



Platform Display 02

We have removed the Flight Data & Time Zones as users do not require them

**From MTA
(Model Train Accessories)**

Manual Version: 2.4

<http://modeltraina.co.uk>

Welcome

Welcome and thank you for purchasing this Platform Display kit v 2.0, our products are designed, hand assembled and tested by our trained staff.

We appreciate your business, and hope you have lots of enjoyment using it.

Should you need to get in touch with us with any questions or issues then please contact us on:

info@modeltraina.co.uk

or

support@modeltraina.co.uk

we will endeavour to reply within 24 hours.

Thank you

MTA



Some of the Features are:

- Simple to set up.
- No Soldering required.
- 8 Screens in Colour.
- Live time, (with Internet connection)
- AES-128 Encryption on WiFi password (password must be a maximum of 15 characters).
- Connect to a mobile device to set up.
- Up to 10 Station destinations.
- The Screens are: System Information, Arrivals, Calling At, Special Notices, Live News Feed, Information Screen, Cafe Menu, 3 Adverts of your choice.
- 4 Languages, English, French, German & Spanish.
- Sleep mode to stop Image Burn on the Display.
- Software update when available.

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1. Type of Displays

This Platform Display v 2.0 has a total of 8 screens that you can select by pressing the button once on the control unit

Screen 1:

This is the Default & System Information screen you will see when you first start the Platform Display v2.

The screen shows you our web address, Version number and the button clicks.



1. Pressing the button once, will move you onto the next screen.
2. A Double click will take you to the Config screen so you can add\change your data.
3. Long click (about 3 seconds) will take you to the Upload screen so you can upload the adverts you want, the file's must be called 01. Jpg, 02.jpg and 03.jpg and the size of 130 x 160 pixels.
4. Extra long click (about 6 seconds) will take you to the screen where you can download the Latest Firmware version.

and the last information on this screen is the amount of space left on this device.

Screen 2:

Arrivals: This screen will show a random list of stations from your list of stations that you have entered in the Config screen.

when the first train time matches the current time, it will move to the end with a new time.

This can be setup in the Config screen.



Screen 3:

Calling At: This screen will select the train stations based on the Platform Number that you have added in the Config screen.

The Platform number will be shown and the stations this train will be going to.

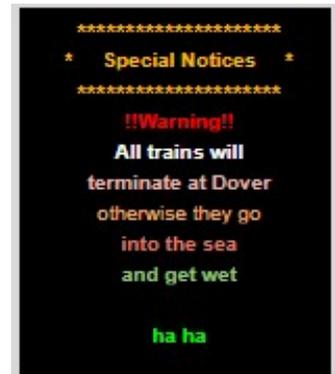
Once the time equals the current time, then the next train for this Platform will show.



Screen 4:

Special Notices: The Information on this screen is from your data that you have entered into the Config screen.

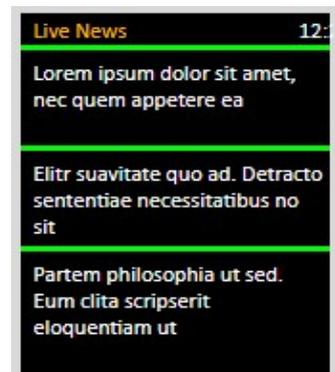
You can change the Colours * of the text and background see User Extra Information page



Screen 5:

Live News: If you have an Internet Connection and have added a RSS feed to the Config screen, then you will see the Live up to date News feed.

the default one is the BBC news feed
Which you can change in the Config screen
if you have no Internet it will show some Latin text.



Screen 6:

Information Screen: has 1 small header and long title and the main body has 2 columns.

You can change the Colours * of the text and background see User Extra Information page



Screen 7:

Cafe Menu: This screen can be used like a Menu for a cafe, restaurant etc

The Header and Body Colours can be selected and the menu has 2 columns long and short.

You can change the Colours * of the text and background see User Extra Information page

Joe's Cafe	
Full Breakfast	4.75
Eggs, Bacon	1.75
Eggs on Toast	1.50
Bacon on Toast	1.25
Beef Stew	3.75
Tea	0.60
Coffe	0.60
Water	0.50
Cold Water	0.80
Coke	1.50
Milk	1.10

Screen 8:

Advert Screen: The screen can display up to 3 adverts of your choice, the Image size must be 130 x 160 pixels, and called 01.jpg, 02.jpg or 03.jpg you can upload the images by doing a Long click on the button and do what the screen says then you can upload your images from your device.



* Screen shots are an example of what the screens look like

2. Setup

To Setup your Platform Display, first make a note of the data you will need to enter into the Config screen (see the last page for the Information sheet)

Config Screen:

When you double click the button, this screen will appear on your TFT screen. Go to your mobile device and check your WiFi networks for MTA, select it, the password is password then open a web browser and type in 192.168.4.1, a web page will appear, enter your data then click Save your config.



Upload Screen:

To upload an image for your adverts, do a long click on the button (approx 3 seconds), this screen will appear on the TFT screen. Go to your mobile device and open a web browser then type in the number shown on the TFT and press return.



This screen will appear in your browser, click the “Choose file” button, find and select your image.



(Image size must be 130 x 160 pixels. and called 01.jpg, 02.jpg or 03.jpg), then click the “Upload” button, your image will now be stored on the Platform Display. If the file is already there it will be overwritten.

3. FAQ

Problem:	Nothing showing on the Display screen but the red light is on the control box.
Fix:	Make sure the lead from the Platform Display is plugged in correctly. With the Ridges facing up And the TFT screen pin are at the top 
Problem:	The screen is blank and the red light is on the control box.
Fix:	Make sure that you have not switched on the Sleep Mode, when you switch on the Control box with the display connected, is it showing the start-up screen?
Problem:	Nothing showing on the Display screen and no red light on the Control box.
Fix:	Check that the 5v power cable is connected correctly.
Problem:	Display shows Wi-Fi not Available
Fix:	Check you have entered the correct Wi-Fi name and password. (password must be a maximum of 15 characters) In the Config screen
Problem:	If I have a problem, who do I contact?
Fix:	Contact us on info@modeltraina.co.uk or support@modeltraina.co.uk

4. Device Information



Specifications:

- Controller Chip: ST7735
- Interface Type: Serial Peripheral Interface
- Display Colour: Full-colour
- Screen Size: 1.8inch
- Resolution: 160 x 128
- Number of Pins: 8 pin
- Voltage: 3.3V
- Pixel Size: 0.219 0.219mm
- Dimension: Approx. 40 x 62mm
- Display Area Size: Approx. 28 x 35mm
- Working Temperature: -20-70jæ

Control Box

- Power consumption: 300mA 3.3V
- Powerful microcontrollers installed.
- 2.4 GHz dual mode Wi-Fi and Bluetooth
- 40NM low-power technology.
- 5 volt input from USB cable.

The TFT is made from Glass, do not bend or break it.

Warning: THIS IS A 5 Volt DEVICE. DO NOT EXCEED THIS VOLTAGE

Contains small parts. Keep out of reach of children

5. Software Update

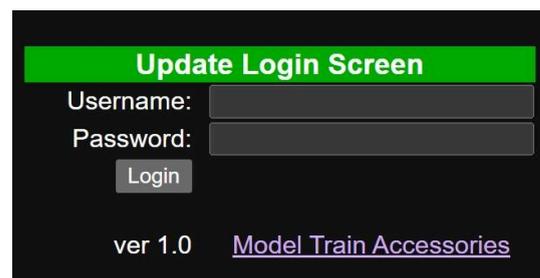
If you have a problem and have contacted us, and we can't fix it over the phone or via email, we will send you a username, password and a file which will update your control box.

Plug your control box into a PC\Laptop or a MAC.
And make sure you have set up the internet on your control box.

To update your control box
Press the button for a long click (approx 6 seconds), this screen will appear on your TFT screen.
(make sure the control box has Wi-Fi connection)

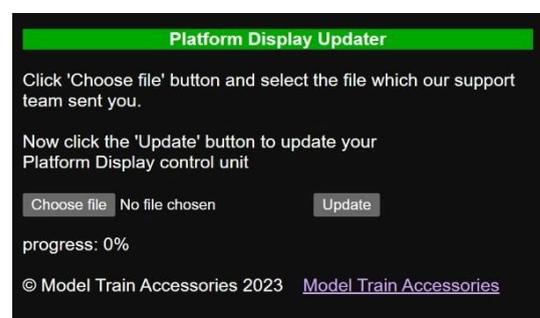


This screen will appear
Type in the username and password
which we have sent you and press
return.



Then this screen will now appear

Click the “Choose file” button and
browse to where you saved the file
we sent you, select it and press
return.



Once the file is showing, press the “Update” button, this will update your control box
Once it has finished the control box will restart and your control box is now updated.

6. Terms and Conditions

Please read these Terms and Conditions carefully before using our product. By using the product, you agree to be bound by these Terms and Conditions.

General:

Our product consists of a Colour TFT screen, a control box with Built in cables that operates on a 5V battery or a USB cable. It is important to note that the product must not have more than 5 volts connected to it otherwise damage will occur.

Faults:

In the event of any faults, we are committed to helping you to sort them out. If the goods are found to be faulty, please contact us first so we may be able to advise you

If we cannot fix it over the phone then you must send the control box to us and pay for postage.

We will examine the goods, and if the fault is due to a manufacturing defect, we will repair it free of charge and send it back to you at our expense.

If the fault is caused by a user, we will charge them for the repair.

And post it back to them.

Our product is designed to be used in accordance with the instructions provided. We cannot be held responsible for any damage caused to the product or any other property as a result of improper use or misuse of the product.

We make no warranties, express or implied, with respect to the product. We do not guarantee that the product will meet your requirements or that it will be free from defects or errors. We will not be liable for any damages arising from the use of the product.

In no event shall we be liable for any indirect, incidental, special or consequential damages arising out of or in connection with the use of our product.

Governing Law:

These Terms and Conditions shall be governed by and construed in accordance with the laws of the United Kingdom.

7. Disclaimer

The information contained in this document is for general information purposes only. While we endeavour to keep the information up to date and correct, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the document or the information, products, services, or related graphics contained in the document for any purpose. Any reliance you place on such information is therefore strictly at your own risk.

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Every effort is made to keep the document up and running smoothly. However, we take no responsibility for, and will not be liable for, the document being temporarily unavailable due to technical issues beyond our control.

8. User Extra Information

Languages: This Platform Display has 4 Languages you can change the data to, English, French, German or Spanish

To change the Language go to the Config screen and select the Language you require.

Colours *: To use the Colours, when you enter any text, the first letter will be ignored and this will be the colour for this line.

This can be setup in the Config screen.

e.g. RNotice line will show as red and then the text **Notice**

This can be used in Special Notices, Information & Cafe Menu only

The Colours used in the Platform Display are:			
B = Blue	C = Black	N = DarkBrown	H = Dark Green
F = Fuchsia	G = Green	D = Grey	L = Lavender
A = Light Blue	K = Light Grey	S = Light Orange	M = Lime
O = Orange	P = Pink	U = Purple	R = Red
W = White	Y = Yellow		

9. User Information sheet

To keep a record of your config.

WiFi SSID	
WiFi Password (password must be a maximum of 15 characters)	
Enter your Display number	
Enter your Platform no	
default start time HH:MM	
Total Platforms	
British Summer Time (0=No or 1=Yes)	
Sleep Mode (1=Yes)	
Sleep From	
Wake at	
Language	

Live News Feed

Enter the rss Feed web site	
Enter default News line 1	
Enter default News line 2	
Enter default News line 3	

Station Destinations (max 11 letters)

Enter your 1st destination	
Enter your 2nd destination	
Enter your 3rd destination	
Enter your 4th destination	
Enter your 5th destination	
Enter your 6th destination	
Enter your 7th destination	
Enter your 8th destination	
Enter your 9th destination	
Enter your 10th destination	

Special Notice*

Special Notice Body Colour *	
Message 1	
Message 2	
Message 3	
Message 4	
Message 5	
Message 6	
Message 7	
Message 8	
Message 9	
Message 10	
Message 11	
Message 12	

Information Screen*

Information Screen Top Colour *	
Information Screen Main Colour *	
Information 1	
Information 2	
Information 3	
Information 4	
Information 5	
Information 6	
Information 7	
Information 8	
Information 9	
Information 10	
Information 11	
Information 12	
Information 13	
Information 14	
Information 15	
Information 16	

Information 17	
Information 18	
Information 19	
Information 20	

Cafe Menu*

Cafe header Colour *	
Cafe main body Colour *	
Cafe Name	
Item 1	
Item 2	
Item 3	
Item 4	
Item 5	
Item 6	
Item 7	
Item 8	
Item 9	
Item 10	
Item 11	
Item 12	

Item Price 1	
Item Price 2	
Item Price 3	
Item Price 4	
Item Price 5	
Item Price 6	
Item Price 7	
Item Price 8	
Item Price 9	
Item Price 10	
Item Price 11	
Item Price 12	

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