

MEDECO T21 USER GUIDE

UD0130

22/01/2015

VERSION 1.3

VERSION HISTORY

Version	Date	Who	Description of Changes	Approved By
1.0	14/11/14	AK	Initial version of document	
1.1	12/12/14	AK	Added information on the location of FCC E-Label	
1.2	09/01/15	AK	Removed FCC logo and added additional text for FCC approval.	
1.3	22/01/15	AK	Added section on the keyboard and the extra characters that are selectable in different languages and also a section on the System Impact Alarm.	

CONTENTS

Version History	2
Contents	3
1. Introduction	6
1.1 Summary of T21	6
1.2 Glossary Overview	6
2. T21 Overview	7
2.1 The Touch Screen	7
2.1.1 Screen Saver	7
2.1.2 Touch Commands	7
2.2 Identification	7
3. Using the System	8
3.1 Logging into the system	8
3.2 Removing & retuning Keys	9
3.2.1 Removing Keys	9
3.2.2 Returning Keys	10
3.3 iFob in Wrong Slot	11
3.4 iFobs Status Icons	12
3.4.1 Help	12
3.5 iFob Lookup	13
3.6 Change PIN	14
3.7 Keyboard	15
4. Admin Menu	16
4.1 Keys	16
4.1.1 Adding/Removing Keys	16
4.1.2 Swap Key positions	19
4.2 Users	21
4.2.1 Adding a Standard User	21
4.2.2 Adding an Admin User	23

4.2.3	Edit Users	25
4.2.4	Delete Users.....	27
4.3	Permissions	28
4.4	Help	29
4.4.1	Standard User Help	29
4.4.2	Admin User Help	31
4.5	Reports	37
4.5.1	Who's Got a Key?	37
4.5.2	Who's Had a Key?	38
4.5.3	What Keys Has Someone Had?	40
4.5.4	System Events	42
4.5.5	Exporting Reports	44
4.6	Import.....	46
4.6.1	Entering details into the Spreadseet.....	46
4.6.2	FAQ's	47
4.6.3	Importing the Information to T21.....	48
4.7	Export	50
4.8	General.....	52
4.9	Time.....	53
4.10	Setup Wizard	54
5.	Replacing iFobs	57
6.	System Impact Alarm.....	58
6.1	System Events Report	58
7.	T21 Technical Details	59
7.1	System Size.....	59
7.2	System Weight	59
7.3	Power details.....	59
8.	Backup Battery.....	60
8.1	Battery Specification	60
8.2	Battery Connection Code	60

8.3 Battery Installation..... 61

9. How to remove keys in a power failure..... 63

10. Regulatory notices 65

10.1 Declaration of Conformity..... 65

10.2 FCC Compliance..... 66

10.2.1 Information in the T21 Application 66

10.3 Industry Canada 67

11. Technical Support 67

1. INTRODUCTION

This User Guide has been prepared to assist you (the end user) with the operating basics of the T21. Please keep this guide handy for those times when you need to remember how to Add Users, Add Keys or run Reports.

1.1 SUMMARY OF T21

T21's innovative plug and play system provides small to medium size businesses with the very latest in intelligent key management.

Simple, efficient and cost-effective, T21 helps trace and account for every key or keyset, which are individually locked in place, ensuring that critical business operations are never jeopardised.

1.2 GLOSSARY OVERVIEW

System – The term 'System' refers to the T21 unit.



iFob – The iFob is the heart of the T21 system. It contains a small RFID chip which allows the system to identify the key(s) attached.



Security Seal – The Security Seal is used to attach the key(s) to the iFob. Once the seal has been crimped, the only way to detach the keys from the iFob is to cut the security seal using a pair of heavy duty cutters.



Users – Users are added to the system by an administrator and can either be a standard user or another administrator. This is done from the user wizard in the admin section of the T21.



Permissions – The permissions section of the T21 allows you to easily identify who has access to what keys and allows you to edit each user's permission.



2. T21 OVERVIEW

The T21 system uses touch screen technology for an easy, user friendly interface. T21 does not require the use of a stylus or any other navigation device, to use the system simply click on the desired buttons with your finger.

2.1 THE TOUCH SCREEN

2.1.1 SCREEN SAVER



If the T21 system is not active for 30 seconds, then the system will go into 'power save' mode. To use the system again simply press anywhere on the touch screen.

2.1.2 TOUCH COMMANDS



Click – Selecting an onscreen button then immediately releasing will activate it.

Click & Hold – Selecting and holding certain directional buttons will cycle through menus and various options.

Scroll – Swiping up and down on a list or menu in will scroll through.

2.2 IDENTIFICATION

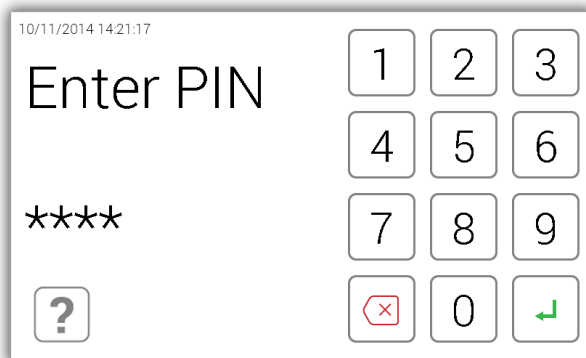
The T1 is a PIN only entry system. The minimum PIN length must be at least four digits long, and the maximum length is ten digits.


3. USING THE SYSTEM

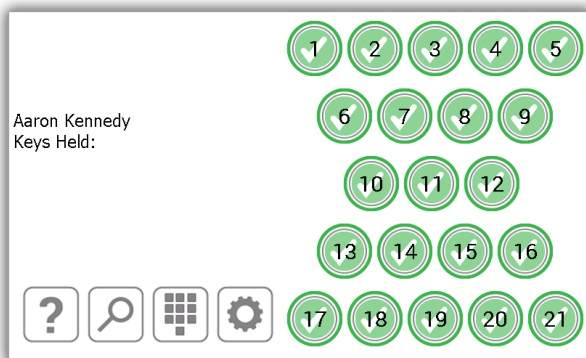
To use T21 a user with the correct credentials must login at the system.

3.1 LOGGING INTO THE SYSTEM

1. Touch the screen to bring the system out of power save mode.
2. Enter your PIN.



3. Press  (enter) to confirm your PIN.
4. The door will then open allowing you access to the keys.
5. Verify your name on the touch screen.



3.2 REMOVING & RETUNING KEYS

3.2.1 REMOVING KEYS

Removing a key is a **one handed operation**.

1. **Enter** your PIN at the system.
2. The door will open.
3. **Authorised** iFob slots will be illuminated **green**.
Unauthorised iFob slots will be illuminted **red**.
4. **Press** the on screen button for the iFob you wish to remove.
5. **Wait** for the “click” (unlocking iFob).
6. **Remove** iFob.



3.2.2 RETURNING KEYS

You **must** return the key to the correct receptor slot.

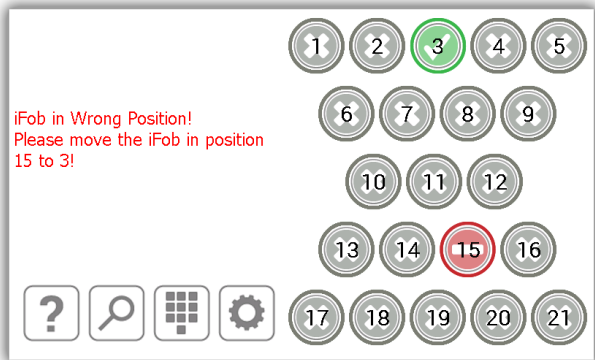
1. **Enter** your PIN at the system.
2. The door will open.
3. **Positions illuminated Orange** indicate the iFobs held by the current user.
4. **Insert** iFob into matching receptor slot.

NOTE: If you return the iFob to the incorrect slot, the touch screen will notify you and request that you remove the key and return it to the correct slot as indicated. The positions in the system will also illuminate and guide you to the correct position.



3.3 IFOB IN WRONG SLOT

When an iFob is returned to the incorrect position the system will prompt you to remove the iFob from the incorrect position and return it to the correct position.



In addition to the touch screen giving you instructions, the receptor positions will illuminate and guide you to the correct slot as shown below.



NOTE: This is a configurable option that can be selected on or off for all users in the general settings of T21. Please view section 4.8 for more details.

3.4 IFOBS STATUS ICONS

Please see below descriptions of each iFob status in the T21 system.



The green circle with a white tick symbol indicates that the user has access to the iFob.



The red circle with a white line shows that the user does not have access to the iFob.



The orange circle with a white tick indicates that the iFob is out of the system to the currently logged in user.



The grey circle with a white cross shows that the iFob is out of the system to another user.

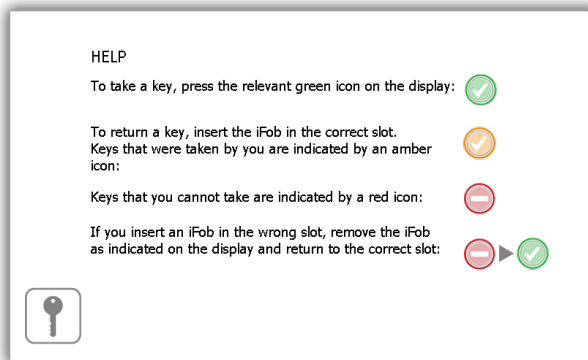
3.4.1 HELP

Whilst a user is logged in they can click the help button for information on the iFob stats and at what point they can take a key.

1. Click the help button from the logged in screen



2. The help screen will then appear giving details on which iFobs a user can or can't take.




3. To get back to the logged in screen click the keys button

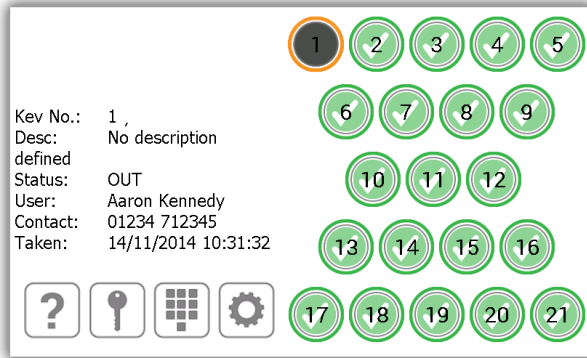


3.5 IFOB LOOKUP

When a user is logged in they can click the search icon and look up the details of an iFob.

1. Click the search button from the logged in screen 

2. Select which key you wish to search for.



The search will detail the following information...


- The position of the iFob
- Any description assigned to the key(s) on the iFob
- Whether the iFob is in or out of the system
- If the iFob is out of the system, this will display the user who currently has the iFob. If the iFob is in, this will display the user who last returned it.
- The users contact information
- And the date & time it was last taken or returned.

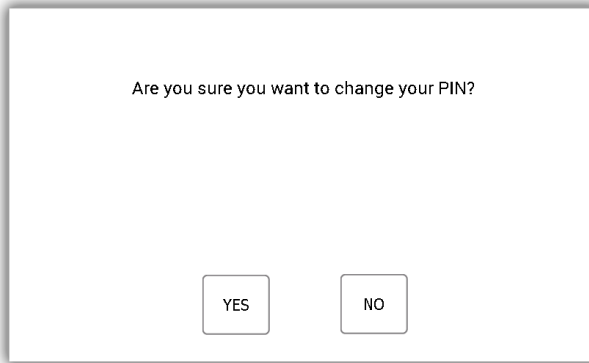
3. To search again, simply select another iFob position.

4. When you are finished click the keys button  and you will be taken back to the logged in screen.

3.6 CHANGE PIN

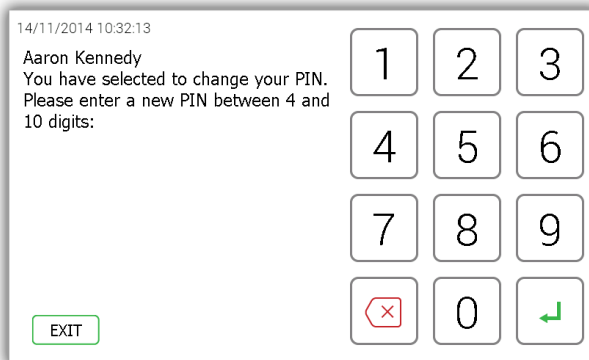
A user can change their PIN by selecting the change PIN button once they have logged in.

1. Click the change PIN icon from the logged in screen 
2. A message will appear asking if you wish to change your PIN. Click Yes.

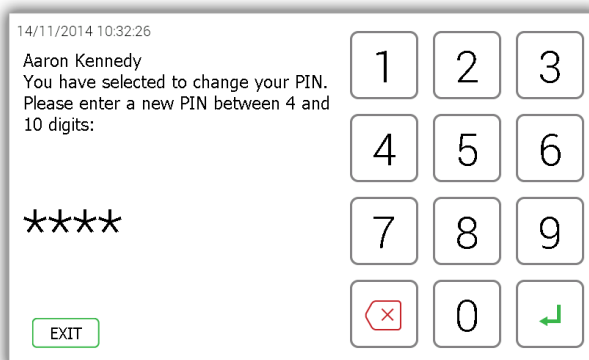


3. Enter your new PIN and click enter .

NOTE: your PIN must be at least four digits long but can be no longer than ten.



4. You will be prompted to enter your new PIN a second time for clarification. Click enter .

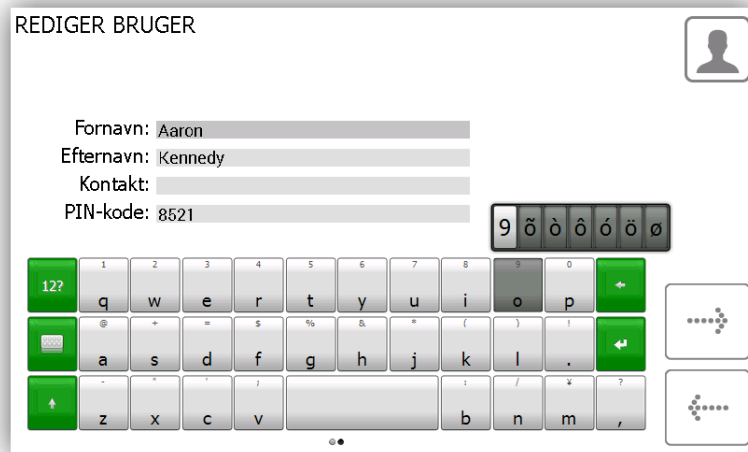


5. A message will be displayed stating your PIN change was successful. You will then be taken back to the login screen.

3.7 KEYBOARD

The T21 keyboard supports extra characters that are selectable depending on the language your system is set too. To show these special characters, you will need to hold down the similar key on the keyboard and it will provide you with a list of special characters to choose from.

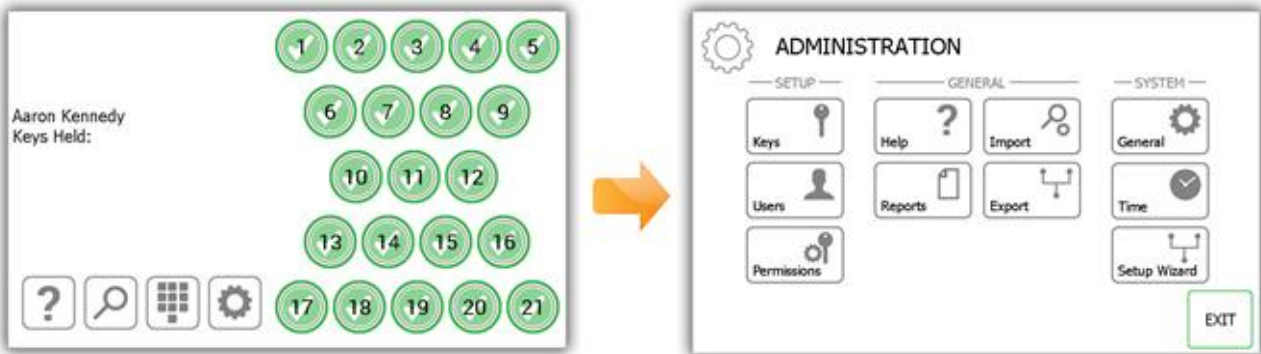
E.g. To get the Danish character “ø” your system would need to be set to Danish, you would then need to hold down the “O” key and choose a character from the list pop up list.



To change your systems language, please refer to the [General settings](#) section.

4. ADMIN MENU

This section of the user guide will take you through the admin menu and all of its features. To access the admin menu, a user with admin access will need to identify themselves at the system and select the admin button.

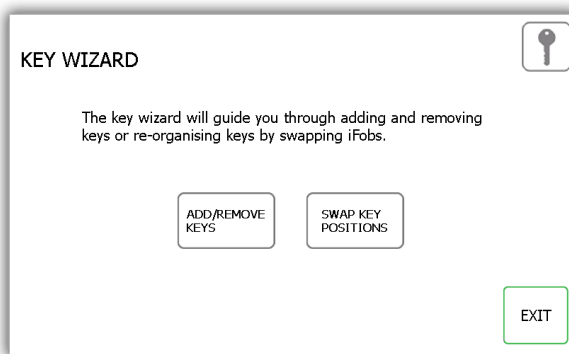


4.1 KEYS

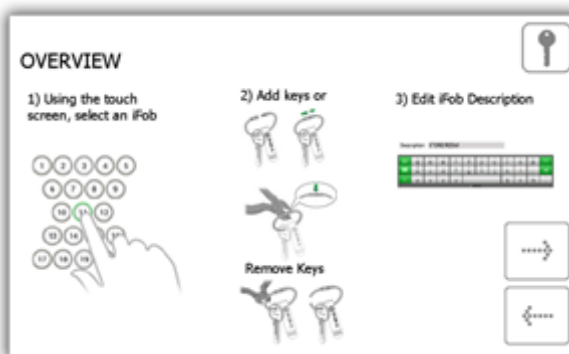
From the admin menu select the Keys button. The key wizard will allow you to add/remove keys to iFobs in the system. You can also use the feature swap key positions, which allow you to reorganise the keys in the system.

4.1.1 ADDING/REMOVING KEYS

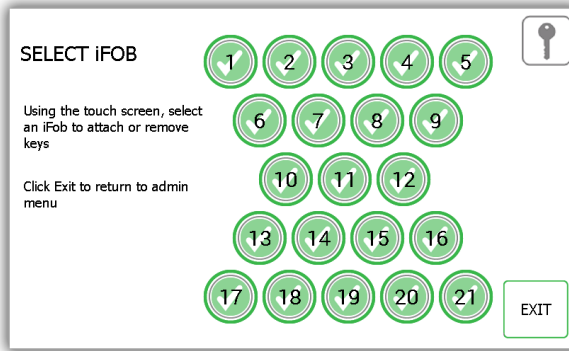
1. Select the Add/Remove Keys button from the key wizard menu.



2. The overview screen will appear providing you instructions on how to add keys to an iFob. Read these instructions and click the forward button.



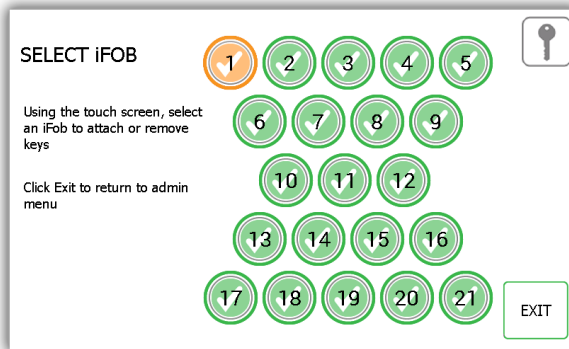
3. Select the desired iFob using the touch screen.



4. The iFob will then be released from the system.

NOTE: If at any time you wish to exit the Key Wizard, close the door or select the Exit button.

5. Remove the iFob from the system. The touch screen will display an orange 'removed' icon for the iFob you have taken.



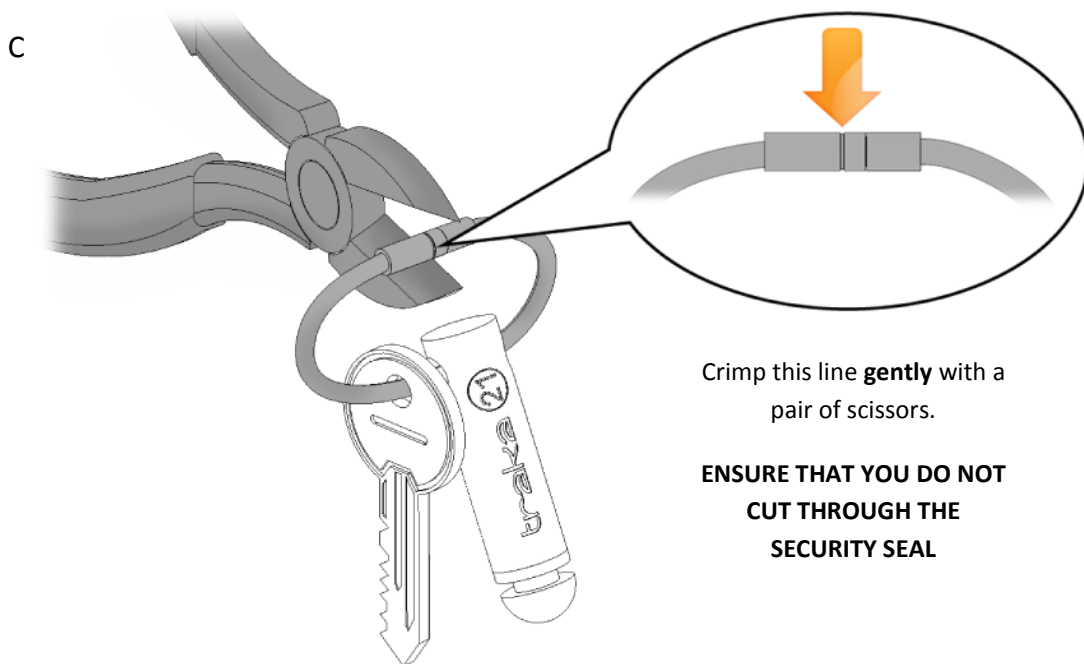
6. Now the iFob is out of the system, you can attach your key(s) using the provided Security Seal.



Put your key(s) onto the security seal with the iFob.



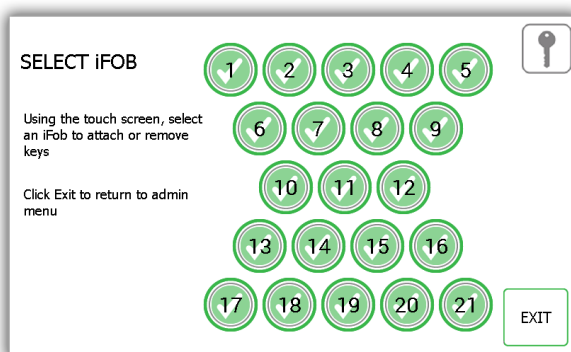
Push the seal together.



7. You will be prompted to enter a description for the key(s). Click save when you have finished.



8. When you have finished, return the iFob to the system. The orange 'removed' icon will now become green again as you have returned it to the system.



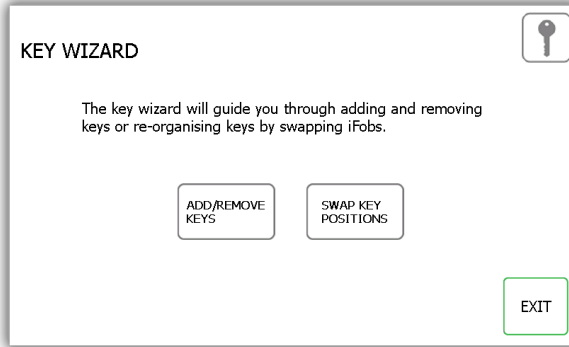
9. To add more keys to an iFob, simply select another iFob from the touch screen.

10. When you are finished adding keys, click the exit button to be taken back to the admin menu or close the door.

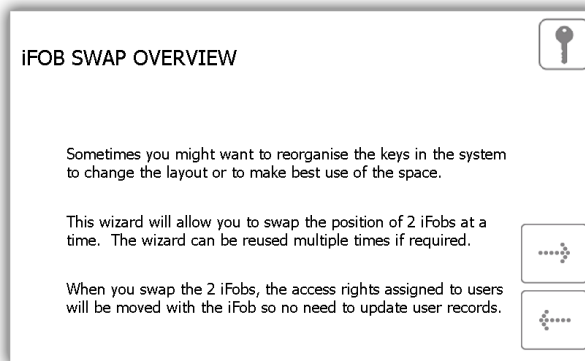
4.1.2 SWAP KEY POSITIONS

The swap key positions feature is very beneficial if you wish to reorganise the keys in the system. Using the swap key feature, you won't need to cut or re-crimp any security seals; the system will reassign the iFobs to new positions.

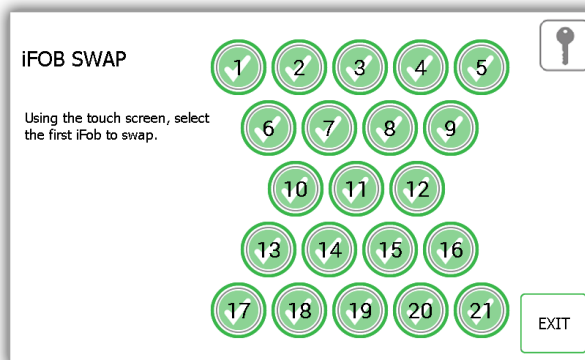
1. Select the Swap Key Positions button from the key wizard menu.



2. The swap key overview will then appear giving you a description of how the feature works. Read this and click the forward arrow.

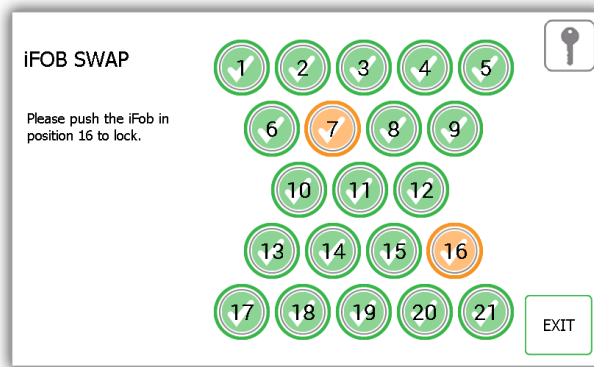


3. Select the first of the two positions you want to swap over.

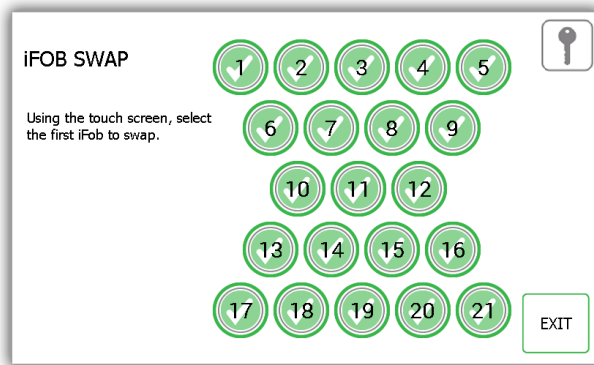


4. The iFob will then release to you. Put it safely to one side.

5. Select the second iFob and it will release from the system.



6. Now that both iFobs are out of the system, you can return them to the system in their new positions.
7. The system will recognise the swap and will accept both iFobs.



8. To swap more Fobs simply begin this process again from step 3.
9. When you are finished click the exit button to return to the admin menu or close the door.

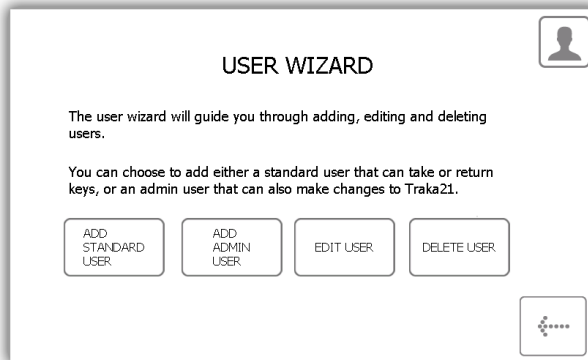
4.2 USERS

From the admin menu click the user's button. To add, edit or delete a user, login to the system and navigate to the admin menu. From the admin menu select the user's button.

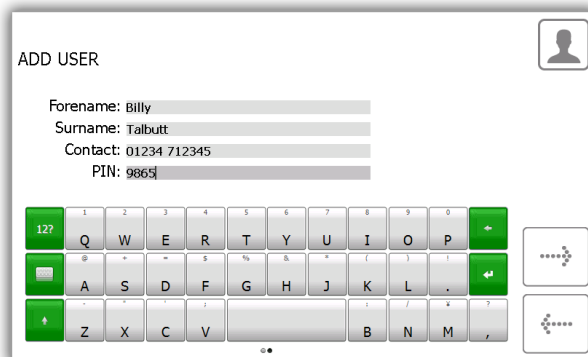
4.2.1 ADDING A STANDARD USER

A standard user does not have access to the admin menu or any reports. This user will only be able to remove and return keys. When the User Wizard appears you will have many options to choose from.

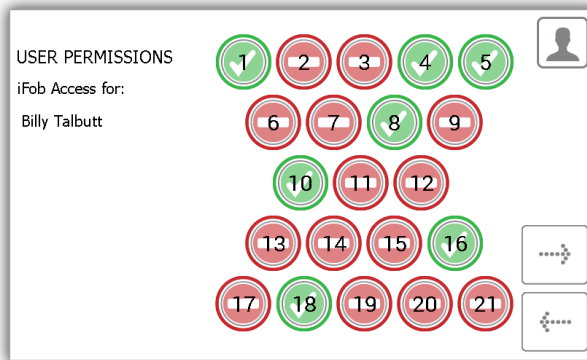
1. Select the Add Standard User button.



2. The user details window will appear allowing you to enter the user's forename, surname, contact number and PIN. Enter the details and click the forward button.

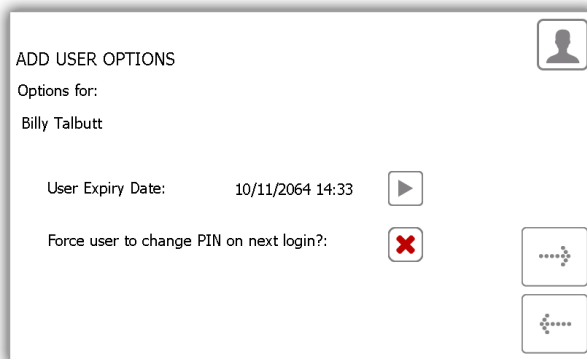


- **Contact** – This field is for a phone number, fax number, email or any means of contact that the user is reachable by.
 - **PIN** – The PIN (personal identification number) is the numeric password that will grant you access into the system. It must be between four and ten digits long.
3. Next you will need to select the user's permissions. Using the touch screen simply select which iFobs the user will have access too. The green circles with white ticks show positions the user currently has access to. To remove access, simply click the button to turn it to a red circle with a white line. When you have finished click the forward button.



4. At the options page you can set the following...

- User Expiry Date – Here you can set the date and time the users profile expires and becomes inactive at the system.
- Force user to change PIN on next login? – enabling this option will force the user to change their PIN when they next attempt to log onto the system.



Select the appropriate features and click the forward arrow.

5. The user wizard is now complete. A message will appear stating that you have successfully added a user.



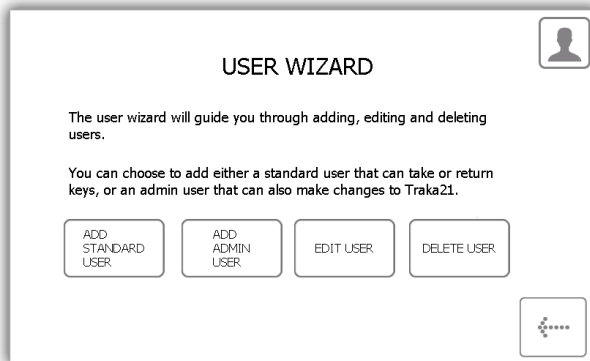
6. If you want to add more users click yes and you will be taken to a new user details screen. Follow steps 2-5 again.

7. If you are finished and do not want to add any more users click no and you will be taken back to the Admin menu. From there click exit again to return to the login screen.

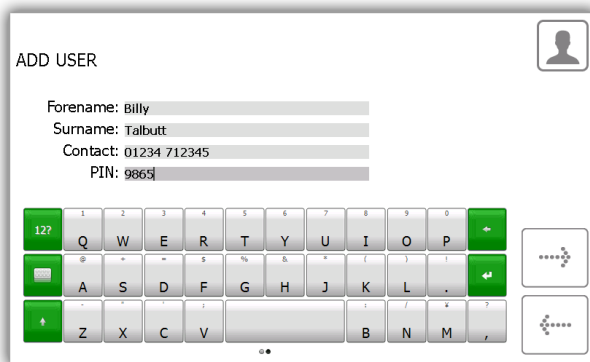
4.2.2 ADDING AN ADMIN USER

An admin user can remove and return keys as well as access the admin menu and run reports.

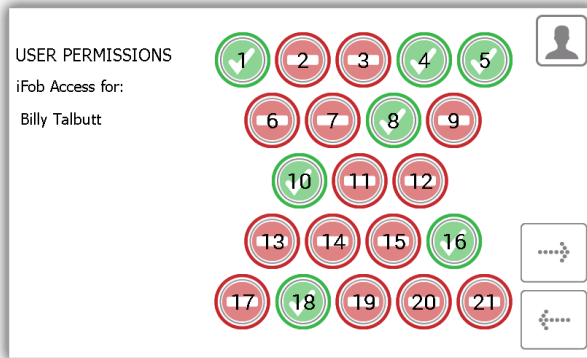
1. Select the Add Admin User button.



2. The user details window will appear allowing you to enter the user's forename, surname, contact number and PIN. Enter the details and click the forward button.



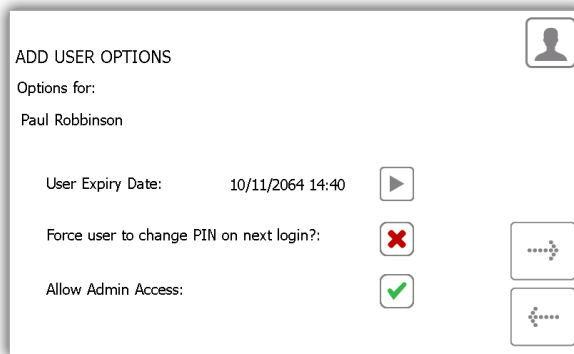
- **Contact** – This field is for a phone number, fax number, email or any means of contact that the user is reachable by.
 - **PIN** – The PIN (personal identification number) is the numeric password that will grant you access into the system. It must be between four and ten digits long.
3. Next you will need to select the user's permissions. Using the touch screen simply select which iFobs the user will have access too. The green circles with white ticks show positions the user currently has access to. To remove access, simply click the button to turn it to a red circle with a white line. When you have finished click the forward button.



At the options page you can set the following...

4.

- User Expiry Date – Here you can set the date and time the users profile expires and becomes inactive at the system.
- Force user to change PIN on next login? – enabling this option will force the user to change their PIN when they next attempt to log onto the system.



Select the appropriate features and click the forward arrow.

5. The user wizard is now complete. A message will appear stating that you have successfully added a user.



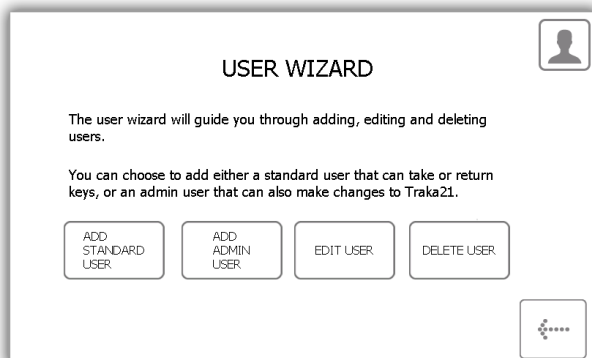
6. If you want to add more users click yes and you will be taken to a new user details screen. Follow steps 2-5 again.

7. If you are finished and do not want to add any more users click no and you will be taken back to the Admin menu. From there click exit again to return to the login screen.

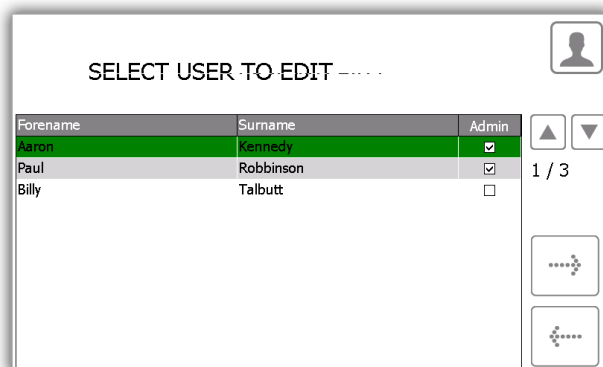
4.2.3 EDIT USERS

You can edit a user's details...

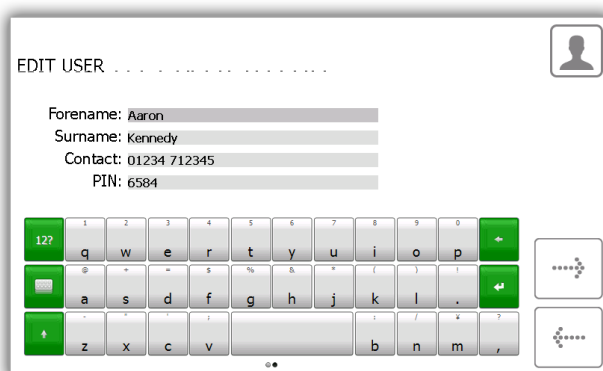
1. Select the Edit User button.



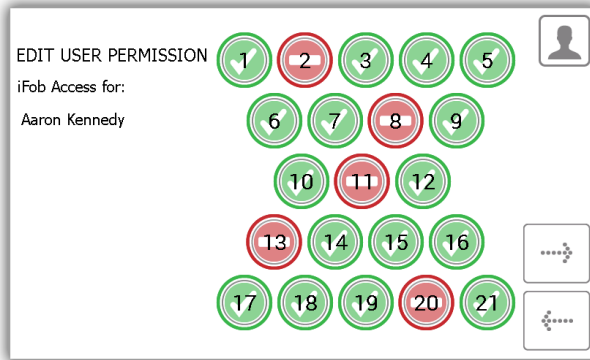
2. The current user list will appear. Highlight the desired user and click the forward button.



3. The user's forename, surname, contact and PIN will then appear. Make any changes you need and click the forward arrow.



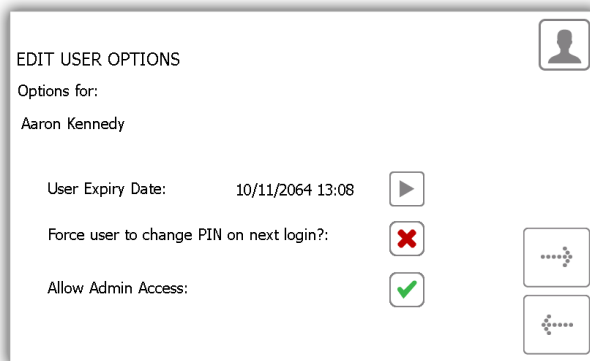
4. Next edit the key permissions by selecting the positions the user may or may not have access to.



5. Next edit the user options. Here you can...

- Change the expiry date of the user.
- Select/deselect the force user to change PIN option.
- Select/deselect Allow admin access option.

Edit the desired options and click the forward button.



6. The edit is now complete. A message will now appear saying you have successfully edited a user.



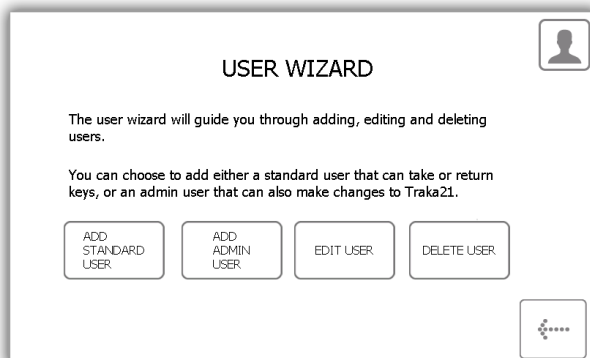
7. If you want to edit more users click yes and you will be taken to the user list. Follow steps 2-5 again.

8. When you are finished, click the exit button to return to the admin menu.

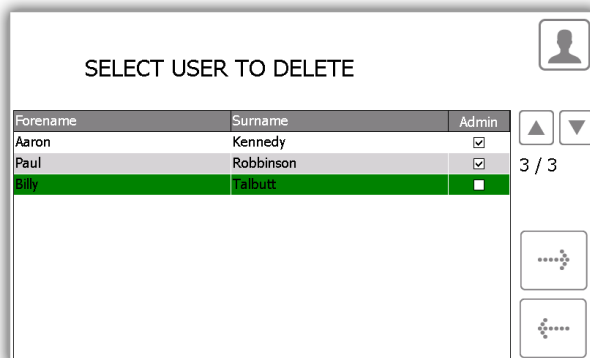
4.2.4 DELETE USERS

You can delete a user from the system...

1. Select the Delete User button.



2. The current user list will appear. Highlight the desired user and click the forward button.



3. A message will appear asking if you wish to delete the user. Click Yes.

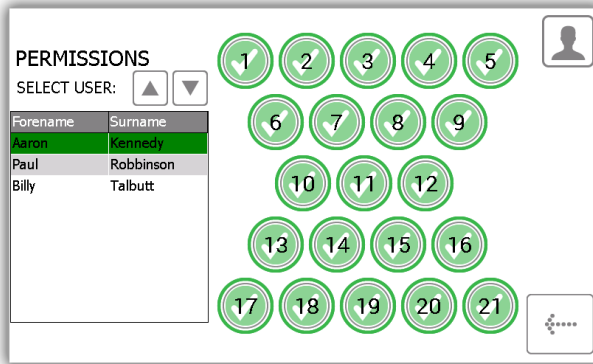


4. The user will now be deleted from the user list.
5. To delete more users repeat steps 2-3.
6. When finished click the back button.

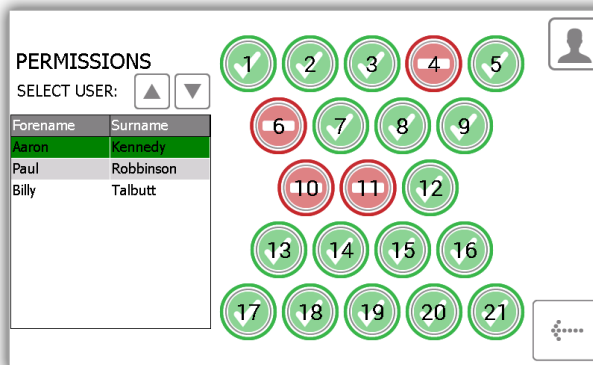
4.3 PERMISSIONS

From the admin menu select the permissions button. The permissions section allows you to view all the current users in the system and grant/revoke their access rights without having to edit their individual user details.

1. From the admin menu select the permission button.
2. From the list on the left, highlight the user whose permissions you wish to edit.



3. Simply select the positions you wish the user to have access to.



4. To edit another user simply scroll down highlight the desired user.
5. To go back to the admin menu click the back button.

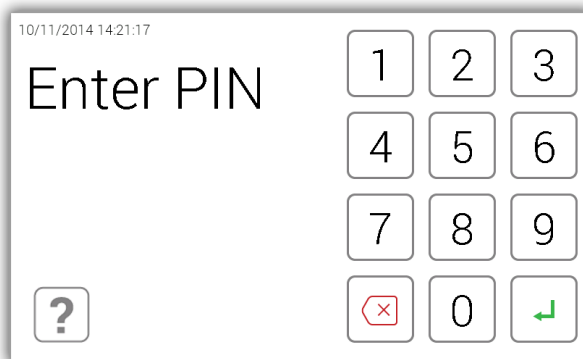
4.4 HELP

The T21 has embedded help topics that will assist you with the everyday tasks of using the system. The help page can be viewed from two locations, the main login screen and the admin menu. Every user will be able to view the help page from the login screen; however it will not have all the topics that are available from the admin menu. This has been done to make it easier for the 'standard users' as they will only be able to view the help topics on actions they can make.

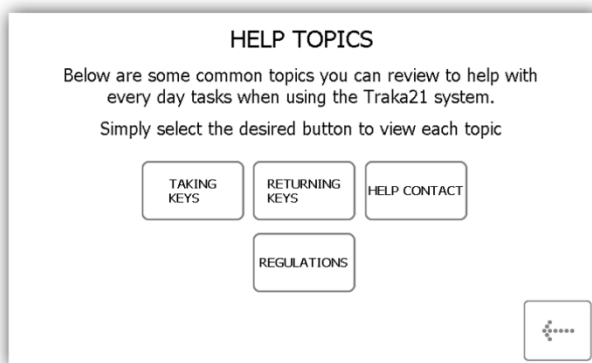
4.4.1 STANDARD USER HELP

A standard user will only have access to the help topics at the login screen of the T21.

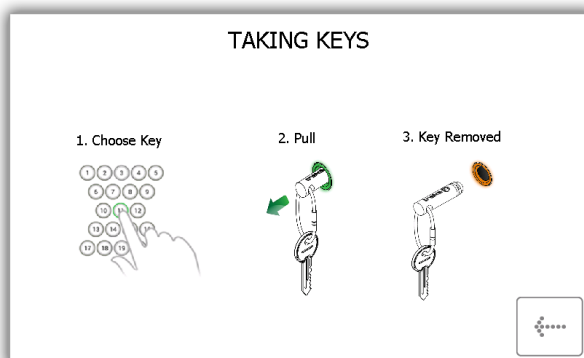
1. From the main login screen select the help button.



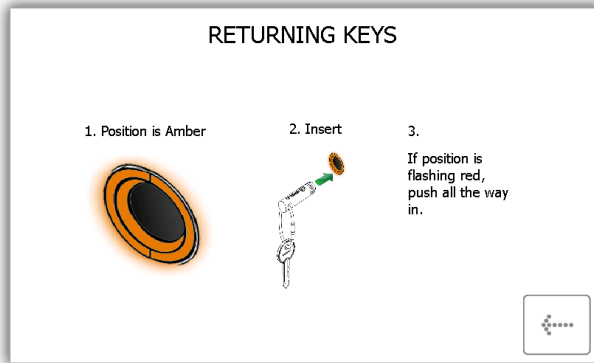
2. When the help screen appears you will have three options to select from.



- **Taking Keys** - Will give you a pictorial overview in three steps on how to remove a key from the system.



- **Returning Keys** - Will give you a pictorial overview in three steps on how to return a key to the system.



- **Help Contact** - Will display contact details if you need technical assistance. The details shown here can be changed by the admin user.



- **Regulations** – This page will give you all the information on the compliances that the T21 adheres to.

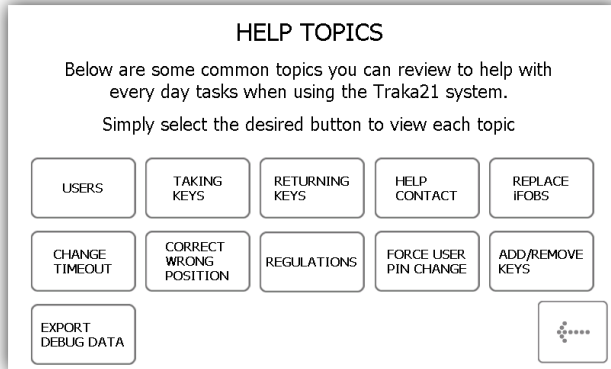


3. Select the desired button to open the topic.
4. To return to the help screen, click the back button.

4.4.2 ADMIN USER HELP

An admin user will be able to see all of the help topics in the system.

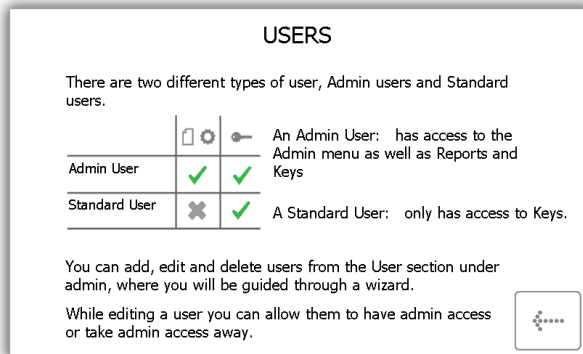
1. From the admin menu select the help button.
2. The full list of help topics will then appear.



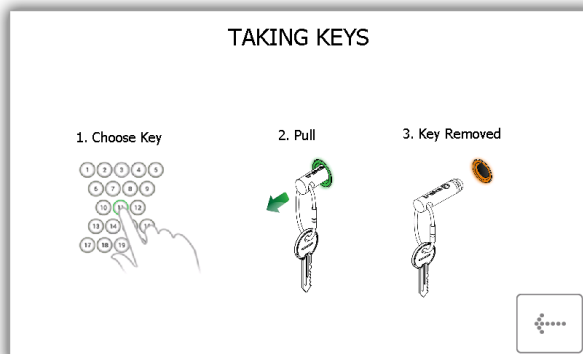
- **Users** - Explains the difference between standard and admin users and the access they each have.

A standard user does not have access to the admin menu or and reports. This user will only be able to remove and return keys.

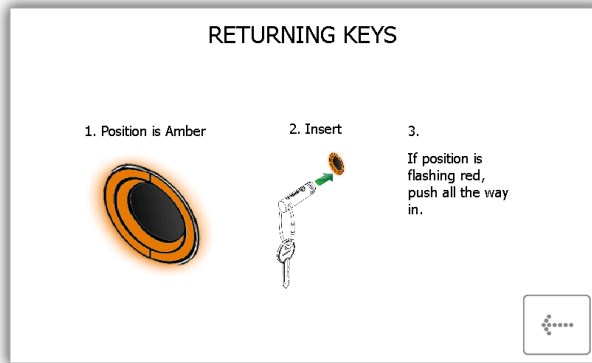
An admin user has access to all aspects of the T21 system, users, keys, admin menu and reports.



- **Taking Keys** - Will give you a pictorial overview on how to remove a key from the system.



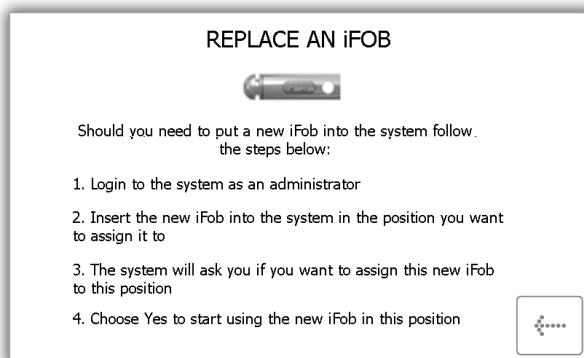
- **Returning Keys** - Will give you a pictorial overview on how to return a key to the system.



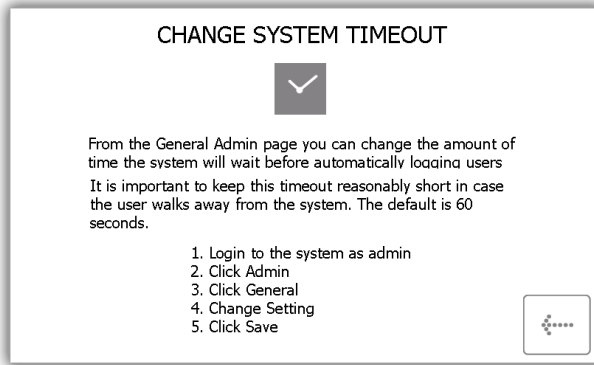
- **Help Contact** – Will allow you to enter new details that change the help section that is displayed to the standard user .



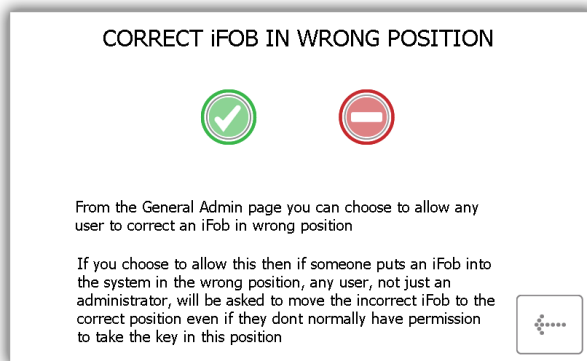
- **Replace iFobs** – How to replace a broken/lost iFob.
 - i) Login to the system as an admin.
 - ii) Insert the new iFob into the position you want to assign it to.
 - iii) The system will ask you if want to assign this new iFob to this position.
 - iv) Choose Yes to start using the new iFob in this position.



- **Change Timeout** – The timeout is a user definable period of time that when reached will send the system into power save mode. This can be changed in the [general settings](#) under the admin menu.



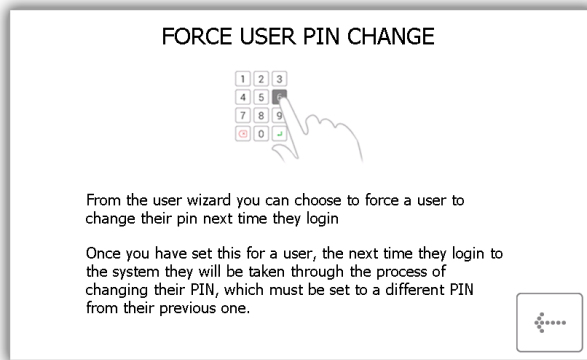
- **Correct Wrong Position** - Explains how you can allow a user to correct an [iFob in Wrong Slot](#). This is definable from the [general section](#).



- **Regulations** – This page will give you all the information on the compliances that the T21 adheres to.



- **Force User to Change PIN** – when [creating](#) or [editing](#) a user, the admin user can select an option called force user to change PIN. This will force that user to change their PIN when they next login.



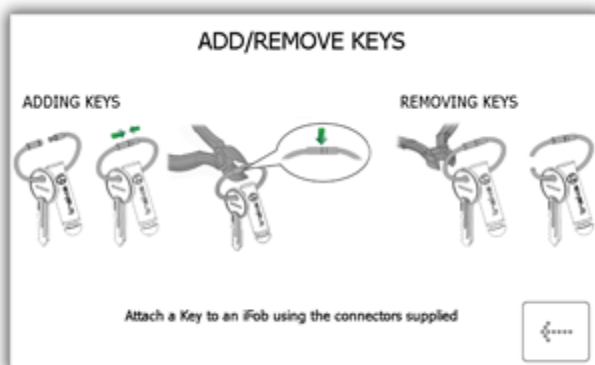
- **Add/Remove Keys** - Will show you how to add/remove keys to security seals.

To add keys

- i) Put you're your key(s) onto the security seal with the iFob.
- ii) Push the seal together
- iii) Crimp this line **gently** with a pair of scissors. **ENSURE THAT YOU DO NOT CUT THROUGH THE SECURITY SEAL.**

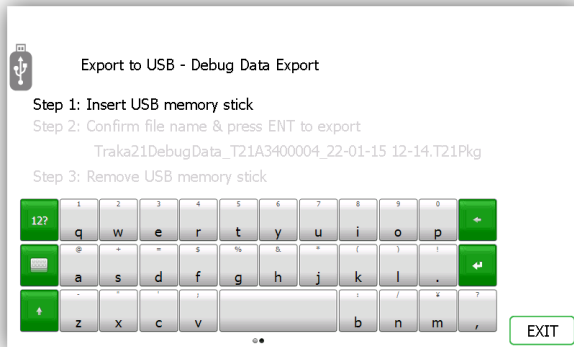
To remove keys

- i) Using a heavy duty cutters, cut the security seal to remove the keys and the iFob.

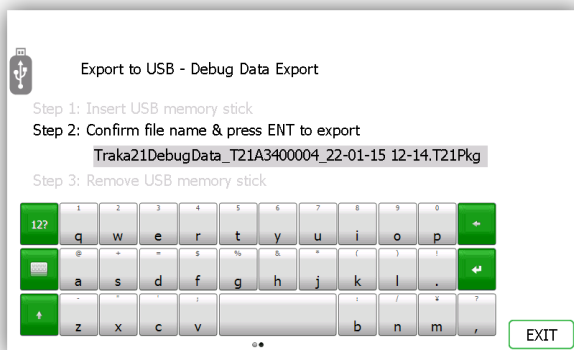


- **Export Debug Data** - Selecting this button will begin a process that exports a zipped debug file to a USB memory stick which you can later send back to Medeco for evaluation.

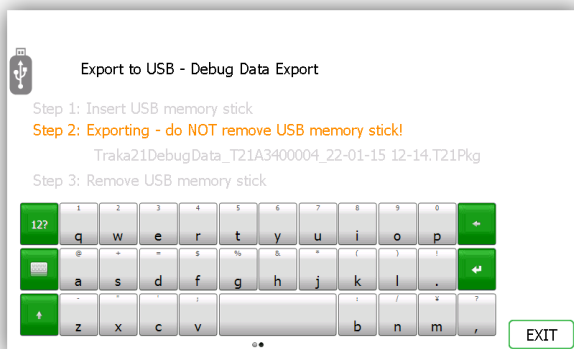
i) The system will immediately prompt you to insert a USB memory stick.



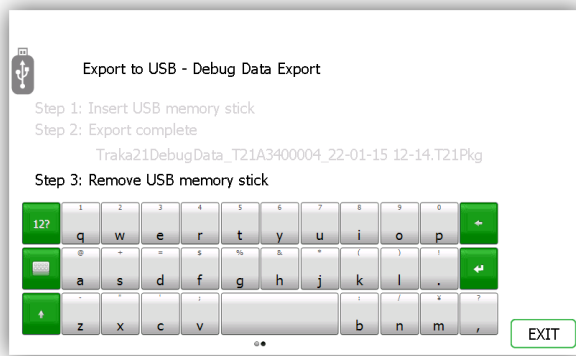
ii) After inserting a USB stick, you can rename the file. Once finished click the enter button.



iii) After inserting a USB stick, you can rename the file. Once finished click the enter button.



iv) When the export is complete you can remove the memory stick



v) The memory stick can now be put into a computer and the .Pkg file can be removed from the USB drive and sent to Medeco for analysis.

3. Select the desired button to open the topic.
4. To return to the help screen, click the back button.

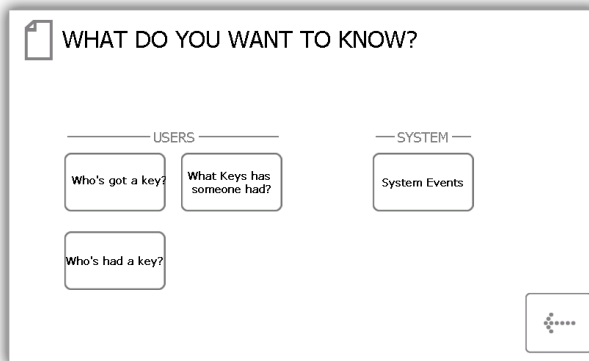
4.5 REPORTS

From the admin menu select the reports button. Reports allow you to view all the transactions and events that have occurred at the system.

4.5.1 WHO'S GOT A KEY?

This report will show you who currently has what keys out of the system.

1. From the admin menu select the reports button.
2. In the Users category, select the 'Who's got a Key?' button.



3. T21 will then generate a list of all the users who currently have any iFob's out of the system.

A screenshot of the "WHO'S GOT A KEY?" report. It displays a table with the following data:

Slot	Description	Current User	Time Taken
1	Reception Keys	Paul Robbinson	13/11/2014 12:22:51
2	Car Park Keys	Aaron Kennedy	13/11/2014 12:22:14
3	Research & Developm	Aaron Kennedy	13/11/2014 12:22:18
4	Forklift Truck	Billy Talbutt	13/11/2014 12:23:13
9	Office Keys	Paul Robbinson	13/11/2014 12:22:42
10	Vehicle Key	Billy Talbutt	13/11/2014 12:23:10
12	Store Room	Aaron Kennedy	13/11/2014 12:22:23
17	Safe Key	Paul Robbinson	13/11/2014 12:22:47

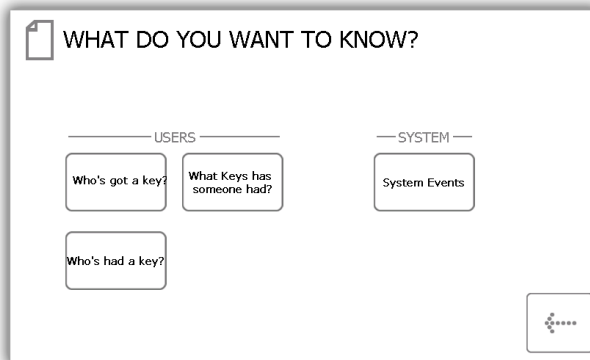
Navigation buttons (left, up, down, right) and "EXPORT" and "EXIT" buttons are visible on the right side of the table.

4. You can export this information to a USB memory stick by clicking the Export button. Please review the Exporting Reports topic at the end of this section for more details.

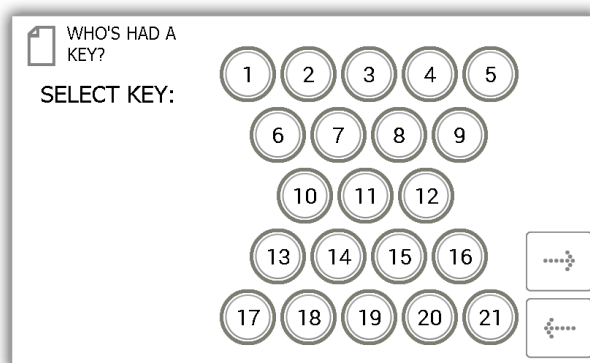
4.5.2 WHO'S HAD A KEY?

This report will allow you to see the history of a particular key, i.e. which users have had it out of the system.

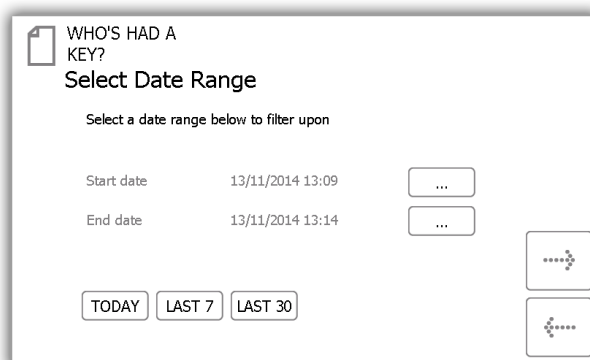
1. From the admin menu select the reports button.
2. In the Users category, select the 'Who's had a Key?' button.



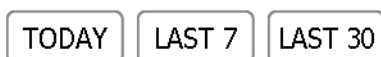
3. Select the key you wish to view the history of and click the forward button.



4. Next you will need to filter your results by selecting a data range. You can manually enter a start and end date or use the pre-set buttons at the bottom to automatically enter the date range for you.



The pre-sets buttons will automatically select the date range for you as follows...



- The **'Today'** button will provide data for selected report beginning at 00:00 of today's date and end at the current time you are running the report.
- The **'Last 7'** button will provide data for the selected report from the last seven days.
- The **'Last 30'** button will provide data for the selected report from the past 30 days.

To manually filter the date range, select the button next to the start or end date.

Start date	13/11/2014 13:09	...
End date	13/11/2014 13:14	...

A scrollable control will now allow you select the exact date and time you wish to run the report on.

SELECT START DATE AND TIME

Date			Time	
Day	Month	Year	Hour	Minute
11	September	2012	11	13
12	October	2013	12	14
13	November	2014	13	15
14	December	2015	14	16
15		2016	15	17

- Once you have selected your desired date range, click the forward button.
- The report will now generate and display the list of users who have removed the selected key with the date range.

NOTE: The key position is noted at the top of the page each time the report is run. E.g. position 1.

WHO'S HAD A KEY? Position: 1
Description: Reception Keys

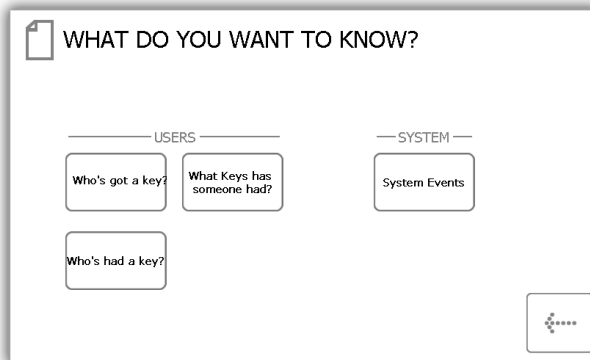
Name	Event	Date/Time
Aaron Kennedy	Item Returned	13/11/2014 12:29:12
Paul Robinson	Item Removed	13/11/2014 12:22:51
Aaron Kennedy	Item Returned	10/11/2014 14:25:18
Aaron Kennedy	Item Returned	10/11/2014 14:25:00
Aaron Kennedy	Item Returned	10/11/2014 14:24:58
Aaron Kennedy	Item Returned	10/11/2014 14:24:58
	Unrecognised Item Returned	10/11/2014 09:04:42

- You can export this information to a USB memory stick if you wish by clicking the Export button. Please review the Exporting Reports topic at the end of this section for more details.

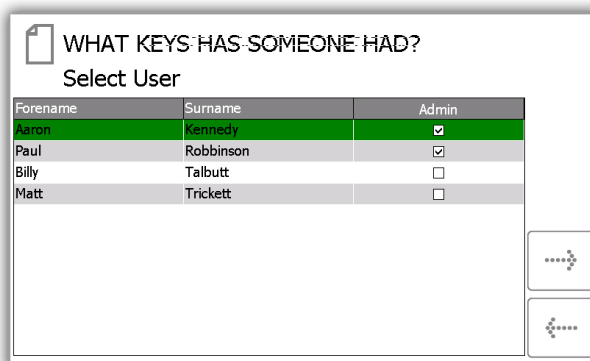
4.5.3 WHAT KEYS HAS SOMEONE HAD?

This report will allow you to see all the keys a particular user has had out of the system.

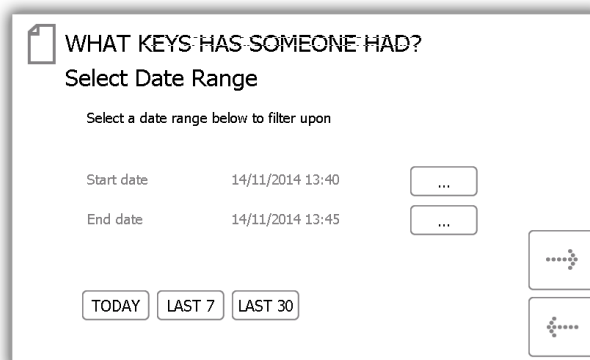
1. From the admin menu select the reports button.
2. In the Users category, select the 'What Keys Has Someone Had?' button.



3. The current user list will then be displayed. Select the desired user and click the forward arrow.



4. Next you will need to filter your results by selecting a data range. You can manually enter a start and end date or use the pre-set buttons at the bottom to automatically enter the date range for you.



The pre-set buttons will automatically select the date range for you as follows...



- The **'Today'** button will provide data for selected report beginning at 00:00 of today's date and end at the current time you are running the report.
- The **'Last 7'** button will provide data for the selected report from the last seven days.
- The **'Last 30'** button will provide data for the selected report from the past 30 days.
- The **'All'** button will provide data for the selected report from 01/01/2010 00:00 to ensure all events and transactions are audited.

To manually filter the date range, select the button next to the start or end date.

Start date 13/11/2014 13:09

End date 13/11/2014 13:14

A scrollable control will now allow you select the exact date and time you wish to run the report on.

SELECT START DATE AND TIME

Date			Time	
Day	Month	Year	Hour	Minute
11	September	2012	11	13
12	October	2013	12	14
13	November	2014	13	15
14	December	2015	14	16
15			15	17

- Once you have selected your desired date range, click the forward button.
- The report will now generate and display all the keys the specified user has removed between the selected date range.

NOTE: The key position is noted at the top of the page each time the report is run. E.g. position 1.

WHAT KEYS HAS SOMEONE HAD?

USER: Aaron Kennedy

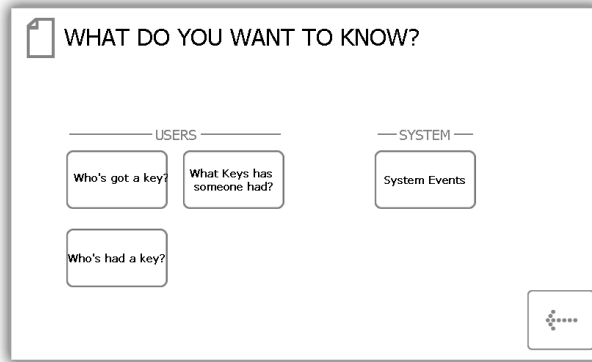
Slot	Description	Event	Date/Time
1	Reception Keys	Item Returned	14/11/2014 10:31:56
1	Reception Keys	Item Removed	14/11/2014 10:31:32
1	Reception Keys	Item Returned	13/11/2014 14:25:41
1	Reception Keys	Item Removed	13/11/2014 14:18:10
10	Vehicle Key	Item Returned	13/11/2014 12:58:35
11	Server Room	Item Returned	13/11/2014 12:58:33
11	Server Room	Item Removed	13/11/2014 12:56:47
10	Vehicle Key	Item Removed	13/11/2014 12:56:42
10	Vehicle Key	Item Returned	13/11/2014 12:46:21
10	Vehicle Key	Item Removed	13/11/2014 12:42:14
10	Vehicle Key	Item Returned	13/11/2014 12:29:29

- You can export this information to a USB memory stick if you wish by clicking the Export button. Please review the Exporting Reports topic at the end of this section for more details.

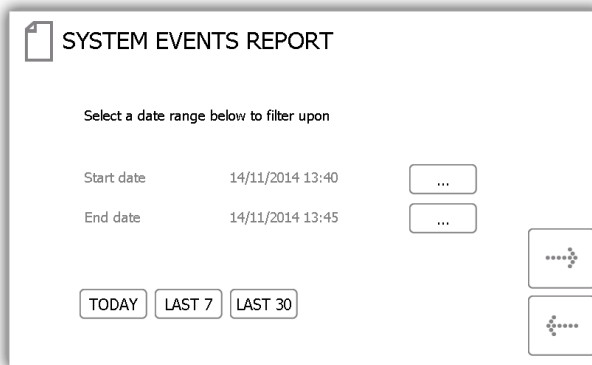
4.5.4 SYSTEM EVENTS

This report will allow you to see all system related events e.g. admin access, reports access, door opened manually etc.

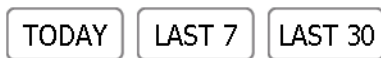
1. From the admin menu select the reports button.
2. In the System category, select the 'System Events' button.



3. Next you will need to filter your results by selecting a data range. You can manually enter a start and end date or use the pre-set buttons at the bottom to automatically enter the date range for you.



The pre-set buttons will automatically select the date range for you as follows...



- The '**Today**' button will provide data for selected report beginning at 00:00 of today's date and end at the current time you are running the report.
- The '**Last 7**' button will provide data for the selected report from the last seven days.
- The '**Last 30**' button will provide data for the selected report from the past 30 days.

To manually filter the date range, select the button next to the start or end date.



A scrollable control will now allow you select the exact date and time you wish to run the report on.

SELECT START DATE AND TIME

Date

Day	Month	Year
11	September	2012
12	October	2013
13	November	2014
14	December	2015
15		2016

Time

Hour	Minute
11	13
12	14
13	15
14	16
15	17

SET CANCEL

- Once you have selected your desired date range, click the forward button.
- The report will now generate and display all the events that have happened at the system between the selected date range. E.g. Report Access, Admin Access, Door Open, Door Closed, USB Inserted etc.

NOTE: The key position is noted at the top of the page each time the report is run. E.g. position 1.

SYSTEM EVENTS REPORT : 07/11/2014 - 14/11/2014

Event	Slot	Date/Time	Name	Description
Reports Access		14/11/2014 13:53:14	Aaron Kennedy	
Reports Access		14/11/2014 13:45:02	Aaron Kennedy	
Admin Access		14/11/2014 13:44:56	Aaron Kennedy	
Reports Access		14/11/2014 12:56:19	Aaron Kennedy	
Admin Access		14/11/2014 12:56:11	Aaron Kennedy	
Reports Access		14/11/2014 12:43:59	Aaron Kennedy	

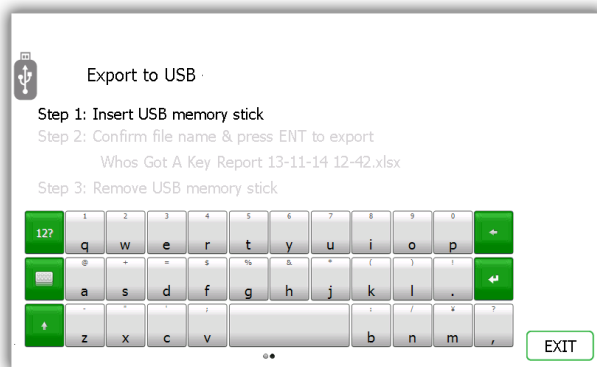
EXPORT
EXIT

- You can export this information to a USB memory stick if you wish by clicking the Export button. Please review the Exporting Reports topic at the end of this section for more details.

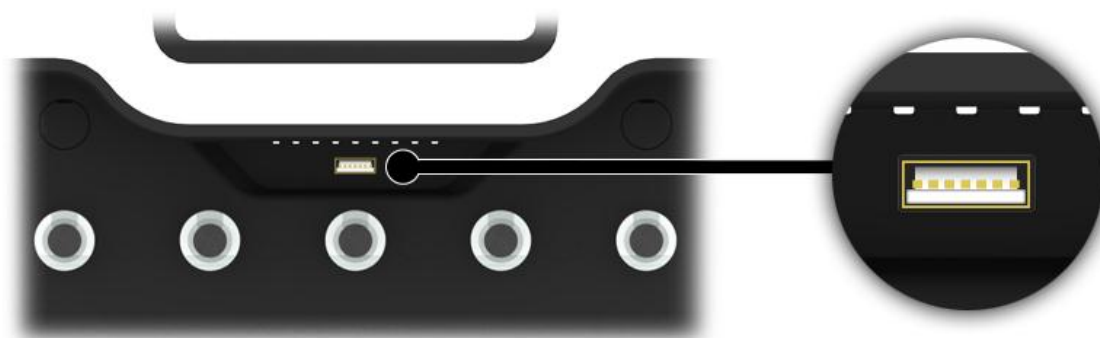
4.5.5 EXPORTING REPORTS

Once you have run a report you can export the data to a USB memory stick.

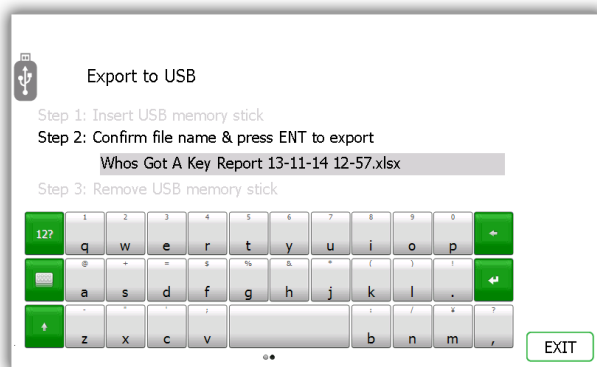
1. Run a report as instructed in the previous sections.
2. On the results page there is a button in the bottom right hand called Export.
3. Click the Export button and a new screen will appear prompting you to enter a USB memory stick.



4. Insert a USB memory stick into the slot on the system.

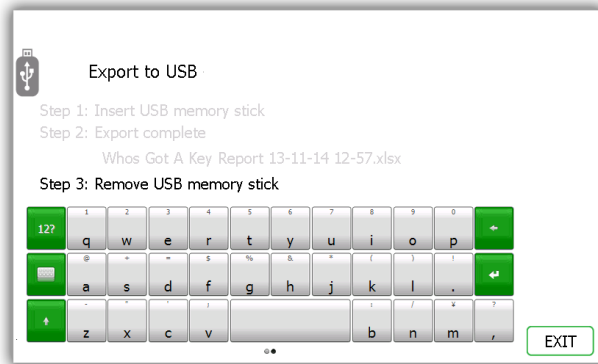


5. Type a filename and select enter  to begin the exporting process.



NOTE: Do not remove the memory stick whilst the data is transferring. You may corrupt or even lose the data.

6. Once the data is finished transferring to the USB memory stick, a message will appear informing you that you can remove it from the system.



7. You can now close the door to finish or click the Exit button to go back to the Reports menu.

4.6 IMPORT

It is possible to export and import users key descriptions and permissions to a USB memory stick from the T21 application. The import feature is useful if you wish to add large lists of users or keys in one go.

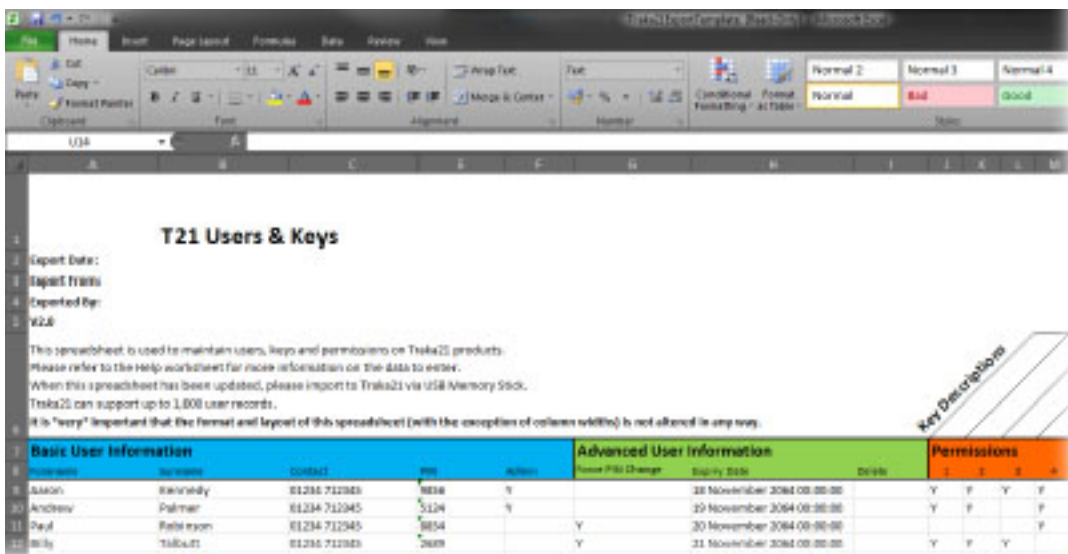
To use the import feature, you would first need to enter all the required user/key details into a T21 Spreadsheet. To obtain the Spreadsheet you can download it at the Medeco website www.medeco.com. Alternatively you can export your current user/key lists and use the Spreadsheet that provides you with. Please review the section 'Export 4.7' for more details.

NOTE: T21 can support up to one thousand (1000) users.

4.6.1 ENTERING DETAILS INTO THE SPREADSEET

This Spreadsheet covers user, key descriptions and permissions details. You don't need to fill in all the information; it's there to be filled in if required.

1. Download or export the Spreadsheet as mentioned above in section 'Export 4.7'.
2. Open the Spreadsheet on a PC.



3. You can enter all the users' details here as well as the systems key details.

User & Security Details

Enter all the relevant information as you usually would. For the admin column simply put a capital 'Y' if the user is to have admin permissions, leave it blank if you wish them to remain a standard user.

Basic User Information					Advanced User Information			Permissions				
Forename	Surname	Contact	PIN	Admin	Force PIN Change	Expiry Date	Delete	1	2	3	4	5
Aaron	Kennedy	01234 712345	9856	Y		18 November 2064 00:00:00		Y	Y	Y	Y	Y
Andrew	Palmer	01234 712345	5124	Y		19 November 2064 00:00:00		Y	Y		Y	Y
Paul	Robinson	01234 712345	8854		Y	20 November 2064 00:00:00					Y	Y
Billy	Talbutt	01234 712345	2689		Y	21 November 2064 00:00:00		Y	Y	Y		

Key Permissions

To grant a user access to a key simply put a 'Y' in the corresponding column. You can also assign a description to a key by double clicking above the desired position and entering a description of your choice.

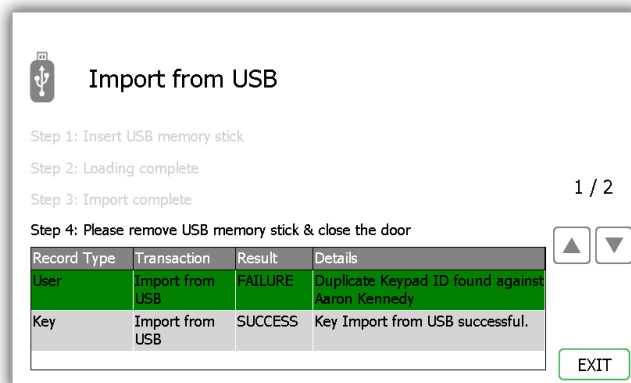
Key Descriptions Car Park Keys	Positions									
	1	2	3	4	5	6	7	8	9	10
	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Y		Y	Y		Y	Y		Y	
	Y			Y	Y			Y		Y
	Y			Y	Y			Y		Y

- When finished save the Spreadsheet onto a memory stick.

4.6.2 FAQ'S

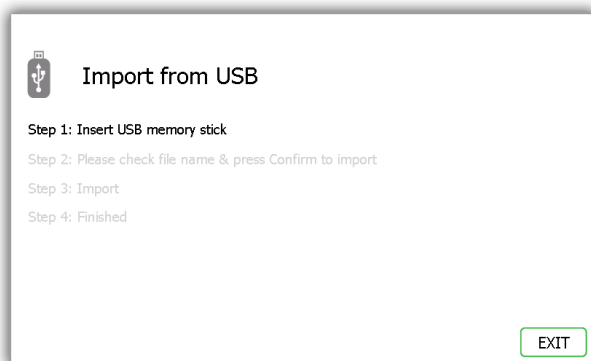
Overwriting Users – When you enter a user's details into the Spreadsheet and that user already exists in the T21, the user credentials from the Spreadsheet will be taken as the most recent edits and will overwrite the systems information.

Duplicate PIN's – If a user being imported has the same PIN as a user that already exists in the system, the import will fail. The user that already exists in the system will be kept and the attempted import user will be rejected.

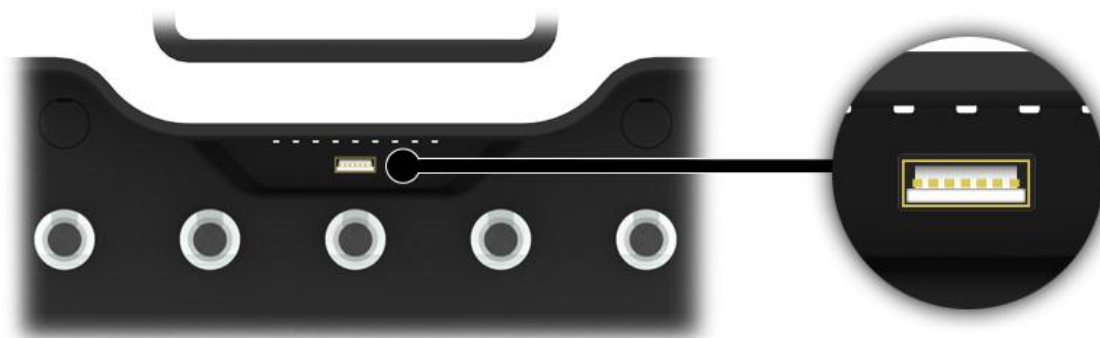


4.6.3 IMPORTING THE INFORMATION TO T21

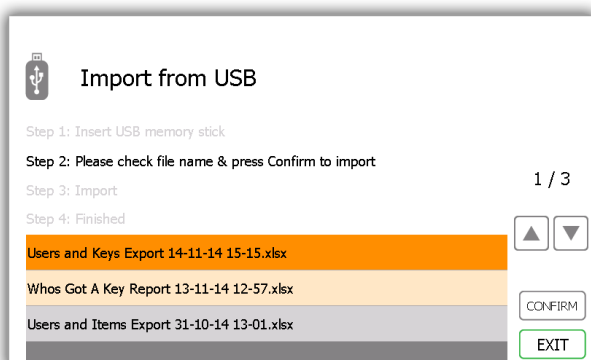
1. Navigate to the admin menu and select the import button.



2. Insert the USB stick into the system.

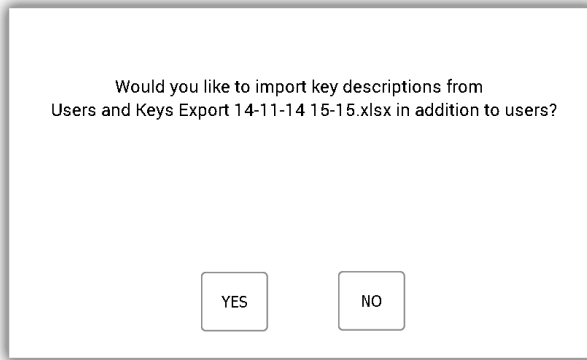


3. T21 will display a list of compatible files on the USB stick and prompt you to select one. Make your selection and click confirm.

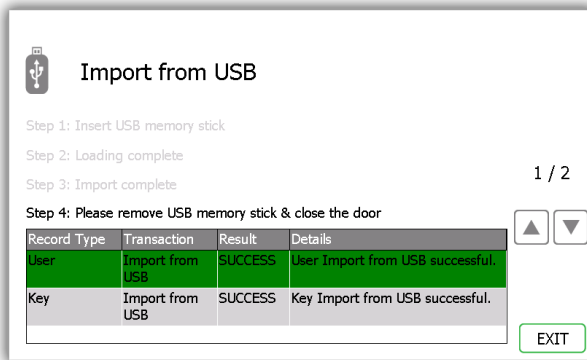


4. The system will ask if you would like to import the new data into the system. Click Yes.

NOTE: This will overwrite any information in the system.



- Once complete the table will display the records that were imported and if it was a success. All the new users/key details will now be in the T21 system. You can now remove the USB memory stick.

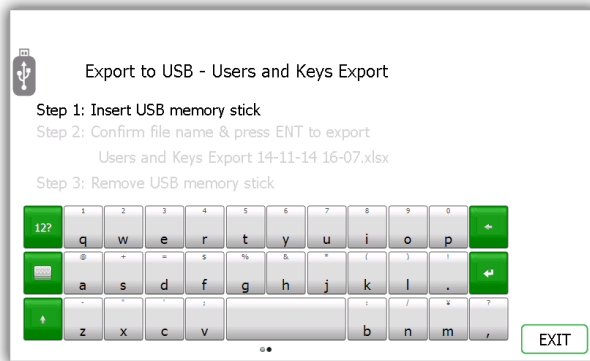


- Click the exit button to go back to the admin menu. From there click exit again to be taken back to the login screen.

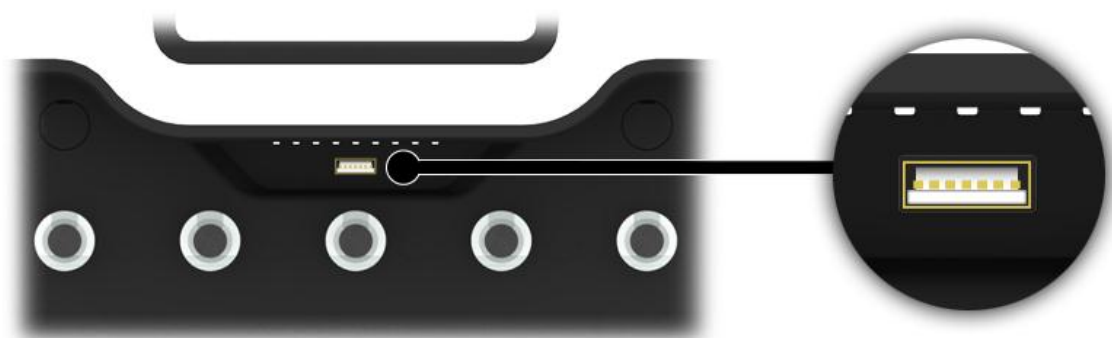
4.7 EXPORT

It is possible to export and import users to a USB memory stick from the T21 application. When using the export feature, T21 it will export the current user and key details to a Spreadsheet on a USB memory Stick. The Spreadsheet can then be updated and imported to update the system.

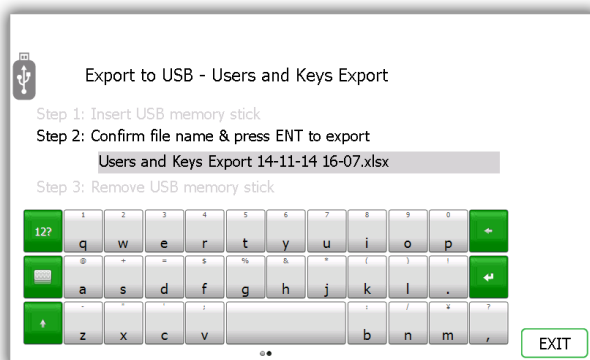
1. Navigate to the admin menu and select the export button.



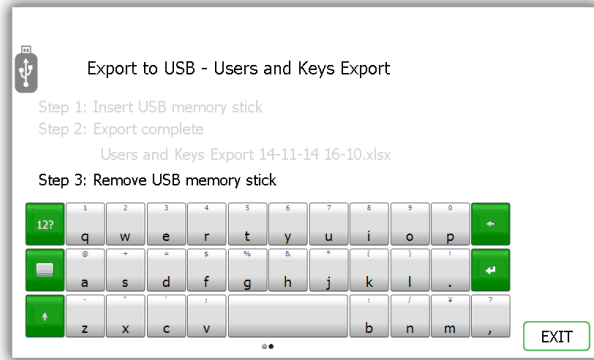
2. Insert the USB stick into the system.



3. Type a filename and select enter  to begin the exporting process.



- Once the exporting process has finished you can remove the USB stick.

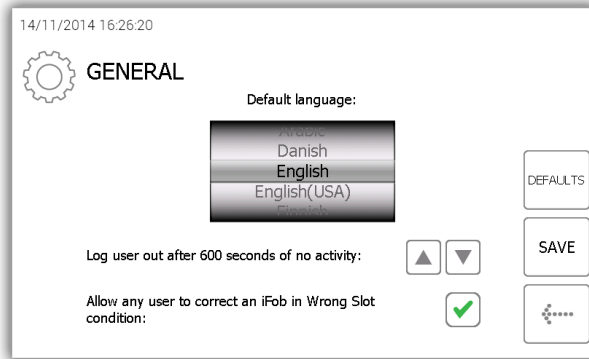


- Click the exit button to go back to the admin menu, from there click exit again to be taken back to the login screen.

4.8 GENERAL

The general screen allows you to set three common settings of the system, the default language, system log out time and iFob in wrong slot condition.

1. From the admin menu select the general button.



2. From here you can select the following options.

Default language

Simply scroll through to find the desired language.

Log user out after xx or no activity

This feature allows you to define the amount of time it takes for the system to log the user out after no activity. Using the directional arrows select the appropriate time in increments of 1 second.

Allow any user to correct an iFob in Wrong Slot

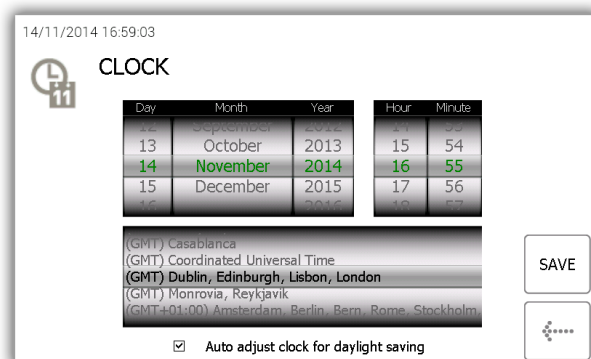
iFob in wrong slot condition – By default this option is enabled which means if an iFob is in the wrong position, any user, not just an administrator, will be asked to move the incorrect iFob to the correct position even if they don't normally have permission to take the key.

3. Click the save button.
4. To set your system back to the default setting click the default button.
5. When finished click the back button to go back to the admin menu. From there click the exit button to go back to the login screen.

4.9 TIME

Here you can set the date and time of the system.

1. From the admin menu select the time button.



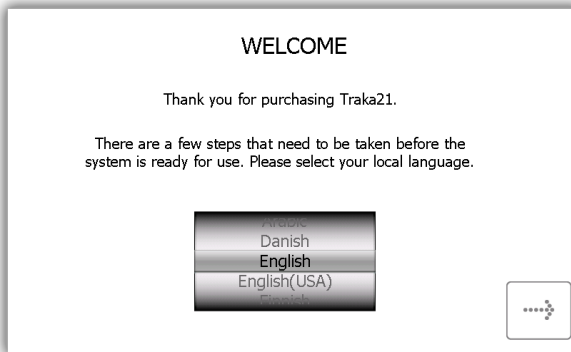
2. To change the date and time simply scroll through the menus and click the save button to keep you changes.
3. When you have finished, click the back button to go to the admin menu. From there click exit to return to the login screen.

4.10 SETUP WIZARD

From the admin menu select the setup wizard. The setup wizard option will mimic the initial setup that occurred when the T21 was first switched on. It will allow you to reselect the language and the date & time of the system. It will also show you all of the information screens you saw when you setting up the system originally.

NOTE: you will not be able to add an admin user in this setup wizard.

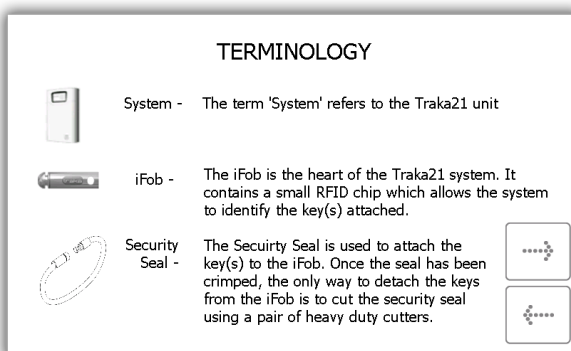
1. From the admin menu click the Setup Wizard button.



2. Next reselect the date, time & time zone and click the forward button.




3. The next two pages are a breakdown of T21 terminology. Read this page and click the forward button.





4. Read the second terminology page and click the forward button.

TERMINOLOGY




Users - Users are added to the system by an Administrator and can either be a standard user or another administrator. This is done from the user wizard in the Admin section of Traka21





Permissions - The Permissions section of the Traka21 allows you to easily identify who has access to what keys and allows you to edit each users permissions



5. This page explains the difference between standard and admin users. Read this page and click the forward button.

USERS IN MORE DETAIL


There are two different types of user, Admin users and Standard users.


	Admin	Keys
Admin User	✓	✓
Standard User	✗	✓

An Admin User: has access to the Admin menu as well as Reports and Keys

A Standard User: only has access to Keys.

Traka21 must have at least one admin user in the system. The next screen will allow you to create your first admin user








6. The basic setup is now complete. This window will give instructions on what you need to do next. Read this then click the forward button.


BASIC SETUP COMPLETE

WHATS NEXT?

Keys  Identify what keys you want to put into the system

Users  Identify who will use the system

Permissions  Identify who will have access to what



7. The final page of the setup wizard will show how to login to the system and navigate to the administration menu. Click the forward button to begin.

NEXT STEPS

To add keys, users and permissions ...

1. Enter your PIN at the login screen



2. Click the Admin icon to get to the Admin screen



3. From the Admin screen you can choose to setup Keys, Users and Permissions

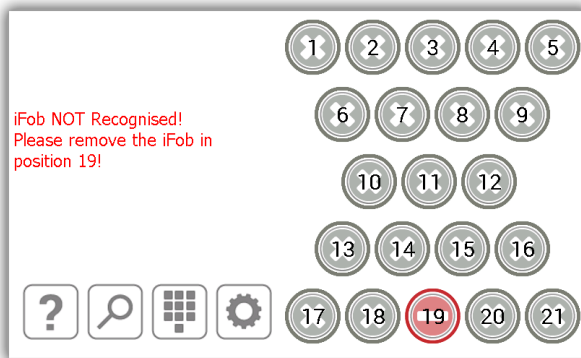


5. REPLACING IFOBS

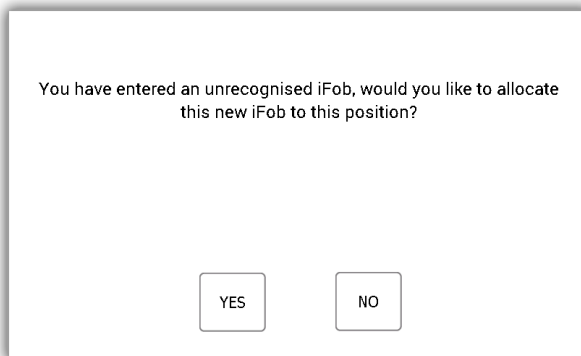
If the need to replace an iFob should arise i.e. an iFob has been broken or lost, you should follow the steps below to replace the old iFob with a new one.

NOTE: As the T21 is provided with 21 iFobs you will need to order more iFobs from Medeco or your distributor/supplier.

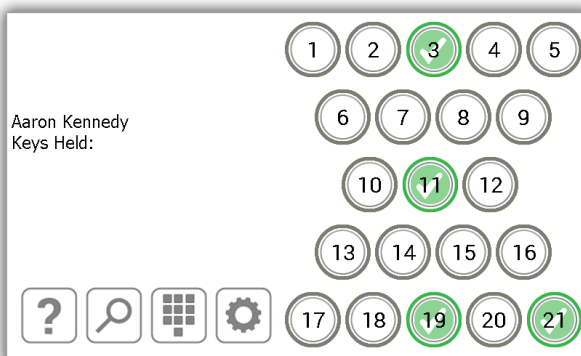
1. An administrator will need to login to the system.
2. Insert the new iFob into the position you want to assign it to.



3. The system will ask if you want to assign this new iFob to the position.



4. Click Yes, and the iFob will immediately become usable.



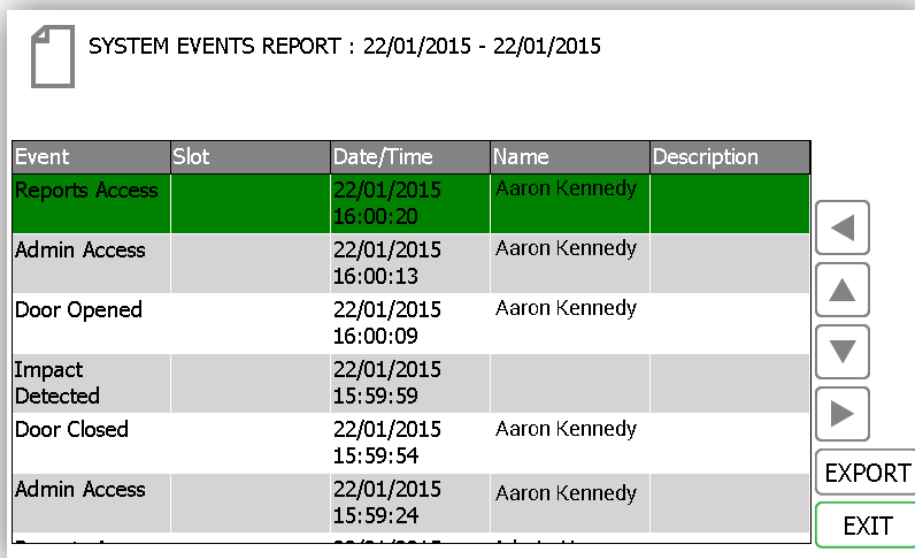
6. SYSTEM IMPACT ALARM

The T21 has a built in alarm system that will automatically sound when the system detects an impact. This alarm will last for two minutes before it stops on its own. It can only be deactivated before the two minutes are up when a user with valid log in credentials access the system.

6.1 SYSTEM EVENTS REPORT

Once an impact is detected the system will record a system event.

1. To view this report log into the system as an administrator.
2. Select the Admin button.
3. Select the Reports button.
4. From here click the System Events button.
5. Please review the [System Events topic](#) for details on how to run this particular report.
6. Once the report has been generated you will notice an event named Impact Detected.



SYSTEM EVENTS REPORT : 22/01/2015 - 22/01/2015

Event	Slot	Date/Time	Name	Description
Reports Access		22/01/2015 16:00:20	Aaron Kennedy	
Admin Access		22/01/2015 16:00:13	Aaron Kennedy	
Door Opened		22/01/2015 16:00:09	Aaron Kennedy	
Impact Detected		22/01/2015 15:59:59		
Door Closed		22/01/2015 15:59:54	Aaron Kennedy	
Admin Access		22/01/2015 15:59:24	Aaron Kennedy	

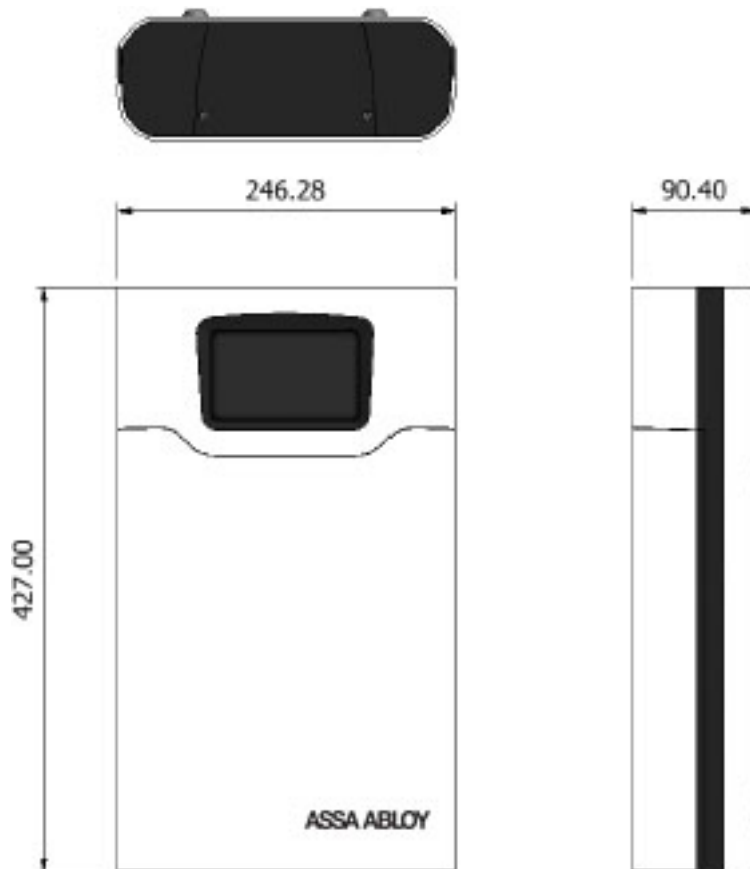
Navigation controls: Left arrow, Up arrow, Down arrow, Right arrow, EXPORT, EXIT

7. T21 TECHNICAL DETAILS

7.1 SYSTEM SIZE

Please see below a list and diagram of the T21's height, width and depth.

- Height – 427.00mm
- Width – 246.28mm
- Depth – 90.40mm



7.2 SYSTEM WEIGHT

T21 with iFobs (without keys or optional battery) is 3.94Kg. Optional battery is an additional 0.63 Kg

7.3 POWER DETAILS

T21 uses a 15 ~ 24W AC-DC Single Output power supply. Please see the technical details below.

- Input – 100-240VAC, 50-60Hz, 0.7A
- Output – 15V $\overline{\text{---}}$ 1.6A
- Safety Standards – UL60950-1, CSA C22.2, TUV EN60950 -1, CCC GB4943 approved

8. BACKUP BATTERY

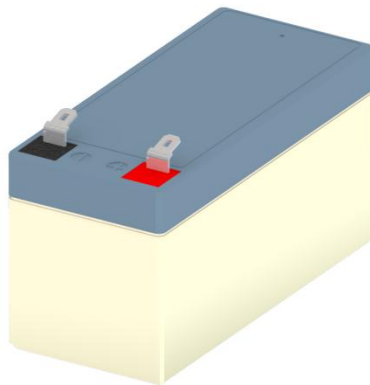
An optional battery backup is available through Medeco for the T21.

8.1 BATTERY SPECIFICATION

The backup battery is kept charged by the system when running from the mains so that it is ready to be used should there be a power failure.

The service life of the battery is typically 5 years. Should the battery require replacing then it is important that it is replaced with the correct type! The battery can be sourced directly from Medeco – the following battery is recommended:

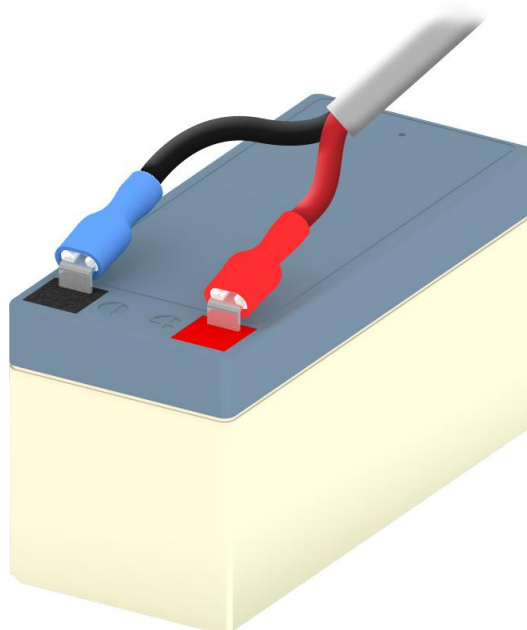
- YUASA NP1-.2-12 12V, 1.2AH Valve Regulated Lead Acid Battery.



8.2 BATTERY CONNECTION CODE

Connect the **Red Connector** to the **Red Battery Terminal** (indicated with the + symbol)

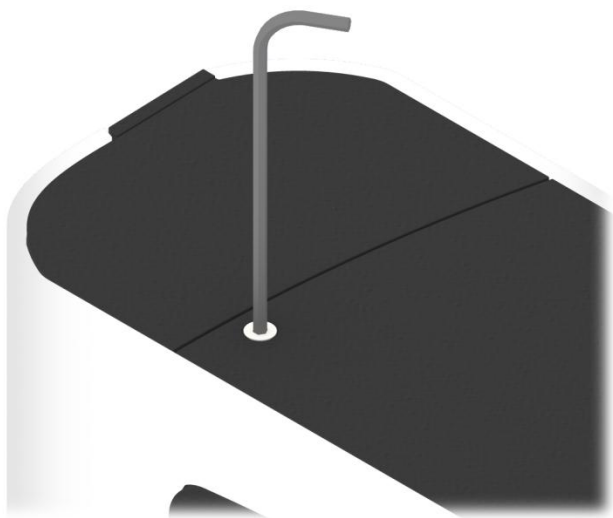
Connect the **Blue Connector** to the **Black Battery Terminal** (indicated with the – symbol)



8.3 BATTERY INSTALLATION

To install the battery you will need to remove the top panel of the system.

1. Unscrew the cover plate using a 2mm Allen Key.



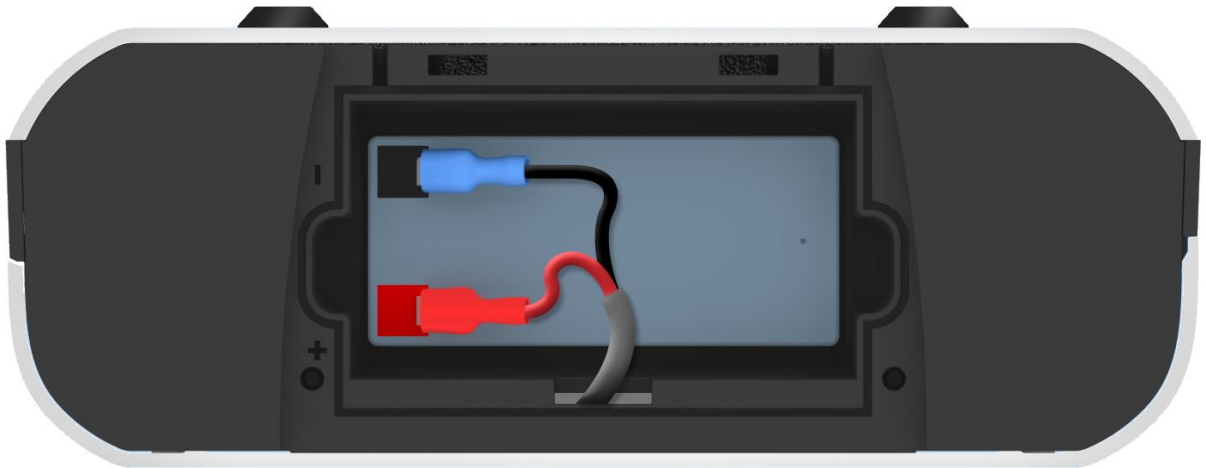
2. Remove the cover plate and screws.



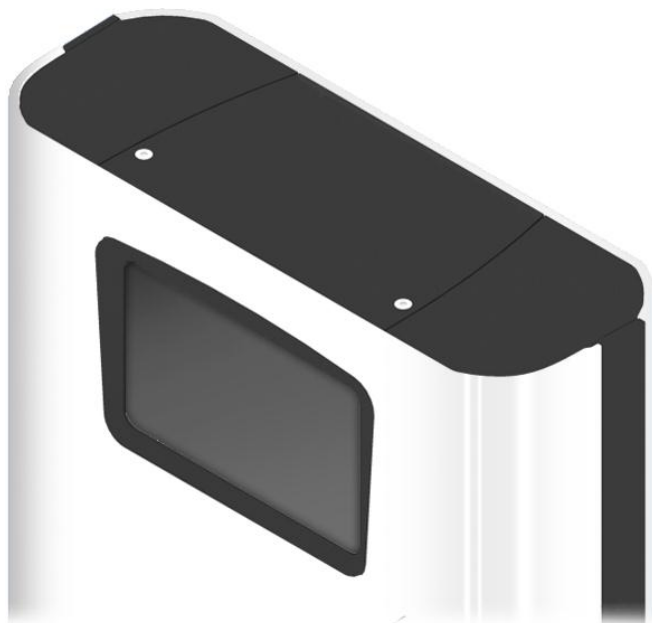
3. Place the battery inside the compartment. Inside the system, embedded into the material are + and – symbols to help you properly orientate the battery correctly. The red terminal of the battery should face the + and the black terminal should face the –.



4. Connect the battery to the battery cable. Use the connection code in the section above for guidance.



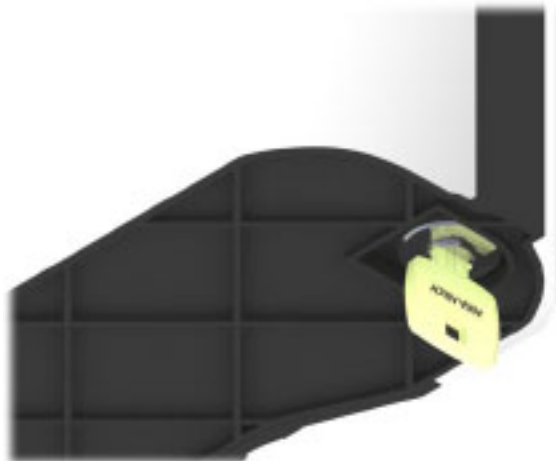
5. Replace the cover and screws using the 2mm Allen Key.



9. HOW TO REMOVE KEYS IN A POWER FAILURE

If there should be a power failure and your system does not have a battery. You will need to manually access and remove the keys.

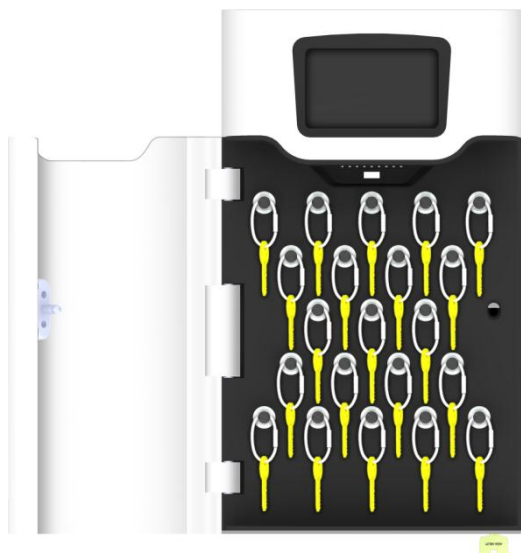
1. Insert the override key into the bottom of the system.



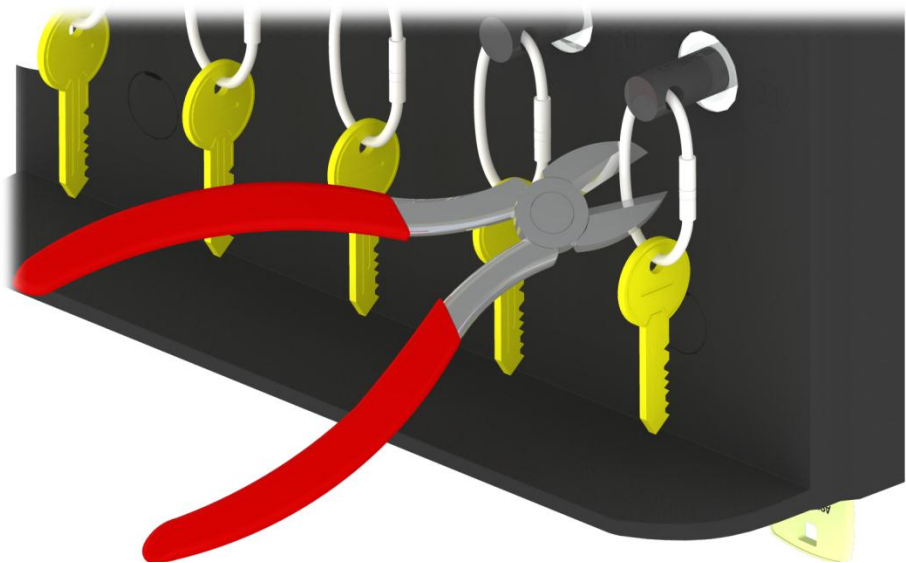
2. Turn the key 90° counter clockwise.



3. The door will now open, granting you access to the keys.



4. Using a pair of heavy duty cutters, you will need to cut the security seals for the keys you require.



5. Remove the Keys from the security seal.

10. REGULATORY NOTICES

10.1 DECLARATION OF CONFORMITY

WE

Traka
30 Stilebrook Road
Olney
Bucks
MK46 5EA
UK



DECLARE UNDER OUR SOLE RESPONSIBILITY THAT THE PRODUCTS

Traka21

TO WHICH THIS DECLARATION RELATES IS IN CONFORMITY WITH THE FOLLOWING STANDARD(S) OR OTHER
NORMATIVE DOCUMENT(S)

IEC/UL/EN 60950-1	Safety Testing
EN 301 489-1/3	EMC Testing
EN 302 291	RFID Testing
FCC 47CFR Part 15B / IC RSS-GEN (ICES-003)	Radiated & Conducted Emissions
FCC 47CFR Part 15.225 / IC RSS-210	RFID Testing

Restriction of Certain Hazardous Substances (RoHS)

(WHERE APPLICABLE) FOLLOWING THE PROVISIONS OF DIRECTIVES
R&TTE 1999/5/EC, 2006/95/EC and 2002/95/EC.

PLACE OF ISSUE: UK
DATE OF ISSUE: WIP

Signed:-

A handwritten signature in blue ink, appearing to read 'Duncan Winner', written over a horizontal line.

Duncan Winner
Technical Director
Traka

10.2 FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modification not expressly approved by the manufacturer could void user's authority to operate the equipment.


NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

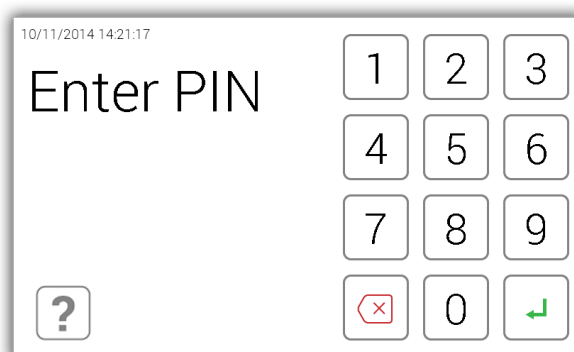
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC ID: 2ADNX-KC10156
Model: KC-1-0156

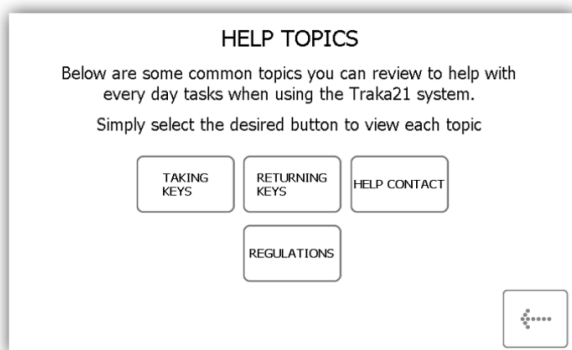
10.2.1 INFORMATION IN THE T21 APPLICATION

FCC regulatory information may be accessed directly on the product by viewing the appropriate help topic. Any user can access this information by selecting the help button from the login screen.

1. If the touch screen is black then the system is in power save mode. Simply touch the screen to 'wake the system up'
2. From the login screen select the help button 



- At the help screen there are four options to choose from, select the Regulations button.



- You will be taken to the FCC compliance page. If you require more information please visit www.medeco.com.



10.3 INDUSTRY CANADA

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

IC: 12543A-KC10156
Model: KC-1-0156

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

11. TECHNICAL SUPPORT

If you need technical support, please visit the Medeco website. www.medeco.com