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Project::	SVT600/T1	Creation Date:	2012-07-25
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Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

METRACKCO® RFID



User Guide

Applicable Model : SVT600/T1/T3



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Content

1. Copyright and Disclaimer	3
2. Applications	3
3. Product Function and Specification	3
3.1 Product Function.....	43
3.2 Specification	3
4. Main Device and Accessories	4
5. Outward Appearance	4
6. First Use	4
6.1 Fixed Installation	4
6.2 Connection Terminal.....	4
7. Software Upgrade	5
7.1 Support the version of the software and hardware of RFID	5
7.2 SVT600/T1 Software upgrade	5
7.3 OTA Online Upgrade	6
8. RFID Card Reader Function	6
8.1RFID Use.....	6
8.2 Platform query.....	8
8.3 RFID Authorization	9
8.4 RFID Delete.....	11
8.5 RFID Management.....	11
8.6 RFID Control Output 1.....	12
9. Note.....	13



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Project::	SVT600/T1	Creation Date:	2012-07-25
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Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

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2. Applications

O To identify driver's identity

O To utilize OUT1 function

3. Product Function and Specification

3.1 Product Function

O To identify driver's identity

O Wiegand26 interface----SVT600 O

RS232 interface-----T1

O To control output 1 function

3.2 Specification

Item	Description
Dimension	79x 42 x 13mm
Weight	150g
Normal Standby power consumption	25mA
Operating Temperature	-20 °C~55°C
Operating Humidity	5%~95%
Operating Voltage	5V
Internal Resistance	3.6R
Baud Rate	19200



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		Update Date :	2013-07-4
Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

4. Main Device and Accessories

☑ RFID

☑ 4P to 8P Cable

5. Outward Appearance



Card Reader

Proximity Card

6. First Use

6.1 Fixed Installation

☑ RFID and vehicle : according to customers' needs

6.2 Connection Terminal

☑ Insert RFID cable into the dedicated terminal interface SVT600 is dedicated to weigand 26 interfaces as follow:





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Project::	SVT600/T1	Creation Date:	2012-07-25
		Update Date :	2013-07-4
Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

T1 dedicated RS232 interface is as follows:



7. Software Upgrade

7.1 Support the version of the software and hardware of RFID

Model	Software Version	Hardware Version	Note
SVT600	SVT600_FW3.10E	V1.9	Support RFI DControlO UT1
	SVT600_FW6.10E	V2.1 and above	Support RFID Control OUT1
T1-RFID	T1RFID_FW1.20D	V1.5 and above	V1.8 and above support RFID Control OUT1

7.2 SVT600/T1 Software upgrade

Double-click the program to run the firmware upgrade. Connect SVT600/T1 to the computer with the USB232 cable. Then select the correct port (COM3 in example), click "Open", SVT600/T1 will automatically booted into programming mode (for SVT600 blue and green light will flash), when the SVT600/T1 has been flashed successfully, the "OK" count will increase by 1. (Take T1 as an example)



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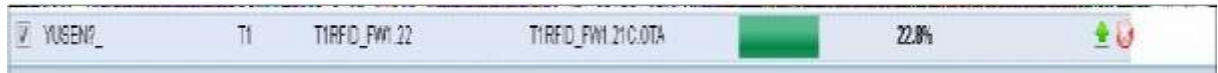
File Name :	RFIDUser Guide	Creator	Humphrey NGUNDUE
Project::	SVT600/T1	Creation Date:	2012-07-25
		Update Date :	2013-07-4
Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

7.3 OTA Online Upgrade

1. Ensure that the device is plugged in the external power supply, GPRS connection in normal, and connected to the MS02
2. Log in the platform, select “Management”→“Online Upgrade”menu , the system will pop up the login screen, enter the platform password to login OTA upgrade interface



3. Entering the OTA upgrade interface, select the device you want to upgrade, the model, the current version, upgrade version, next picture shows the device being upgraded



4. The upgrade has been completed, the platform will be prompted to upgrade, as shown:



Note: Support OTA upgrade software version, see OTA manual

8. RFID Card Reader Function

8.1 RFID Use

SVT600 has been connected to an external power supply, after booting, RFID reader indicator light (red) when the card into the card reader range, the reader will flash green, and record the data. MYCOM software figure 00D19DD7 card RFID number (hexadecimal display), converted to decimal for 137



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Project::	SVT600/T1	Creation Date:	2012-07-25
		Update Date :	2013-07-4
Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation



MYCOM software reads data :

```

| Thread PRIO_RFID |
RFID :13737431
CheckData : 13737431
Check ...
RFID Not Authorization

=== GPRS Event Code : 37 ===

----- TR 2:1 -----

=====2012-5-30 10:44:44=====

=== Send GPRS Data :
$$' 145,861785006569754,AAA,37,22.513401,114.056943,120530024438,A,4,17,0,0,4,34,4169,87274,
460|0|2792|0E89,0000,0016|001D|0000|0A45|0386,00D13DD7,*79

```



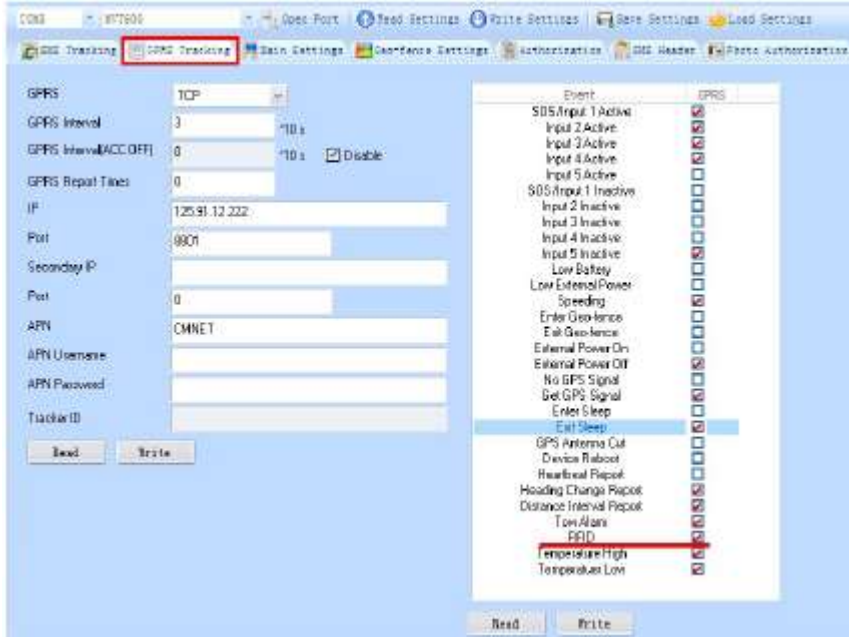
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File Name :	RFIDUser Guide	Creator	Humphrey NGUNDUE
Project::	SVT600/T1	Creation Date:	2012-07-25
		Update Date :	2013-07-4
Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

8.2 Platform query

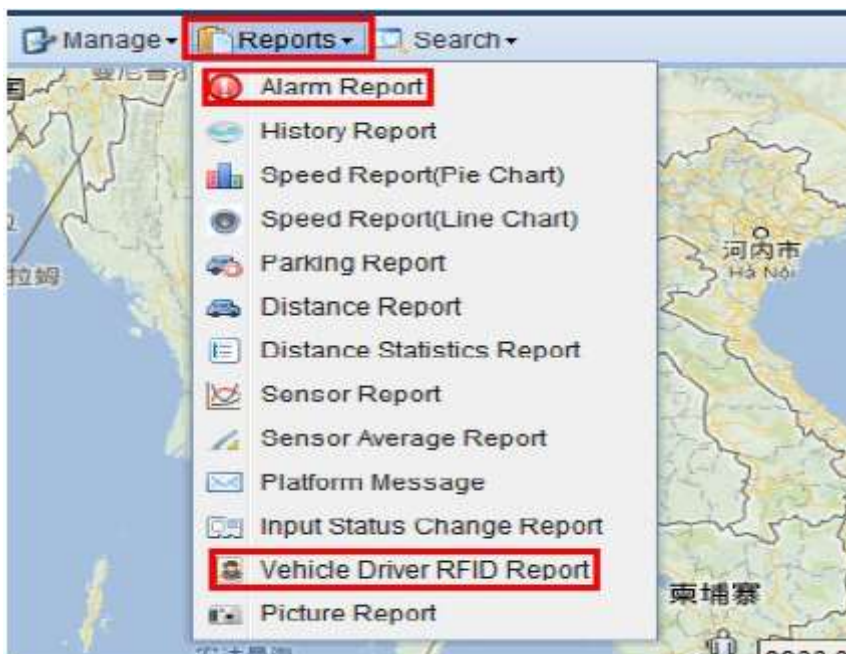
1.To configure RFID , Parameter will be used to set upload data, select GPRS tracking, click the last item for



3.MS02 platform click the terminal name in the bottom, which can see the most recent RFID punch ID

GSM Signal	??
Satellites	6
RFID	13714978
door open	0

3. Click alarm report query statement → alarm statement →select device name , alarm type selection of RFID in the time range of state of the RFID reader will be able to view and then select a date





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File Name :	RFIDUser Guide	Creator	Humphrey NGUNDUE
Project::	SVT600/T1	Creation Date: Update Date :	2012-07-25 2013-07-4
Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

Device N...	Alarm Type	GPS Time	Received Time	Fix	Location	Latitude	Longitude	Speed
T1-test	RFID(13723455)	01-18 08:57:31	01-18 08:57:28	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:57:33	01-18 08:57:37	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:58:09	01-18 08:58:05	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:58:15	01-18 08:58:30	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:58:29	01-18 08:58:42	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:58:30	01-18 08:58:45	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:58:31	01-18 08:58:55	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:58:32	01-18 08:58:58	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:58:33	01-18 08:59:01	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:58:35	01-18 08:59:05	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:59:04	01-18 08:59:03	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:59:16	01-18 08:59:16	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 08:59:41	01-18 08:59:40	Invalid	22 513648,114.057213	22.513648	114.057213	0.00
T1-test	RFID(13723455)	01-18 09:08:35	01-18 09:08:33	Invalid	22 513648,114.057213	22.513648	114.057213	0.00

4. In alarm report follow a vehicle driver's FRID statement, click to select the device name/driver name, select the input port, and then select a date will be able to view in the time range RFID reader input port activation status

Driver Name	Vehicle No	Active Time Time	Inactive Time Time	Active Time Address	Inactive Time Address	Max Sp...	Journe...	Idle Time
aa	012896001078259	2013-01-18 09:40:10	2013-01-18 09:40:11	中国广东元坝区深坝...	中国广东元坝区深坝...	0km/h	0km	00:00:01
aa	012896001078259	2013-01-18 09:40:12	2013-01-18 10:00:57	中国广东元坝区深坝...	中国广东元坝区深坝...	0km/h	0km	00:20:22
aa	012896001078259	2013-01-18 16:25:11	2013-01-18 16:25:11	22 513648,114.057213	中国广东元坝区深坝...	0km/h	0km	00:00:01
aa	012896001078259	2013-01-18 16:25:11	2013-01-18 16:25:12	中国广东元坝区深坝...	中国广东元坝区深坝...	0km/h	0km	00:00:01
aa	012896001078259	2013-01-18 16:25:14	2013-01-18 16:25:14	中国广东元坝区深坝...	中国广东元坝区深坝...	0km/h	0km	00:00:00
aa	012896001078259	2013-01-18 16:25:15	2013-01-18 16:25:15	中国广东元坝区深坝...	中国广东元坝区深坝...	0km/h	0km	00:00:01
aa	012896001078259	2013-01-18 16:25:15	2013-01-18 16:25:16	中国广东元坝区深坝...	中国广东元坝区深坝...	0km/h	0km	00:00:00

8.3 RFID Authorization

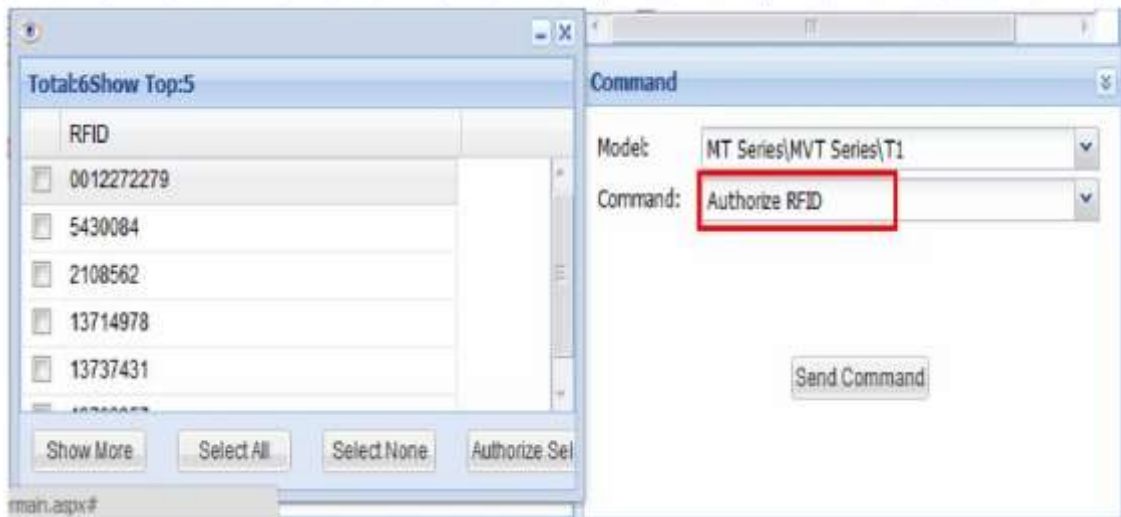
1. Set the RFID authorization, the RFID device number can be used to register RFID platform. Authorizing single device RFID.



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Project::	SVT600/T1	Creation Date:	2012-07-25
		Update Date :	2013-07-4
Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation



2. RFID volume licensing, click on RFID volume licensing instructions, fill RFID starting card number, and the number of licenses will be able to volume licensing





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		Update Date :	2013-07-4
Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

8.4 RFID Delete

Batch delete authorized RFID, click RFID batch delete command , fill RFID starting card number, delete the number

Command

Model: MT Series\MVT Series\T1

Command: Batch delete RFID

From RFID: 13723455

Count: 4

Send Command

8.5 RFID Management

1. Management → Management driver information, you can add the basic information of the driver so that for better vehicle management

Manage Driver Information

Name	Age	Phone	CellPhone
aa	11	123456	123455
owen	23	123456	123455

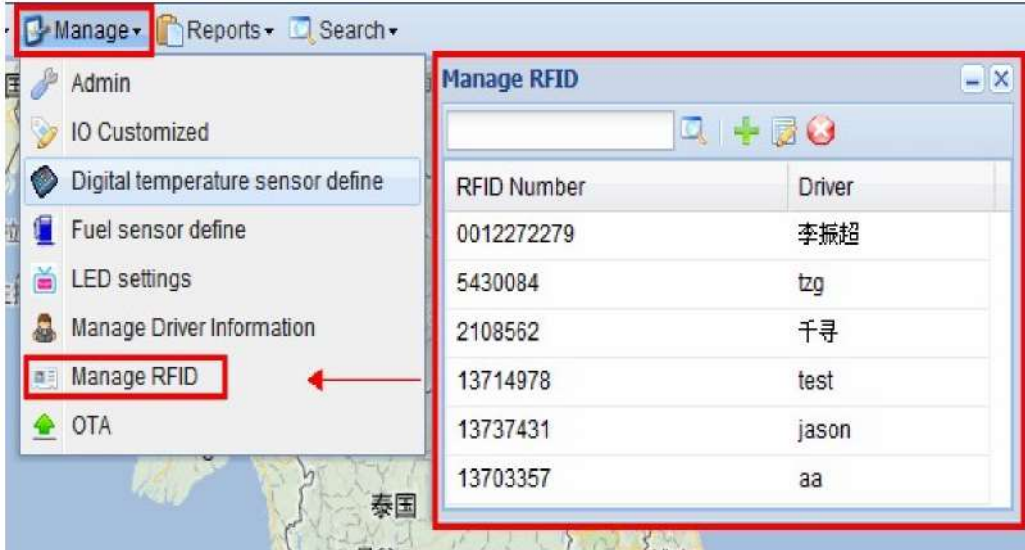


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Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

2. Management → Management RFID , RFID can add registration number and the driver name, which enable to achieve of vehicle management RFID functionality



Note: Management drivers' information need to be added first to add and manage RFID

8.6 RFID Control Output 1

Open or close the RFID control output 1 instruction can be issued through the platform. Open: brush RFID in 1 minutes, input must be detected to a high level (the detected engine start), the output will remain off (effectively off). Such as within 1 minute, the input 3 detects low level (detected engine off), the output will remain open (void open)



Note : RFID control output 1 if necessary must be met: the RFID authorization and input 3 connected to the engine detects



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Sub Project :	Accessories User Manual	Page :	1 of 13
Revision:	V1.4	Confidential:	External Documentation

9. Note

1. Upgrade unsuccessful: Please ensure that the USB232 driver is installed correctly, make sure the USB232 cable which is from METRACKCO's accessories, make sure to choose the correct port
2. RFID cannot be used: Make sure that RFID is installed correctly, made sure SVT600 connected to an external power source (9V to 36V), make sure that the T1 program is compatible with RFID, make sure that the GPRS data upload RFID event tick.

Please do not hesitate to email us at info@metrackco.com if you have any questions.