



studio
polygon

London User Manual

Developed by:

Studio Polygon

Reverseidle, FirstEnviro, Jack Bayntun, BKG

Manual:

Studio Polygon

Developers Foreword

Welcome to our Addon London update. One key feature of this update is our fully-simulated Wayfarer 150 ETM. In this handbook, you can find instructions on how to Sign On, Sign Off, and more.

If you want to get started as quickly as possible, the Driver Number is **985441** and the PIN is **0267**.

This manual outlines every feature of our Wayfarer 150 rendition. It also goes into complete depth on how to use the machine as intended. This manual is lengthy, so if you don't want to read it all, please see the Studio Polygon YouTube page for short videos showing you how to correctly use the machine.

As well as the Wayfarer, this manual also has instructions for all of our Addon London equipment. Guides on how to use the iBus MDT, Mobitec ICU402 and the wheelchair ramp are also in here.

Wayfarer 150 Quick Start Guide

Log On Summary:

1. Turn on the battery master, and wait around 45 seconds for the ETM to boot.
2. Enter the driver number, which is 985441 and the PIN is 0267.
3. The Garage ID is any 3 numbers, followed by the ENTER key.

Sign-on Summary:

1. Checked Bus? Use the Arrow Keys, 0 or 1 on the number pad or + to cycle through the route numbers, then press ENTER.
2. Operator, Duty and Trip, enter any digits from 1-3, then press "ENTER"
3. For Route, use the Arrow Keys, 0 or 1 on the number pad or + to cycle through, then press ENTER.
4. Wait 5 seconds for the ETM to transfer data to the MDT.

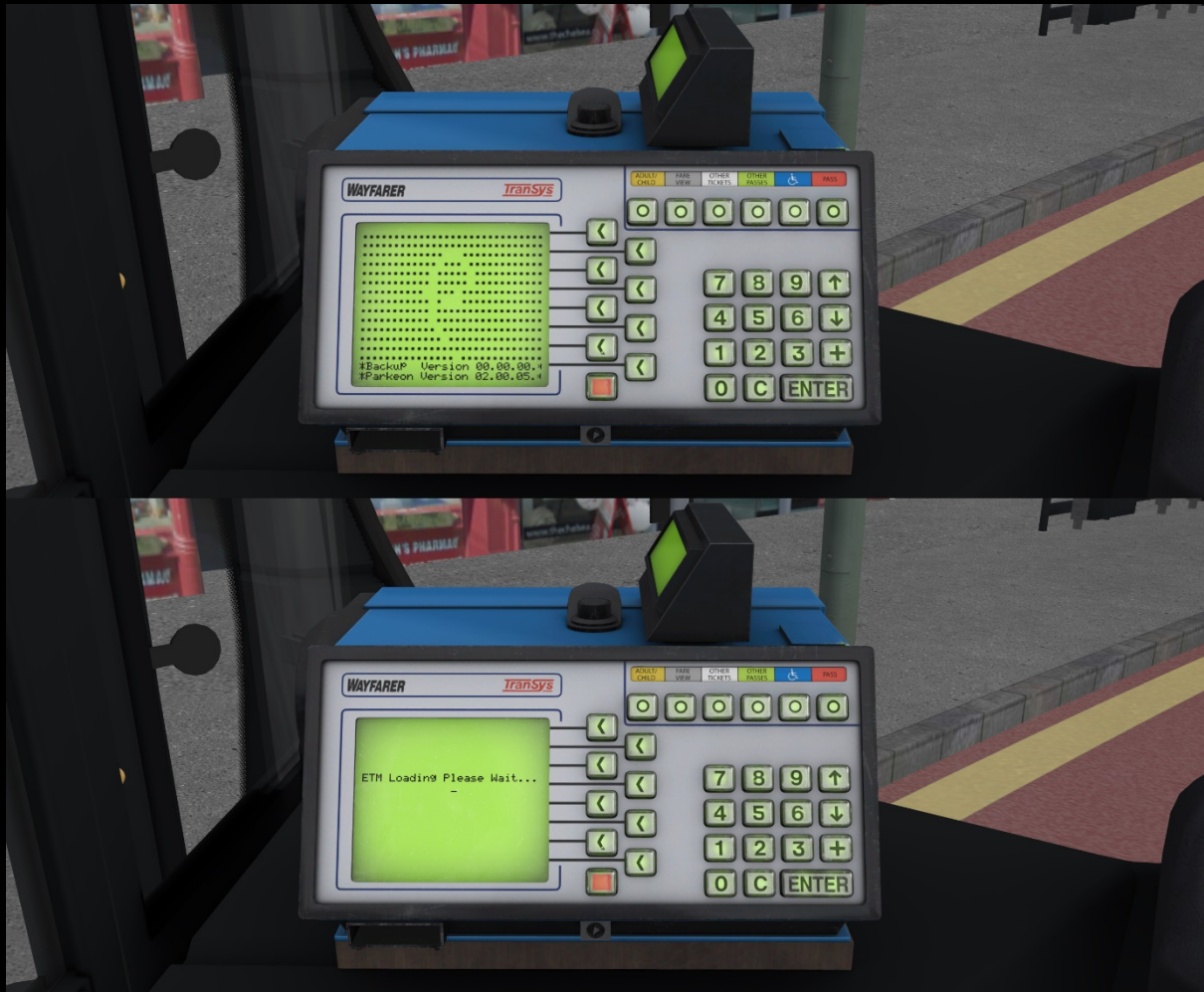
Ticket Selling:

1. Use the < buttons or O buttons at the top to select a ticket, then press ENTER to issue. Tickets not available are simulated also.
2. If a ticket prints out when someone scans their oyster, this is an emergency ticket. These will print when the passenger doesn't have enough money on their card. Simply click the ticket to take it.

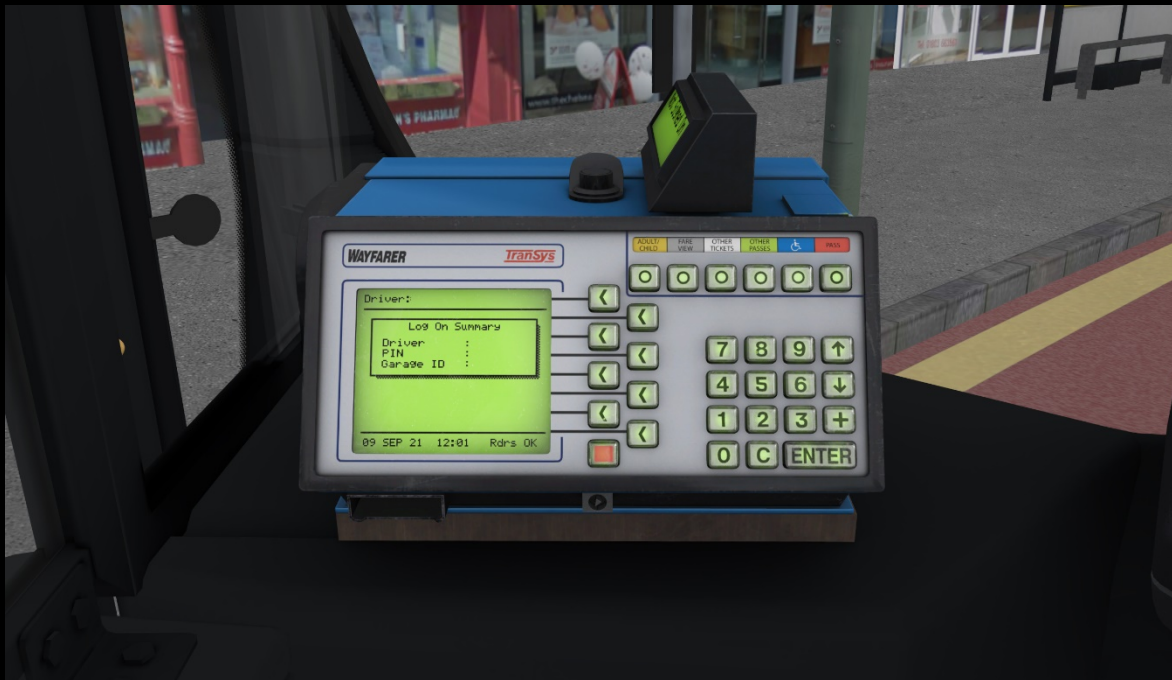
Wayfarer 150 In depth guide

Booting up and logging on

To turn on the Wayfarer 150, you need to turn on the battery master of the bus, the Wayfarer will then proceed to boot. The booting process takes around 45 seconds. The bootup screens look like so:



Once the Wayfarer has booted, you'll see this screen:



Now you can log into the Wayfarer. The Driver ID is 985441 and the PIN is 0267. For the Garage ID, you can enter any 3 digit number or the duty number on your duty card. Then, press enter to advance onto the next screen.



Now you've advanced onto the Sign-On Summary; the screen will look like the above. Use the arrow up and down keys to select the "Yes" or "No" options if you've checked the bus or not, then press enter. Now enter your operator

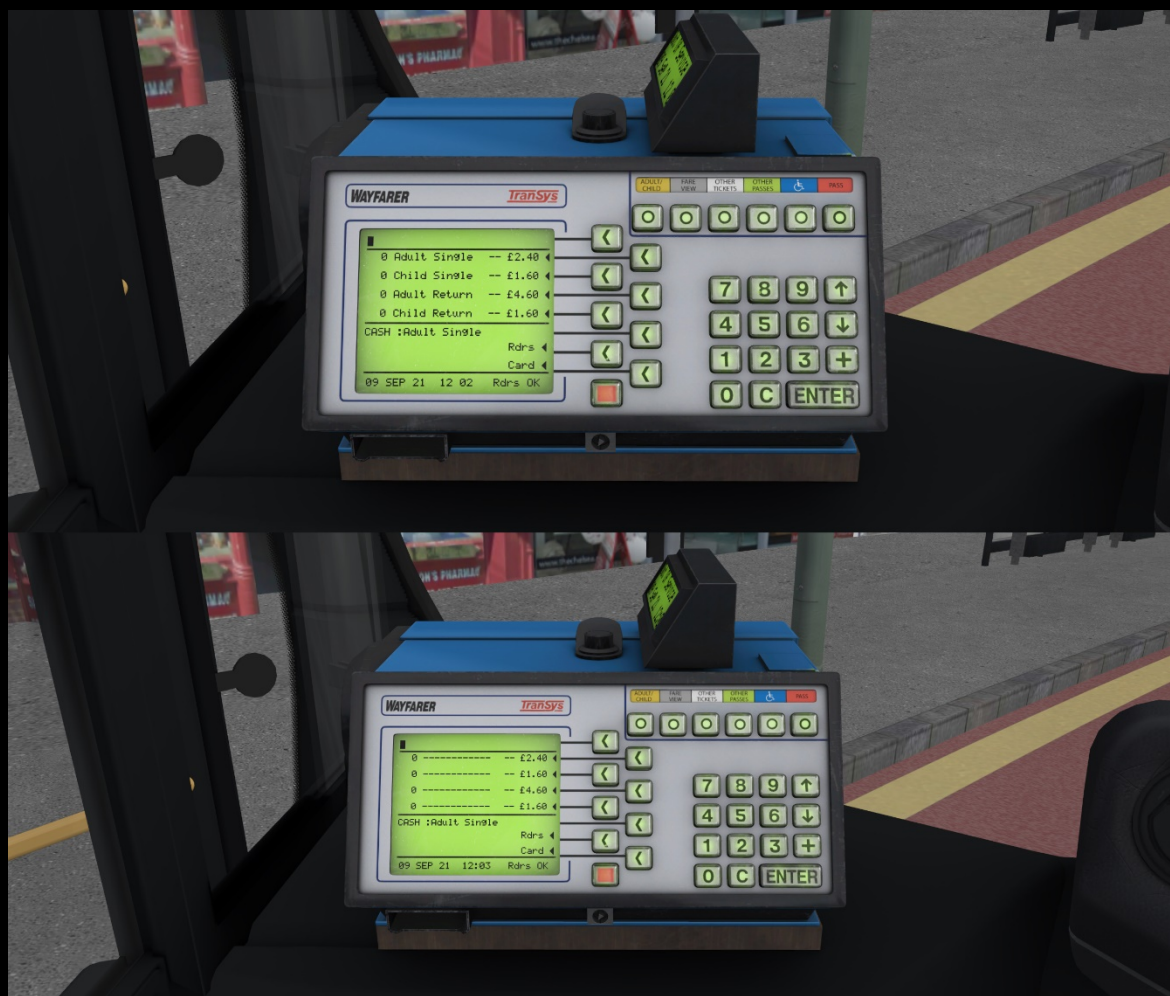
number, duty number, then route number. You can scroll to find your route number using the up and down arrows, or type your route number in using the keypad, then press enter, finally, enter your trip number, and press enter.

Now the Wayfarer will uplink this data to the iBus MDT and automatically fill in the required MDT data. This will then allow the MDT to play announcements for your selected route/duty, providing a timetable is active in-game. Alternatively, you can enter the data in the MDT manually.

Whilst the Wayfarer is uploading the data to the MDT; the screen will look like this:



When the Wayfarer finishes uploading the data to the MDT, you'll be able to use the Wayfarer to its complete functionality. The screens may vary depending on if you're on Addon London or a different map, like so:

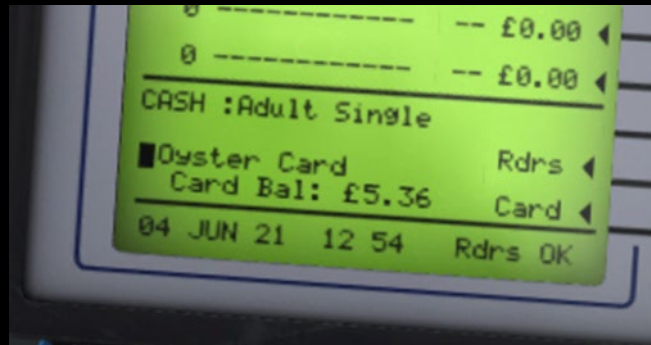


Now the home screen is visible. For Addon London, and any other map that has a ticket name as “”, the machine will display an error saying “Cash Fare not available” with a different audible beep. This is true-to-life and will disappear after 2 seconds, alternatively, you can press C to remove the message instantaneously.

The areas in Green are buttons you can click to print tickets, followed by “ENTER”, if you mistakenly click one, press C (annotated Blue) to remove the ticket selection, alternatively, you can click the same button you just pressed to remove the ticket selection.

Once in service, each passenger will scan their Oyster card on the reader, and you'll get a popup that lasts for a second with an audible acceptance noise. The popup also displays the balance on the card.

However, if the Oyster Card balance is below £1.50, an error acceptance sound will play instead of the regular acceptance sound, and an emergency fare ticket will automatically print out. This is something that has never been done in OMSI before. You can find the balance of a card in the image below:



From the home menu, in addition to the above, you can also check the card reader status by clicking “Rdrs”, as well as checking the card functions menu. Here you can check your card details of the oyster located in the cab door pocket, cancel an Oyster card and cancel a card operation, also known as annulling a ticket. To exit out of both these menus, you can press **C** on the number pad.



Next is the Functions Menu, you can access this menu by clicking the red button on the keypad. There are 4 options on this screen, End of Journey, Driver Sign Off, Driver Break, and Curtailment.

The End of Journey option is the same as the Sign-on Summary above, except this menu has an additional option for an LUL Resolution, which is given by an iBus controller in the event of a previous service failing etc. Enter any 3 digits into the number pad and press enter when you get to this point. The ETM will now sign in again to the home page.

Next is Driver Sign Off. If you press this button, a popup will appear confirming if you want to sign off or not. If you press the Enter button, you'll be signed off and returned to the post-boot up screen. If you do not want to sign off, press C to cancel.

Second, to last is Driver Break, you can click this if you need to go for a break or just to lock the ETM. If clicked, you'll need to re-input your PIN again to unlock, which is 0267, or if you want to sign off completely, press C to be brought to the post-boot up screen.

Finally, is curtailment, you can click this button and a curtailment ticket will print out for the passenger.



Next is the Driver Functions Menu, you can access this menu by clicking the red button and then hitting the arrow button that points to Driver Functions Menu. In this submenu, there are 4 options, Inspector, Paper Status, Driver Settings, and Driver Totals.

The first is Inspector. To print out an Inspector ticket, you'd ask for their digits, and type them in and then press the Inspector button. A ticket will print out, and a popup will appear saying "Retrieving data From RTD", this will auto disappear in 5 seconds, or you can press the Inspectors button again, or C to remove the popup.

Next is Paper Status. Every time you print a ticket out, this number will decrease by 1. Once clicked, a popup will appear, you can press the Paper Status button again to remove the popup, press C, or wait again, 5 seconds for it to auto-remove itself.

Followed by Driver Settings. This menu is quite a unique feature. You can dim/brighten the display by changing the backlight and contrast settings. Just click the correlating buttons.

For those worried about memory usage when doing this, there's no need. Whilst they are texture changes, they're compressed DXT1 images and are very low in memory, and OMSI will dump them almost instantaneously out of memory.

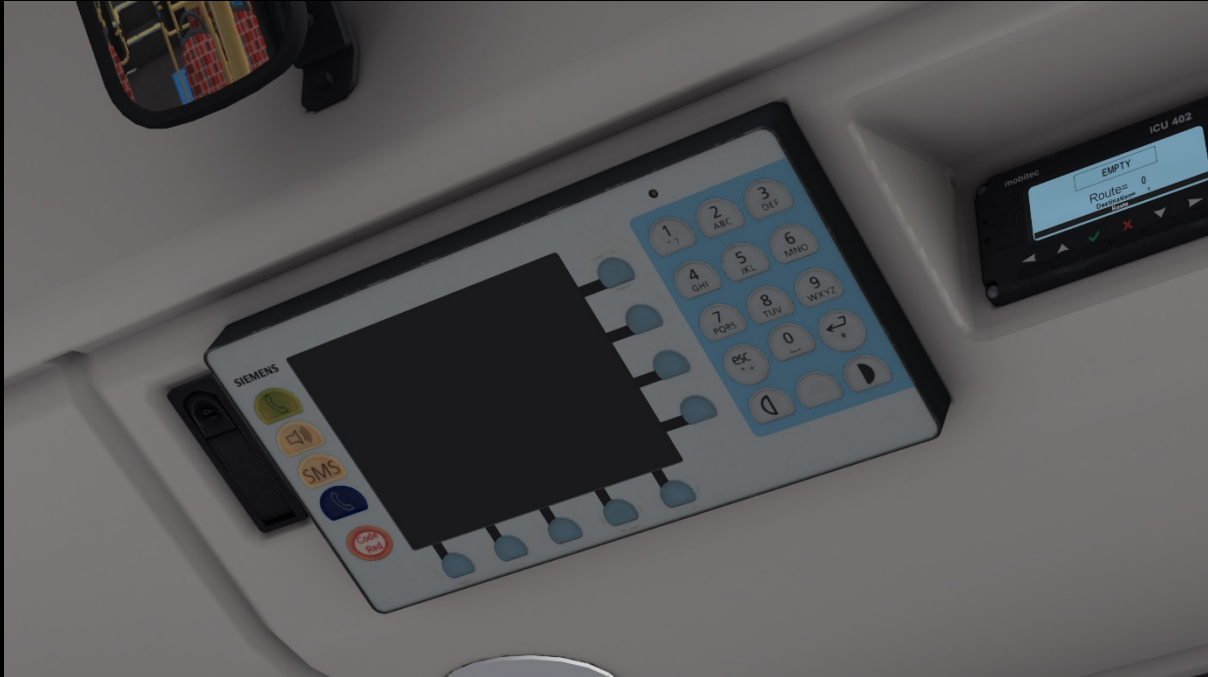
You can press C to exit out of this menu.

Finally, Driver Totals. For London, it will never say anything other than £0 as it doesn't accumulate Oyster Card deductions, it was used back when TfL accepted cash. However, on maps with fares and ticket selling, this number will update accordingly.

To exit out of any submenu, you can press the red button, or press C.

iBus MDT Quick Start Guide

The iBus MDT is used for all the passenger related announcements on your vehicle. Next stop announcements, passenger announcements, and delay state. When you load in your vehicle, the MDT will be turned off and look like the image below.



To turn the MDT on, the battery master and ignition needs to be turned on. The MDT takes approximately 90 seconds to boot, so allow plenty of time before starting your journey.



Once the battery master and ignition is turned on, the MDT will boot. Once the MDT has booted, it will boot to the logging on phase. Here, you have 2 options.

Option 1 is to sign on using your garage number, route number, operation number, and trip number using the data on your duty card and then press enter.

Option 2 is to leave the MDT as is, and then go sign onto the Wayfarer 150. Once you've signed onto the Wayfarer 150, the Wayfarer will uplink the data to the MDT and automatically sign the MDT in using the data you've inputted into the Wayfarer.

If you choose option 2, you should skip to **Page 16**, if you choose option 1, please read on for further instruction.



Once you've pressed enter on the previous page, here is where you click your route variant, curtailment isn't simulated just yet.



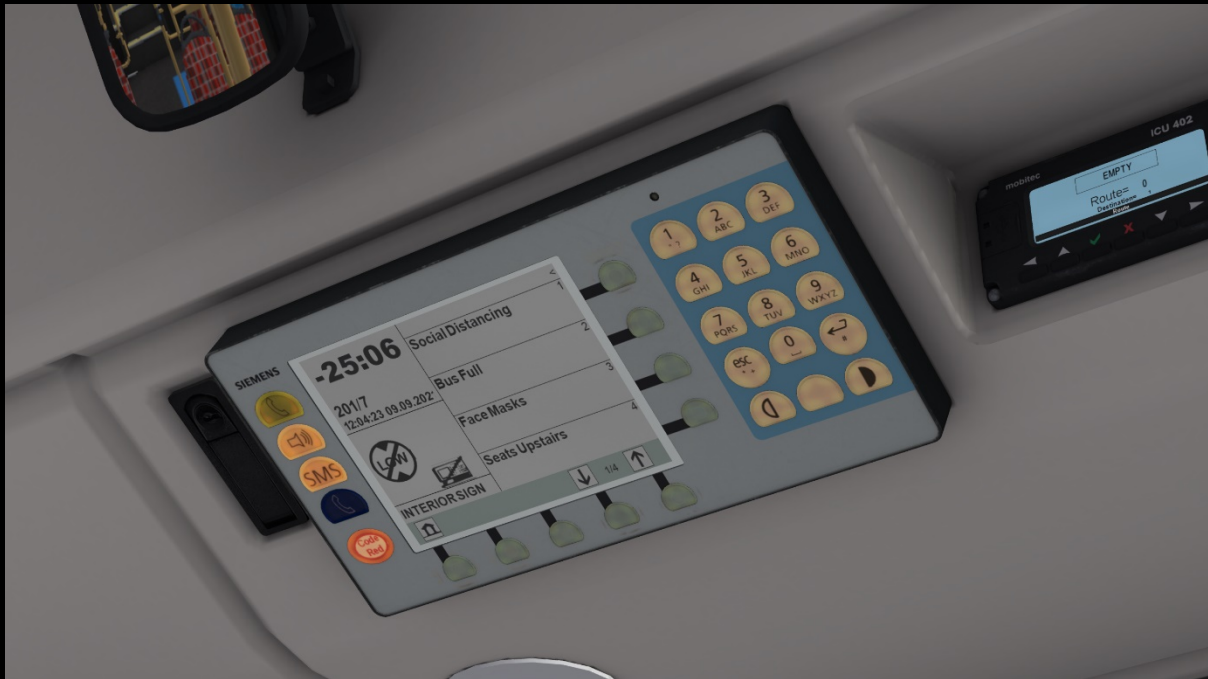
On this screen, click the destination of your route and you will advance onto the next screen.



Now you've logged into the MDT. On this screen, you'll see your delay state, route and garage number, date, time and any warnings you need to be reminded about.

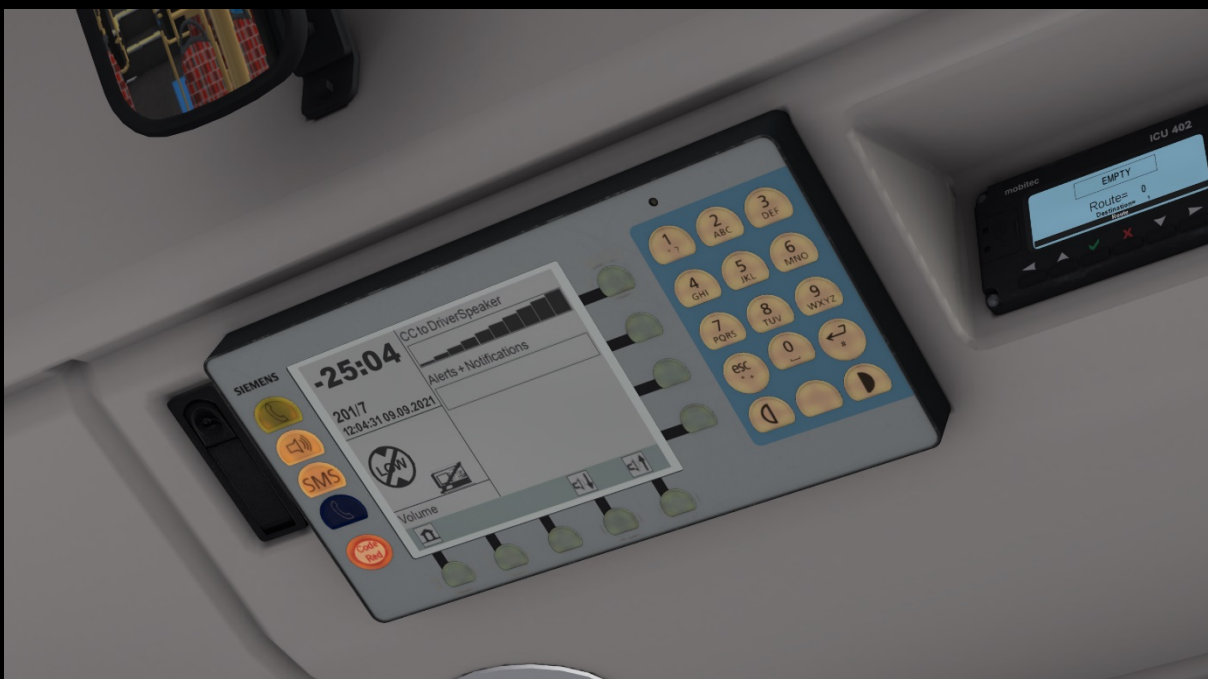
Your delay state is in the top left in bold, for this example, the driver is 25 minutes early. The Route information, date and time are below that. The "LOW" icon correlates to what route you're driving. For example, if you're driving route 201 on Addon London, you'll see this icon as a reminder that there is a low bridge along the route and double-decker buses aren't to be used.

The next icon is the Wayfarer, this icon will appear if the Wayfarer hasn't been logged into and thus no route uplink has been attempted. This icon will disappear when you log onto the Wayfarer.



Next is the passenger announcement page. If you click the **i** on the bottom right of the keypad, you'll be brought to this screen. From here, there are 4 pages of announcements you can play to the passengers. To exit, click the **Home icon** on the bottom left to go back home.

This screen is the volume control screen. You can get to this screen by clicking the speaker icon on the home page on the far bottom right. Use the speaker up and down buttons under the icons to control the volume of the announcements, and then the home icon to go back home.





Finally, this is the activate ignition page. You'll see this screen if the MDT has booted, and you've turned the ignition off.

Simply turn the ignition back on to resume usage of the MDT.

You don't need to worry about signing out of the MDT at any time, and the MDT will shut down after the battery master has been turned off. There is a 30-second relay to save any accidental shutdowns.

Mobitec ICU402 Quick Start Guide



The ICU402 will shutdown and boot whenever the battery master is toggled. The ICU402 takes only a few seconds to boot. Once the ICU402 has booted, it will show this screen.



To change your destination, press the **green tick** button and scroll to find the route number you're driving. For example, we'll use 12 to Dulwich Library for this instance. Scroll to find route 12.



Once you've found your route, press the **green tick** once more time, scroll through the destination options using the arrows. Once you've found the correct destination, no more user input is required, wait for a few seconds and the ICU402 will automatically send the destinations to the smartblinds, as shown below.



Once the sending destination screen has shown, you'll hear the brilliant smartblind sounds start and finish, once the smartblind sounds have stopped, the destination has been set.