

Resource
Data Management

USB 3G Modem

Installation/User Guide

Revision 1.6



PR0496-3G

Contents

USB 3G Modem.....	3
Specification	3
3G Modem for DMTouch	4
Installation Instructions - DMTouch	4
Setup Instructions - DMTouch	6
3G Modem for Intuitive Plant TDB	7
Installation Instructions - Intuitive TDB	7
Setup Instructions - Intuitive TDB	8



Please ensure all power is switched off before installing or maintaining this product.

USB 3G Modem

The USB 3G modem can be used both with the DMTouch and Intuitive Plant TDB controller. When used in conjunction with the DMTouch it allows alarms generated to be sent via SMS to a designated number. When used with the Intuitive Plant TDB it allows alarms and data to be sent via email or to a specified URL.



Features

- Internal antenna
- No Power Supply Required
- Low Cost
- Easy Installation

Note 1: The unit is only compatible with DMTouch software version 2.1 and above. It cannot be used with older hardware models. Please note that this will only work when using a standard size sim card that is enabled to send SMS. **It must be used in conjunction with the supplied dual USB adapter or a PR0624 USB 4 port hub.**

Note 2: The unit is only compatible with Plant Intuitive TDB software V2.11 and above. It cannot be used on the older plant TDB hardware. Please note that this will only work when using a standard size sim card that is enabled to send data. **It must be used in conjunction with the supplied dual USB adapter or a PR0624 USB 4 port hub.**

Specification

Box Contents

- 1 x USB 3G Modem
- 1 x Dual USB port cable

Hardware Features	
Standards and Protocols	WCDMA Network
Interface	USB 2.0
LED Indicator	Two-colour LED providing status information
Dimensions (WxDxH)	99mm x 28mm x 14mm (3.89 x 1.09 x 0.55in)
Antenna Type	Internal Antenna
GSM Band	850/900/1800/1900MHz
Others	
Certifications	CE, FCC, RoHS
Environment	Operating Temperature: 0°C-40°C (32°F-104°F) Storage Temperature: -40°C-70°C (-40°F-158°F) Operating Humidity: 10%-90% non-condensing Storage Humidity: 5%-90% non-condensing

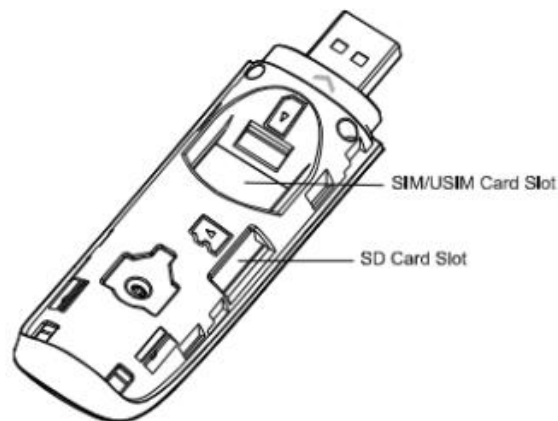


Please ensure all power is switched off before installing or maintaining this product.

3G Modem for DMTouch

Installation Instructions - DMTouch

1. Turn off the DMTouch and isolate the power.
2. Remove the right hand side wing by unscrewing the 2 screws at the top and bottom of each wing.
3. Locate the USB ports at the bottom of the panel.
4. Ensure the SIM is enabled to send SMS messages.
5. Remove the modem from its packaging and remove the front of the adapter by sliding it forward. Insert the standard size SIM card (Can be PAYG or Contract sim enabled to send SMS) as shown in the illustration below.



6. Remove the top of the USB modem to reveal the USB plug.



7. Now fit the dual USB adapter into two free USB ports on the DMTouch. **Note:** If there are not 2 USB ports available, then a PR0624 (USB 4 port hub) must be used to connect the 3G modem to the DMTouch. Now connect the USB modem to the free end of the USB cable.



Please ensure all power is switched off before installing or maintaining this product.

8. Next, replace the DMTouch side cover and secure it with the screws.
9. The unit connects to a mobile network to gain access to an Internet connection. For this reason the unit has to be placed in an area of the building which has access to the requisite mobile telephone network (e.g. Vodafone, O2, EE, Three, etc.).
10. The 3G modem hardware installation is now complete.



Please ensure all power is switched off before installing or maintaining this product.

Setup Instructions - DMTouch

Note: For the purpose of testing and demonstration, this guide uses a Vodafone SIM card and the Vodafone network settings. Please contact your mobile network provider for their particular settings.

Within the menu of the DMTouch, navigate to 'Service' – 'System' – 'Miscellaneous' – '3G Dongle Setup'. To successfully send SMS text messages, the service centre address details must be entered. The information below is provided by Vodafone and as a result may change at any time. For any queries please contact the relevant service provider.

Service Centre Address	+447785016005
APN	internet
The options below may not be needed, if not then leave them blank	
PIN Number	
Username	
Password	
<input type="button" value="Save Setup"/>	

For alarms to be sent, the destination / recipient must be entered within the 'Modem Setup' menus. Found under 'Service' – 'Alarms' – 'Modem Setup'. This can be any mobile telephone number, however the type must be set to 'SMS (GSM Modem)'.

Number/URL	Type	Retries	Period (mins)	Options
1 +447793708883	SMS (GSM Modem)	2	1	<input type="checkbox"/> Send Clear <input type="checkbox"/> Send Extra
2	Modem	0	1	<input checked="" type="checkbox"/> Send Clear <input type="checkbox"/> Send Extra
3	Modem	0	1	<input checked="" type="checkbox"/> Send Clear <input type="checkbox"/> Send Extra
4	Modem	0	1	<input checked="" type="checkbox"/> Send Clear <input type="checkbox"/> Send Extra
5	Modem	0	1	<input checked="" type="checkbox"/> Send Clear <input type="checkbox"/> Send Extra

Note: The dialout will stop on the first number that succeeds.

To confirm the successful setup, generate an alarm on the DMTouch that has been configured to be sent to the 'modem'. Please consult the DMTouch Installation Guide for help in configuring the alarm actions and modem destinations.

Status	Indication
Solid Red	The Adaptor is initialising
Flashing Red	No SIM/USIM card is inserted.
Flashing Green	The SIM/USIM card has registered to the network
Solid Green	The network is available with a successful Internet connection.

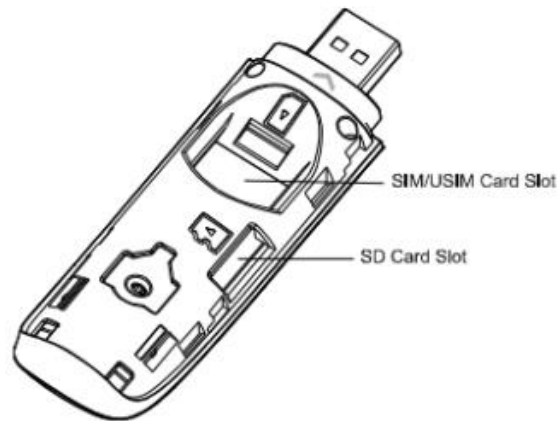


Please ensure all power is switched off before installing or maintaining this product.

3G Modem for Intuitive Plant TDB

Installation Instructions – Intuitive TDB

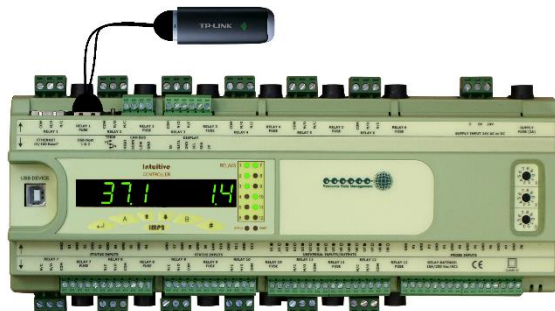
1. Locate the USB host ports located on the top of the intuitive TDB controller.
2. Ensure the SIM card is active and can be used for data.
3. Remove the modem from its packaging and remove the front of the adapter by sliding it forward. Insert the standard size SIM card (Can be PAYG or Contract sim enabled to send data) as shown in the illustration below.



4. Remove the top of the USB modem to reveal the USB plug.



5. Now fit the dual USB adapter into the two free USB ports on the Intuitive. **Note:** If the 2 USB ports are not available, then a PR0624 (USB 4 port hub) must be used to connect the 3G modem to the Intuitive. Please see the relevant document for more information.
6. Connect the USB modem to the free end of the USB cable and ensure it's secure.



7. The 3G modem hardware installation is now complete.

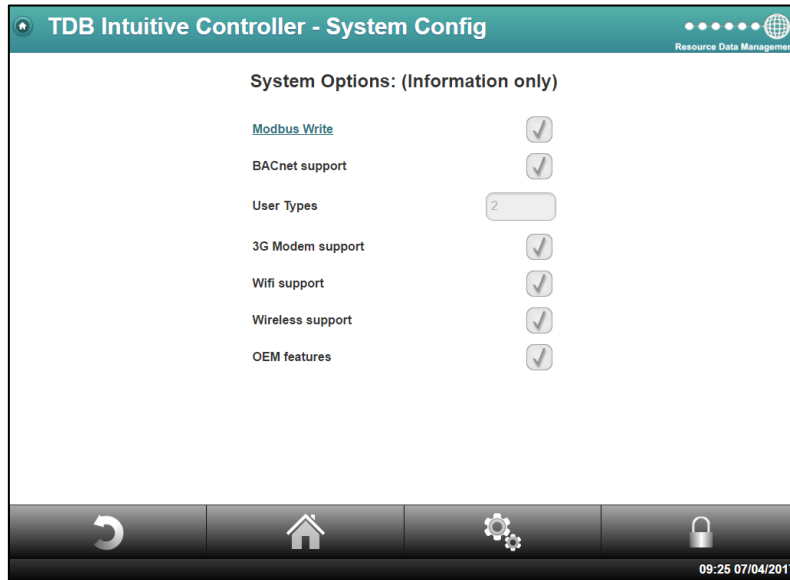


Please ensure all power is switched off before installing or maintaining this product.

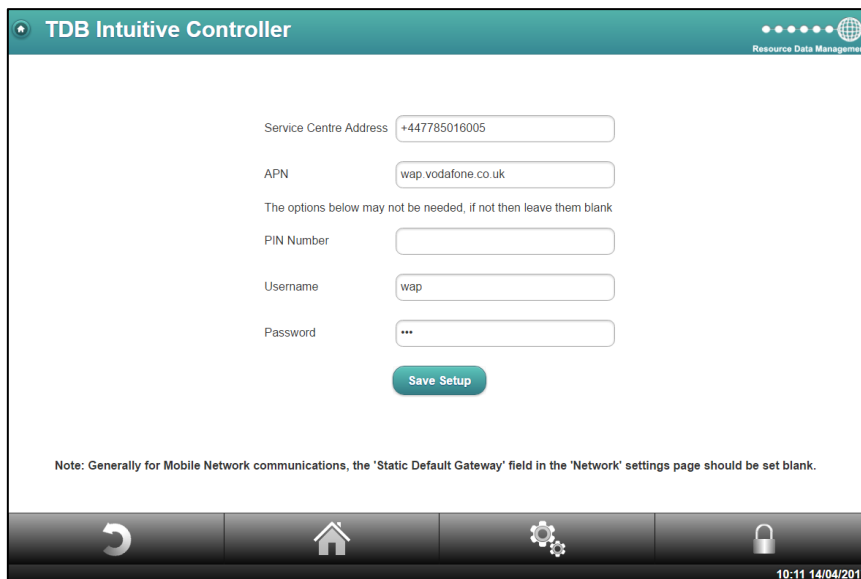
Setup Instructions - Intuitive TDB

When enabled (part number PR0496-3G), this feature will allow alarms to be sent over a mobile data network in the form of an email or to a URL, depending on alarm setup (please consult PR0650 TDB user guide for more details). **Note: it will not send SMS like the DMTouch.**

If the 3G dongle is ordered with the PR0650 then the feature should be enabled. If not then RDM Technical support must be contacted to have it activated. The below system configuration screen confirms if '3G Modem Support' is enabled;



When enabled, the menu 'Mobile Network Setup' will show in the drop down menus. Selecting it, it will allow the network details to be entered;

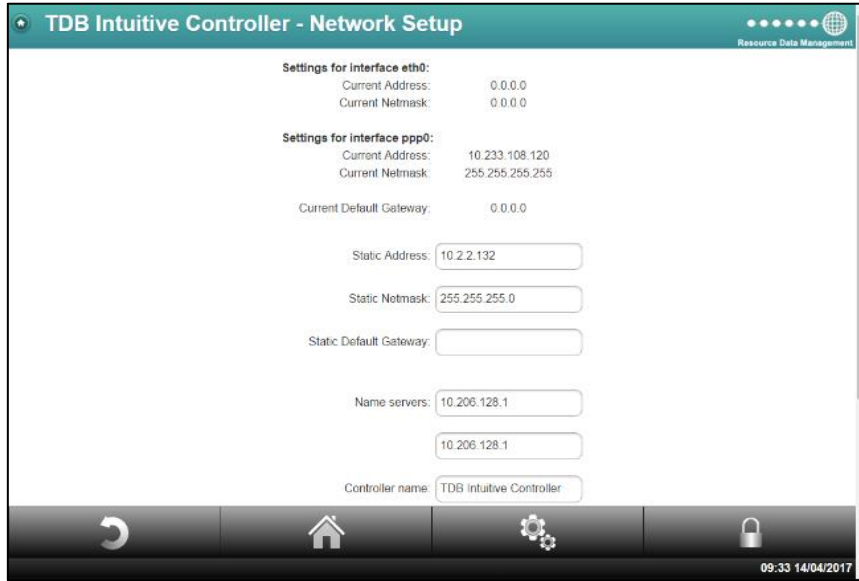


To successfully send data over a network, the APN details need to be inserted. Some networks also require a user name and password. This can be found from the service provider.

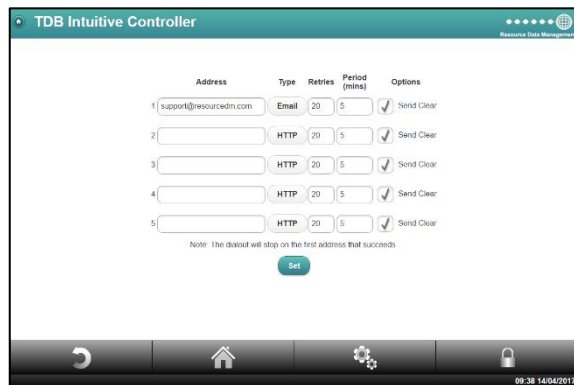
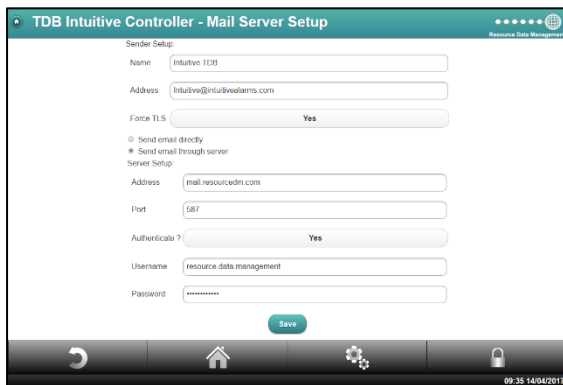


Please ensure all power is switched off before installing or maintaining this product.

Once setup correctly and a signal present, the 3G modem will automatically configure itself. The network setup page will show the IP details given by the network including address, netmask and name servers etc.



Once these details have been populated, the setup is complete. To successfully send alarms via email or URL the mail and alarm setup must be completed;



Please see the Intuitive Plant TDB user guide for more details.



Please ensure all power is switched off before installing or maintaining this product.

Revision History

Date	Version	Update No	Changes
16/12/2014	V1.0	01	First release
20/11/2015	V1.2	01	Added intuitive TDB install details
24/05/2016	V1.2	01	Updated images
16/06/2016	V1.3	01	Updated images
01/09/2016	V1.4	01	New document layout
14/04/2016	V1.5	01	Updated images for intuitive



Please ensure all power is switched off before installing or maintaining this product.

Group Offices

RDM Group Head Office

80 Johnstone Avenue
Hillington Industrial Estate
Glasgow
G52 4NZ
United Kingdom

+44 (0)141 810 2828
support@resourcedm.com

RDM Inc

100 North Sixth Street
Suite 630B
Minneapolis, MN
55403
United States

+1 612 354 3923
usasupport@resourcedm.com

RDM Asia

Sky Park at One City
Jalan USJ 25/1
47650 Subang Jaya
Selangor
Malaysia

+60 3 5115 0061
info@rdmasia.com.my



Visit www.resourcedm.com/support for more information on RDM solutions, additional product documentation and software downloads.

While every effort is made to ensure the information given within this document is accurate, Resource Data Management Ltd shall not be liable for errors or omissions, for incidental or consequential damages, directly or indirectly, in connection with the furnishing, performance or misuse of this product or document. All specifications are subject to change without notice.

See www.resourcedm.com for terms and conditions of sales.

Copyright © Resource Data Management