, author of four brilliant books about his life as as GWR fireman in the 1940s and his subsequent career as a signalman.

7. Single line token instrument

kuid:169585:40615, on cupboard; kuid:169585:40617, on pedestal

These use a specific attachment point. I have modelled two of the Webb & Thompson instruments for single line staff tokens: one on a low cupboard and one on a pedestal. You can choose which one to use by editing the relevant entry in the config file.

8. Level crossing gates wheel

Kuid:169585:40619 – this can be removed by deleting the relevant entry in the config file.

9. Old armchair

Kuid2:68213:25045:2 Derelict chair 01

Download from the DLS. A familiar sight in many signal boxes – I remember a broken down but very comfortable example in a west London box – again, just delete the entry in the config file to remove it, or change the kuid for another chair if you wish.

10. Signal box cat

Kuid2:201734:99000032:1 3D Cat

The cat is built-in content, at least in TANE.

His name is Isambard and he is positioned at his favourite spot in front of the fire. You can call him anything you want, but he will only answer to Isambard, and only then when it suits him.

Remove him if you wish – or dare – by deleting his entry in the config, or you can replace him with another cat by changing the kuid in the config, but not with any other animal!

Isambard’s livery indicates that he was allocated to either the Bristol, Worcester or Newton Abbot divisions of the GWR, but he might be found in any signal box anywhere.

Steve – ING4Trainz, February 2026