



iCabbi

USA meter

Revision history:

Date	Version	Author	Description
24/09/15	1.0	Derek Flanagan	Meter / tariff setup overview
25/09/15	1.1	Derek Flanagan	Additional screenshots added for driver app
28/09/15	1.2	Derek Flanagan	Grammatical correction.

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1 Introduction

The objective of this document is to provide an overview of the setup and configuration on the US driver app meter.

1.1 Recommended Hardware Configuration

The in-app meter can work on any Android device with a minimum operating system of 2.2, but for optimal results, iCabbi recommends the use of hardware with the following specifications:

Processor: Dual-core should be used as a minimum, but a quad-core is recommended.

Processor Speed: A minimum of 1 Ghz is recommended, but using a faster processor will provide better results.

GPS: Assisted GPS (A-GPS) will significantly improve the performance of the hardware.

Operating System: Although older versions of Android will work, it is recommended that the device have OS 4.4.2 or newer.

RAM: At least 1 GB

1.2 Mobile Device Management Software

As a measure of security the iCabbi in-app meter is encrypted and cannot be configured or manipulated at the end user level. In order to ensure that the hardware is not used outside of its scope, iCabbi recommends using a mobile device management (MDM) software.

For the Washington DC Taxicab Commission's in-app meter, iCabbi is using AirWatch by VMware. This MDM software provides visibility of all enrolled devices, regardless of platform or device type. Along with device tracking, the MDM administrators will be able to do the following:

- A) Restrict installation of non-approved software.
- B) Restrict app usage, including use of the internet browser.
- C) Restrict which settings on the hardware can be accessed and or adjusted by the end user.
- D) Deployment of new software and updates fleet wide or to individual devices.

The AirWatch platform is built with security at its core and designed to support any mobile deployment, from 10 to thousands of devices. Device communications are MTLS authenticated and encrypted with unique device identity certificates that are issued during device enrollment.

2 Tariff setup

2.1 Tariff details

Tariffs can be setup from
[ADMIN -> CONFIG -> PRICING TARIFFS]

Edit on any tariff.

Tariff Details	
REF	1 - 5 Seater
NAME	1 - 5 Seater
TYPE	DISTANCE ▼
DEFAULT	NO ▼
DISABLE METER	NO ▼
MIN COMM. (£)	0.00
MIN COST (£)	4.30
MIN PRICE (£)	4.30
JOURNEY TIME COST (£/min)	0.00
JOURNEY TIME PRICE (£/min)	0.00
JOURNEY TIME ALLOWANCE (sec)	0

In the Tariff details the following can be configured:

REF: The system reference of the tariff

NAME: The name of the tariff

TYPE: Distance / Time / Hackney meter

Distance is distance only.

Time is time only.

Hackney is distance or time.

DEFAULT: This is a redundant option.

DISABLE METER: This is a redundant option.

MIN COMM: The minimum commission value.

MIN COST: The minimum cost to the driver.

MIN PRICE: The minimum price to the customer aka flagfall.

JOURNEY TIME COST (per minute): The time & distance cost calculated together.

JOURNEY TIME PRICE (per minute): The time & distance price calculated together.

JOURNEY TIME ALLOWANCE: The initial amount of time which will not be charged.

2.2 Extra costs

Extra Costs	
EXTRA COST (£)	0.00
EXTRA PRICE (£)	0.00
COST PER VIA (£)	0.00
PRICE PER VIA (£)	0.00
RETURN DISCOUNT	0.00
ROUNDING (£)	0.10
SPEED LIMIT (Mi/hour)	0.000
TIME ROUNDING (seconds)	60

EXTRA COST: Additional extra cost per trip

EXTRA PRICE: Additional extra price per trip

COST PER VIA: Additional cost for each VIA added.

PRICE PER VIA: Additional price for each VIA added.

RETURN DISCOUNT: % amount given as discount if tariff is used on a return trip.

ROUNDING: Rounds the meter value to the nearest X.

SPEED LIMIT (Mi/Hour): Will be used when hackney meter is enabled. Below this speed time applied above this speed distance is applied.

TIME ROUNDING (seconds): Idle time is charged after X seconds.

2.3 Meter Start Price

Display Config	
START PRICE	DISPLAY MINIMUM PRICE ▼

DISPLAY MINIMUM PRICE / DISPLAY BANDING PRICE / SYSTEM DEFAULT

Will determine what will be displayed on the meter when HIRED.

2.4 Company and vehicle Restrictions

Company and Vehicle Restrictions	
SITE	ANY SITE 
VEHICLE TYPE	R5 

When set then the tariff will only come into play when restrictions are met by the booking.

2.5 Account Restrictions

Account Restrictions

ACCOUNT:

ACCOUNT TAGS:

When set then the tariff will only come into play when restrictions are met by the booking.

2.6 Pickup and destination restrictions

Pickup Restriction

Address

Select a pickup type

Please select an address from the list

Destination Restriction

Address

Select a destination type

Please select an address from the list

An Address or Address Group or Postcode District or Post Code or Pricing zone can be set for the pickup and the destination.

When set then the tariff will only come into play when restrictions are met by the booking.

2.7 Mileage Bands

Any number of mileage bands for a tariff can be set up:

Mileage Bands														
	FROM (Mi)	TO (Mi)	MAX TIME (minutes)	COST (£ per Mi)	PRICE (£ per Mi)	TIME COST (£ per 60 sec)	TIME PRICE (£ per 60 sec)	INCREMENT (seconds)	EXTRA COST (£)	EXTRA PRICE (£)	MIN COST (£)	MIN PRICE (£)	COMMISSION (£ per Mi)	EXTRA COMMISSION (£)
DEL	0.000	1.000	0	4.30	4.30	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
DEL	1.000	999.211	0	2.50	2.50	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00

When set the tariff will activate as:

From mile 0.00: The starting distance

To mile: the end distance

Max Time (minutes): Redundant.

Cost per mile: The cost to the driver for each mile travelled.

Price per mile: The price to the customer for each mile travelled.

Time Cost (cost per X seconds): The cost to the driver for every X seconds

Time Price (price per X seconds): The price to the customer for every X seconds

Increment (every X seconds): Redundant.

Extra Cost: Additional extra cost on each band. Is added only once per band.

Extra price: Additional extra price on each band. Is added only once per band.

Min Cost: The minimum cost to the driver for this mileage band

Min Price: The minimum price to the customer for this mileage band

Commission (per mile): The commission for each mile travelled.

Extra Commission: Additional commission cost on each band. Is added only once per band.

3 Meter setup system configuration

Only staff members with administration authorization can access/change the following.

The driver app meter setup can be found at:

[ADMIN -> CONFIG -> SETTINGS -> DRIVER SETTINGS]

1) Driver App Meter: Yes/ NO

Enables & disables the meter

2) Driver App Meter Start Price:

DISPLAY MINIMUM PRICE / DISPLAY BANDING PRICE

Will determine what will be displayed on the meter when HIRED. This is a global settings which can be overridden at tariff level.

3) Driver Meter Fallback: METER REQUIRED / IN APP METER / MANUALLY CAPTURE

In the event of a hardware meter failure this setting will determine if the soft meter can substitute it or whether the driver can manually input the fare.

4) Disable the meter for account jobs: Enable / disable the meter for account jobs.

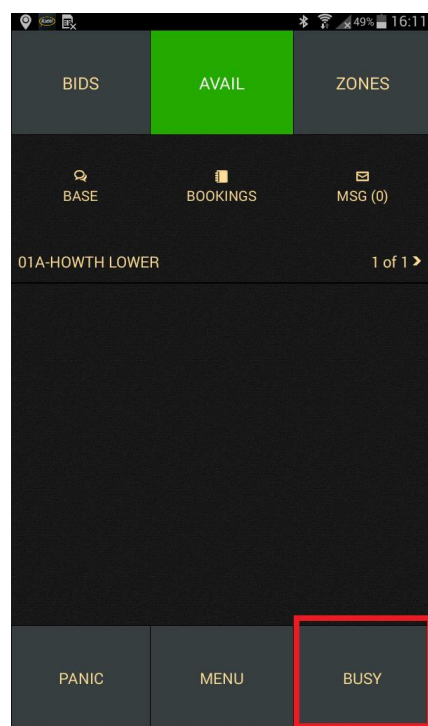
5) Meter - Use shortest possible route: If this option is selected, the estimate (shortest) route is used to calculate the total cost and price. A valid pickup and destination must be entered on each booking, otherwise the actual route taken will be used.

6) Require comments on metered extras: Force drivers to add comments on extra values on metered jobs. E.g. a bag or a buggy.

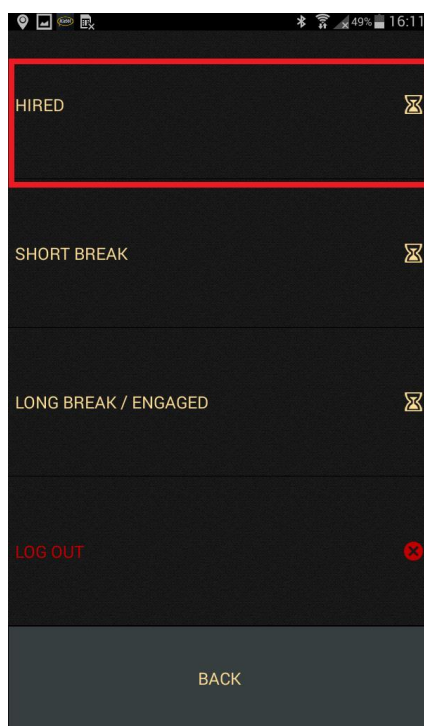
7) Allow Meter Fare for Fixed Fares: Allow the driver to capture wait time and add extras.

4 Driver interaction with meter

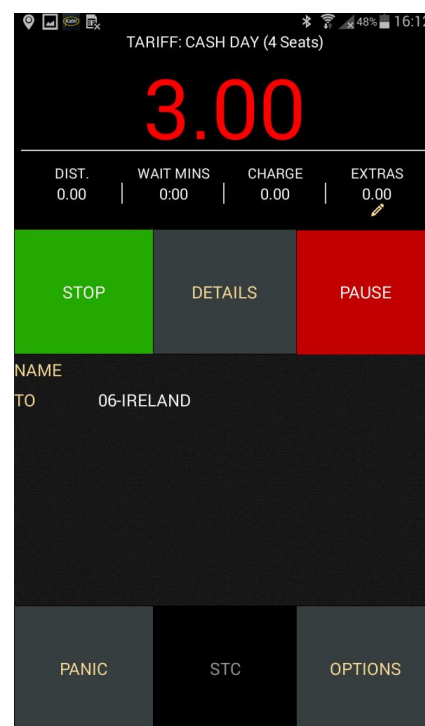
4.1 Street job



(1)



(2)



(3)

1) On the driver app home screen, pressing BUSY, will give the driver options.

2) Pressing HIRED will generate a system job and activate the meter with the current applicable tariff.

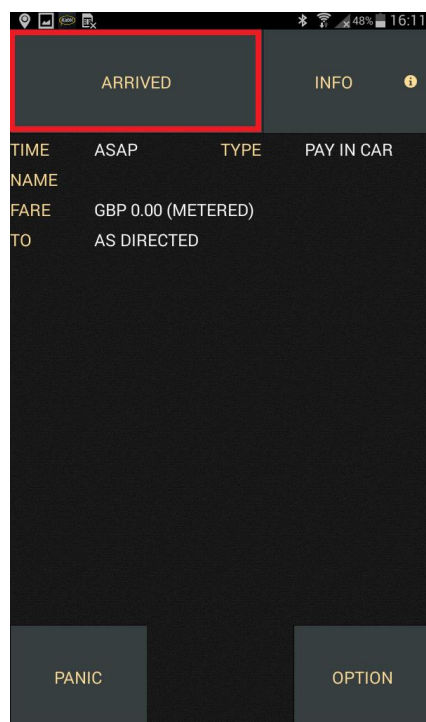
3) The meter is displayed along with options to added EXTRAS.

Pressing STOP will change meter status to time off. A FINISH button and a RESUME button will then be available.

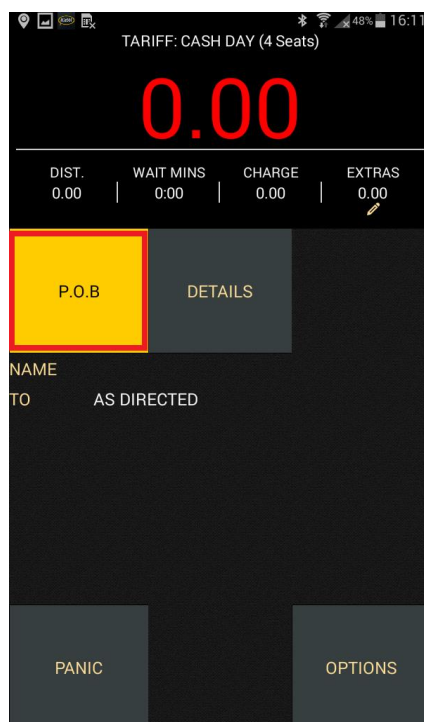
Pressing RESUME will change meter status to time on.

Pressing FINISH will complete the job.

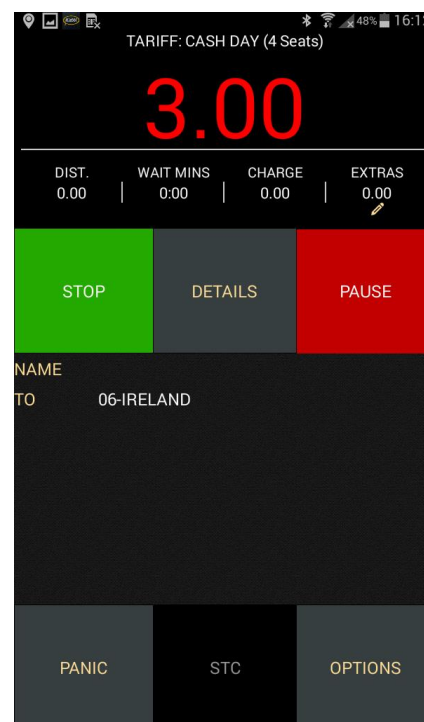
4.2 Dispatch booking



(1)



(2)



(3)

Once a driver has accepted a dispatched booking:

- 1) They will press ARRIVED and if configured the customer will be informed that the driver has arrived.
- 2) The meter will be activated and awaiting the passenger on board POB button press.
- 3) Once POB is pressed then the minimum tariff price (flagfall) is displayed.

Pressing STOP will change meter status to time off. A FINISH button and a RESUME button will then be available.

Pressing RESUME will change meter status to time on.

Pressing FINISH will complete the job.