

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

METRACKCO[®] RFID



User Guide

Applicable Model : SVT600/T1/T3



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

	Content	
1.	Copyright and Disclaimer3	
2.	Applications3	
3. F	Product Function and Specification	
	3.1 Product Function	43
	3.2 Specification	3
4.	Main Device and Accessories4	
5.	Outward Appearance4	
6.	First Use4	
	6.1 Fixed Installation	4
	6.2 Connection Terminal	4
7.	Software Upgrade5	
	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 Function6	
	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	



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

1. Copyright and Disclaimer

Copyright © 2013 METRACKCO. All rights reserved.

The user manual may be changed without prior notification.

This user manual, or any part thereof, may not be reproduced for any purpose whatsoever without the written authorization of Meiligao (METRACKCO), or transmitted in any form, either electronically or mechanically, including photocopying and recording.

In no event shall Meiligao (METRACKCO) be liable for direct, indirect, special, incidental, or consequential damages (including but not limited to economic loss, personal injury, and loss of asset and property) arising out of the use or inability or illegality to use the product or documentation.

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	25mA
consumption	
Operating Temperature	-20 °C~55°C
Operating Humidity	5%~95%
Operating Voltage	5V
Internal Resistance	3.6R
Baud Rate	19200



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

4. Main Device and Accessories

🛛 RFID

4P to 8P Cable

5. Outward Appearance



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:





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

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)



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

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

System -	🗗 Manage 🛛 🖺 Reports 🗸 🔍 Search 🗸		
	Admin	后海湾	2
	Digital temperature sensor define		x
-	LED settings	User ID: TS	
00000	Manage Driver Information	Password:	
00000	TA TA		Confirm

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

7 YUSEN/	T1	TIRED_EWI.22	TIRED_FWI 21C.OTA	22.8%	<u> </u>
		a de la companya de l		c march	

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

Ti	T1RFID_FWI 22	TIRFID_FW 21C.OTA	Upgrade Successfully	👱 🕗
	T1	T1 T1RFID_FWI 22	TI TIRFO_FWI.22 TIRFID_FWI.21C.0TA	TI TIRFO_FWI 22 TIRFID_FW 21C.OTA Upgrade Successiony

Note: Support OTA upgrade software version, see OTA manual

8. RFID Card Reader Function

8.1RFID 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



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



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,<u>00D19DD7</u>,*79



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

manage.track.protect.relax

8.2 Platform query

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

85	TOP	H	Event	6PRS
is interval	3	10 x	SD5Anput 1 Active Input 2 Active	20
S Interval/ACC OFF[0	10: Doabe	Input 3 Active Input 3 Active	2
15 Reput Tines	0		Input 5 Active S05 Acres 1 Insuition	Ē
	125.91.12.22	2	Input 2 Inactive	ğ
ł	9901		Input 4 Inactive	ö
conday IP	-		Low Batery	
at the second	0		Low External Power Speeding	
PTN	CMNET		Enter Geo-tence Ent Geo-tence	8
PN Usenase	-		Esternal Power On Esternal Power Of	ō
PN Pacaweed			No GPS Signal	
arker III		5	Enter Steep	
			Ent Sleep GPS Anterna Cut	2
lead Trit	•		Device Related Hearth and Record	8
			Heading Change Repos	20
			Tom Alam	2
			PED	2
			Tamperature Lov	8

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

		_
RFID	13714978	
Satellites	6	
GSM Signal	22	× 1

3. Click alarm report query statement \rightarrow alarm statement \rightarrow 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





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 Name	E 71-lest	🖛 Alarm T	Vpe: RFID	1	From: 2013-01-18 📑 00:0	0 🗶 To: 2013-	01-18 📑 23.0	0 M OetA	ddress (
Alum Deta	8 93)								
Device N	Alarm Type	GPS Time	Received Time	Fix.	Location	Lattude	Longilude	Speed.	
T1-left	RFID(13723455)	01-18 08:57 31	01-10 08 57:28	invalid	22 51364B 114 057213	22.513648	114.057213	0.00	
T1-lest	RFID(13723455)	01-18 08:57.33	01-18 08:57:37	Invalid	22.513848,114.057213	22.513648	114.057213	0.00	
T1-lest	RFID(13723455)	81-18 OB 58 09	01-18 08:58:05	Invalid	22.513648 114.057213	22.513648	114.057213	0.00	
T1-lept	RFID(13723466)	01-18 08:58 15	01-18 08 58 30	invalid	22 513848 114 057213	22.513848	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-leaf	RFID(13723455)	01-18 08:58:30	01-18 08:58:45	invalid.	22,513648,114,057213	22.513648	114,057213	0.00	
T1-lest	RFID(13723456)	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-lest	RFID(13723455)	01-18 08 58 33	01-18 08 59:01	trealid	22.513648,114.057213	22.513848	114.057213	0.00	
T1-lest	HFID(13723455)	01-18 08:58 35	01-18 08 59:05	Invalid	22 51 3648 114 057213	22.513648	114.057213	0.00	
T1-lesl	RFID(13723455)	01-18 08 59 04	01-18 08 59:03	Invalid	22.513648.114.057213	22.513648	114.057213	0.00	
T1-lest	RFID(13723455)	01-18 08:59:16	01-18 08:59:15	Invalid	22.513648,114.057213	22.513648	114,057213	0.00	
T1-lest	RFID(13723455)	01-18 08:59:41	01-18 08:59:40	Minakd.	22.513648.114.057213	22.513648	114.057213	0.00	
T1-lest	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

Tracker Name	w T1-lest	+ Input Input 2	 Statistical methods 	Active Time → Ing ¥	From: 2013-01-17	00.00	+ To 20	13-01-18	23
Driver Name	Vehicle No	Active Time Time	Inactive Time Time	Active Time Address	Inactive Time Address	Max Sp.	Journe	Idle Time	
30	012896001078259	2013-01-18 09:40:10	2013-01-18 09:40:11	中国广东无明区 深圳 _	中国广东元明区深圳	0km/h	0km	00:00:01	
83	012896001078259	2013-01-18 09:40:12	2013-01-18 10:00:57	中国广东元明区深圳	中国广东元明区深圳	0kmh	0km	00:20:22	
88	012896001078259	2013-01-18 16:25:11	2013-01-18 16:25:11	22 513648 114 057213	中国广东元明区深圳	0kmħ	0km	00:00:01	
88	012896001078259	2013-01-18 16:25:11	2013-01-18 16:25:12	中国广东元明区读制。	中国广东元明区深圳	0km/h	0km	00:00:01	
20	012896001078259	2013-01-18 16:25:14	2013-01-18 16:25:14	中国广东无明区深圳	中国广东元明三祥圳	0km/h	0km	00:00:00	
20	012896001078259	2013-01-18 16:25:15	2013-01-18 16:25:15	中国广东无明区读明。	中国广东元明区 译训	0km/h	0km	00.00.01	
33	012896001078259	2013-01-18 16:25:15	2013-01-18 16:25:16	中国广东无朝区深圳	中国广东元朔区深圳	0kmħ	0km	00:00:00	
H 4 Page	toft P H	3						Displaying 1 - 1	7 d7

8.3 RFID Authorization

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



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

manage	.track.protect.relax	

•	= X	1	T	1
Total:6Show Top:5		Command		8
RFID		Modet N	AT Series\MVT Series\T1	*
0012272279	-	Command:	Authorize RFID	~
5430084		L'		
2108562	1			
13714978				
13737431	-		Send Command	
Show More Select All Select None	Authorize Sel			
nah.aspx#	- Conservation of the last			

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

Model:	MT Series\MVT Series\T1	×
Command:	Batch authorize RFID	¥
From RFID:	13723455	
Count:	3	
	Send Command	



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

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 \rightarrow Management driver information, you can add the basic information of the driver so that for better vehicle management

🌽 Admin	12	Driver Inform	ation		
🦻 IO Customized				1 🕂 😺 😡	
Digital temperature sensor define	X	Name	Age	Phone	CellPhone
📱 Fuel sensor define	1	аа	11	123456	123455
菌 LED settings	ý,	owen	23	123456	123455
🚨 Manage Driver Information 🛛 🗲	老				
Manage RFID	~				
🔶 OTA	E.			177	



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

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

Admin	Manage RFID	1430	- ×
Digital temperature sensor define	RFID Number	Driver	1
🖞 🚊 Fuel sensor define	0012272279	李振超	
🞽 LED settings	5430084	tzg	
& Manage Driver Information	2108562	千寻	_
🍯 Manage RFID 🗧		test	
🔶 OTA	13737431	jason	
MARY TEXT	13703357	аа	

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

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)

Model:	MT Series\MVT Series\T1	~
Command:	RFID Control Out1	~
	off 🗸	
	Off	
	On	
	Send Command	

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



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

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.