



Applicable Model: T1/T333/MVT600/T622/T366/T366G



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2 Specifications

Item	Specifications
Dimension	17.35 mm x 3.1 mm–5.89 mm
Material	304 stainless steel
Operating temperature	-40°C to 85°C
Communication protocol	1-wire protocol

3 Main Device and Accessory



iButton reader





iButton key

Buzzer (optional)



4 iButton Functions

- Identify the driver ID and grant permission to start the vehicle.
- Through MS03 platform, drivers' attendance can be collected by driver I/O status history.

5 Firmware Version

T1	All firmware supports iButton. T1B_V010 and later versions: If the tracker's output 2 is
	connected to a buzzer, a "beep" sound will be made.
Т333	All firmware supports iButton. T333_V009 and later versions: If the tracker's output 2
	is connected to a buzzer, a "beep" sound will be made.
MVT600	All firmware supports iButton. If the tracker's output 2 is connected to a buzzer, a
	"beep" sound will not be made.
T622	All firmware supports iButton. If the tracker's output 1 or output 2 is connected to a
	buzzer, a "beep" sound will be made.
T366/T366G	All firmware supports iButton. If the tracker's output 1 is connected to a buzzer, a
	"beep" sound will be made. However, it cannot work with the function for starting the
	engine by iButton.

6 Installing the iButton Reader

6.1 Attaching the iButton Reader to Your Vehicle

Attach the iButton reader to your vehicle according to your needs.

6.2 Connecting the iButton Reader to a Tracker

The iButton reader has 2 types of connectors as follows:



3 mm connector



4 mm connector

1. Connect the iButton reader to the T1/T333/T622/MVT600.

You can use any of the following ways to connect the iButton reader to the tracker:

(1) Plug the iButton reader's connector (4 mm) into the tracker's white dedicated port for a temperature sensor and fuel level sensor.





According to the above figure, the white interface on the left is the tracker's dedicated port for a temperature sensor and fuel level sensor, and the white interface on the right is the iButton reader's connector.

(2) When you want to use the iButton reader and temperature or fuel level sensor at the same time, an A61 sensor box is a must. Besides, the iButton reader's 3 mm connector will be used.



2. Connect the iButton reader to the T366/T366G.

You can use any of the following ways to connect the iButton reader to the tracker:

(1) Cut off the iButton reader's connector, as shown in the following figure. Then connect the iButton reader to the tracker according to the wiring instructions in the following table.



T366/T366G Cables	iButton Reader Cables			
Green cable	Red cable			
Black cable	Black cable			

(2) Use the A61 sensor box and iButton reader's 3 mm connector. Cut off the A61 sensor box's connector, as shown in the following figure on the left. Then connect the iButton reader to the tracker according to the wiring instructions in the following table.







T366/T366G Cables	A61 Sensor Box Cables
Red cable	Red cable
Black cable	Black cable
Green cable	Green cable
Blue cable	Blue cable

After the iButton reader is connected to a tracker, once the iButton key touches the reader, the reader will be activated. If the tracker's output 2 is connected to a buzzer, a "beep" sound will be made.





7 Using iButton

For details about how to use iButton, see the following sections.

7.1 Obtaining iButton ID

Each iButton key has an ID number, which is in hexadecimal format.

For example, the last six digits among the hexadecimal digits are "1BF32F". Their decimal digits are "1831727", so the iButton ID number is **1831727**.





7.2 Starting the Engine by iButton

Before starting the engine, ensure that:

- 1. The T1/T333/MVT600/T622's input 3 or T366/T366G's input 2 is connected to the engine detection cable.
- 2. An iButton key has been authorized.
- 3. The tracker's output 1 is connected to the engine control cable through a relay, as shown in the following figure.



Note: For details about how to authorize an iButton key, see the section 7.5.1 "Authorizing iButton Keys."

4. The RFID ignition function has been enabled by Meitrack Manager or MS03 tracking platform.



		- o x
Device Tracking GeoFence Authorize GPS Log Perio		R meitrack Manager
Device Info		
IMEI 863835027195887 Rename		
Firmware T366G_H141V066_T Battery Left	0%	Write
Culick setting Light Off Turn off Call Ringtone Sleep Mode ©No Sleep Onomal Sleep Obep Sleep	o Armed	Write
Flash Data SMS Clear 0/256 Log data	Clear 0/65536 GPRS b	buffer Log buffer
GPRS Clear 2/8192	space 50%	space Total capacity (byte) 50%
-Other Setting		4194304 Write
Log Interval 0 Seconds		
- Oil sensor setting		Write
Oil sersor model High oil :	larm value 0 * %	Oil change time range
Use model 0-None Low oil a	arm value 0 🗘 %	Oil change value 0 ♦ %
		Write
Auto Connect	Auto Upgrade	
O Check Device Automaticity O Set Device Connection	No, I don't need it.	atic updates about new teatures.
0/0	etresh Restore Factory Settings Export Settings	To File Load Settings From File Show Description
00		
Sending command		~ ~~
		600
0	Search key eg : GPRS,fences,A10	000
C Enter tracker name C C Group	Search key eg : GPRS,fences,A10 Command: RFID ignition (output 1)
Enter tracker name Q 🗹 Group	Search key eg : GPRS,fences,A10 Command: RFID ignition (output 1)
Enter tracker name Q G Group	Search key eg : GPRS,fences,A10 Command: RFID ignition (output 1)
C Enter tracker name Tracker name W 8518 C	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
C Enter tracker name Tracker name W 8518 C T322 Total(1)	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
C Enter tracker name C C C Tracker name Transmit process W 8518 C T322 Total(1) Pheonix-511	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
C Enter tracker name C C Group Tracker name Transmit process W 8518 C T322 Total(1) Pheonix-511 T333 Total(3)	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
C Enter tracker name Tracker name Transmit process W 8518 C T322 Total(1) Pheonix-511 T333 Total(3) testforKevin0609	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
C Enter tracker name Transmit process V 8518 C T322 Total(1) Pheonix-511 T333 Total(3) testforKevin0609 testformartin-5461	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
Enter tracker name Transmit process W 8518 C T322 Total(1) Pheonix-511 T333 Total(3) testforKevin0609 testformartin-5461 TEST-SANDY412	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
C Enter tracker name Tracker name Transmit process V8 8518 C T322 Total(1) Pheonix-511 T333 Total(3) testforKevin0609 testforKevin0609 TEST-SANDY412 T355 Total(6)	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
Enter tracker name Transmit process Tacker name Transmit process W 8518 C T322 Total(1) Pheonix-511 T333 Total(3) testforKevin0609 testformartin-5461 TEST-SANDY412 T355 Total(6) heartbeat-testform	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
C Enter tracker name C G Group Tracker name Transmit process V d dollo W 8518 C T322 Total(1) Pheonix-511 T333 Total(3) testforKevin0609 testformartin-5461 TEST-SANDY412 T355 Total(6) heartbeat-testform T355_2473(#\$)	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
Enter tracker name Q ✓ Group Tracker name Transmit process Vd outo Transmit process Vd outo Transmit process Vd outo Tass Total(1) Pheonix-511 Tass Total(3) testforKevin0609 testformartin-5461 Tass Total(6) heartbeat-testform Tass Total(6) 1355-2473(#k) Tass-872086-testf Tass-872086-testf	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
Enter tracker name Q ✓ Group Tracker name Transmit process V 8518 C • T322 Total(1) • Pheonix-511 • T333 Total(3) • testforKevin0609 • testforKevin0609 • T355 Total(6) • name • T355-927086-testf • T355V2_2474 •	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
Contraction Contraction Contraction Contraction	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)
C Enter tracker name Tracker name Transmit process V 3 0010 W 8518 C T322 Total(1) Pheonix-511 T333 Total(3) testforKevin0609 testforKevin0609 testforKevin0609 heartbeat-testform T355 Total(6) heartbeat-testform T355-872086-testf T355V2_2474 testforsteve testTorsteve	Search key eg : GPRS,fences,A10 Command: RFID ignition (Status: On	output 1)

Note: For the T366/T366G, you must make sure the RFID event has been enabled. Otherwise, the function will be unavailable.

7.3 How iButton Works

After the authorized iButton key touches the iButton reader, the driver must start the engine within 1 minute. Otherwise, the tracker's output 1 will be triggered (engine cut-off), and thus the driver cannot start the vehicle. At the moment, if you want to start the engine, swipe the iButton key again.

7.4 Configuring iButton by Meitrack Manager

- 1. Connect your tracker to a computer and run Meitrack Manager.
- 2. Meitrack Manager will automatically detect the device, and the **Device** tab page for default parameters is displayed.
- 3. Select Authorize. On the tab page that is displayed, select RFID on the GPRS column.



Device Tracking	GeoFence Author	b ize	GPS Log								R meitrae Manag
Event	SMS Header	Va	lue							GPRS	Photo
				SM	S Call	SM	IS Call	SM	IS Call		
noanacar		100	• Phillippics							_	
Heading Change	Heading Change	0	Degree							V	
Distance Interval Tracking	Distance	0	\$ m							v	
Reply Location(Passive)	Now			\checkmark		\checkmark		\$		\checkmark	
Time Interval Tracking	Interval									¥	
Tow	Tow	0	Seconds							v	
RFID										✓	
Still	Quiet									~	
Move	Moving									V	
GSM Jammed(Customized	GSM Jammed									V	
Fuel Fulled	Fuel Full	1								v	
Fuel Empty	Fuel Empty	1								v	
Fuel Stolen	Fuel Steal	1								¥	
GSM No Jamming(Customized	GSM No Jamming	7								¥	
Reject Incoming Call	_										
-									_		
21											

Note: If this RFID option is deselected, the MS03 platform cannot collect statistics on iButton event reports after you swipe an iButton key. The RFID event is enabled by default.

7.5 Configuring iButton by MS03

You can authorize, delete, query, and manage iButton keys on MS03. Related commands are as follows:

Function	Command
Authorize iButton keys	Authorizing an RFID Card – D10
	Authorizing RFID Cards in Batches – D11
Delete iButton keys	Deleting Authorized RFIDs in Batches – D15
Manage iButton keys	On the Management page, set driver info and RFID card.
Query iButton keys	Checking RFID Authorization – D12

7.5.1 Authorizing iButton Keys

- 1. On the main interface, choose **Management**.
- On the Management window that is displayed, select Sending command from Use Normal. The Sending command window is displayed.
- 3. Select one or multiple trackers, select the **Batch RFID authorization** command, specify **From the RFID number** and **Quantity**, and click **Send command**.

If only one iButton key needs to be authorized, set **Quantity** to **1**.



Sending command			• • •
C Fotor tracker name	Search key eg :	GPRS _ fences _ A10	
Enter tracker name Q M Group	Command:	Batch RFID authorization	-
Tracker name Transmit process			
MT90 Total(2)	From the RFID	5437501	\$
MT90v4	number:		
MT90test	Quantity:	1	\$
MVT380 Total(1)			
MVT380A00671			
MVT600 Total(1)			
■ М∨т600			
T1 Total(1)			
✓ T1A-3505			
T355 Total(1)			
T355test			
		Sand	command
		Send	commanu

7.5.2 Deleting Authorized iButton Keys

- 1. On the main interface, choose Management.
- 2. On the **Management** window that is displayed, select **Sending command** from **Use Normal**. The **Sending command** window is displayed.
- 3. Select one or multiple trackers, select the **Delete authorized RFID numbers in batches** command, specify **From the RFID number** and **Quantity**, and click **Send command**.

If only one authorized iButton key needs to be deleted, set **Quantity** to **1**.



Sending command		000
0	Search key eg : (GPRS 、 fences、 A10
Enter tracker name 🔍 M Group	Command:	Delete authorized RFID numbers in bat 🔹
Tracker name Transmit process		
MT90 Total(2)	From the RFID	\$437501
M190v4	Quantity	1
MI90test	Quantity.	<u> </u>
MVT380 Total(1)		
MVT380A00671		
MVT600 Total(1)		
■ MVT600		
T1 Total(1)		
✓ T1A-3505		
T355 Total(1)		
T355test		
		Send command

7.5.3 Managing iButton Keys

To collect statistics on drivers' driving records by iButton report (that is, driver I/O status report), add driver information first and then bind a driver to an iButton key.

1. Add a driver.

On the main interface, choose Management.

On the **Management** window that is displayed, select **Driver Info** from **Use Normal**. The **Driver Info** window is displayed.

Click On the Add driver window that is displayed, add driver information, and click Submit.

Drive	er info								⊜⊗
Ple	ease enter the o	driver name 🛛 🔍	0	Add driver		8			
	Name	Birthday	Gen				ID No	Driving license	Photo
	tracy	1991-08-01	Wor	Name:			50583199	123456	1
				Birthday:	1970-01-01				
				Gender:	Man	•			
				Phone:					
				Mobile phone:					
				Driving license No:					
				ID No:					
				Photo	Upload photo				
				E	Submit Reset Cancel	1			



Drive	er info								•	⊗
Ple	ease enter the d	river name 🛛 🔍	• 🕑 🗙	Show the bi	g picture (move mo	use)				
	Name	Birthday	Gender	Phone	Mobile phone	Birthday	ID No	Driving license	Photo	
	tracy	1991-08-01	Women		135000000	1991-08-01	350583199	123456	1	
										-

2. Add an iButton key.

On the Management window, select RFID card from Use Normal. The RFID card window is displayed.

Click On the Add an RFID window that is displayed, set the iButton key's ID number and bind a driver. These information will be included in a driver I/O status report.

Please e	enter the RFID num	a 🖸 🗙			
	RFID number		Driver 🕇	Creation date	
	5437501		tracy	2015-08-10 16:21	
	5437502	Add an RFID RFID number: Added number: Driver: Subn	1 Ad nit Reset Cancel	2015-08-10 16:48	
RFID card					•
R FID card Please e	nter the RFID num	a 😶 🗙			0
RFID card Please e	nter the RFID num	a 🔿 🗙	Driver 1	Creation date	0
RFID card Please e	nter the RFID num RFID number 5437501	a O X	Driver 1 tracy	Creation date 2015-08-10 16:2	9

Note:

- 1. To manage iButton keys, driver information must be added first.
- 2. You can query a driver's driving mileage, parking time, time and location of starting or stopping the vehicle by driver I/O status report.

8 Querying Reports on MS03

On MS03, iButton alert event reports can be obtained from the RFID alert event reports.



8.1 Event Report

- 1. On the main interface, choose **Reports**.
- On the Reports window that is displayed, select Event report from Use Normal. The Event report window is displayed.
- 3. Select a tracker and **RFID** from the **Event** drop-down list, set the query time, and click . The results about iButton readers will be displayed, as shown in the following figure.



8.2 Driver I/O Status Report

1. On the **Reports** window, select **Driver IO status report** from **Use Normal**. The **Driver IO status report** window is displayed.

11<u>4.05715</u>



2. Select a tracker or driver, set the I/O status and query time, and click . The driving records will be displayed.

 $\Theta \otimes$ Reports **Use Normal** Hidden . i II Parking report Event report Event Historical data Speed curve ed pie statistics Travel report Mileage Sensor report Sensor I/O status Photo report statistics average report . Scheduling Driver IO User Statistics Transfer credit Maintenance report(TC68S) screen upload status report operation report reports info record 000 Driver IO status report Tracker name 💌 🗆 T1A-3505 ▼ Active->Inacti ▼ From: 2015-08-1C III 00:00 ▼ To: 2015-08-11 III Input3(All) Driver Tracker name Active Time Inactive Time Active Address Inactive Address Driving mile Parking dura 2 513635 114 0571 22.513586,114.057153 . 22.513561,114.057318

Note: In this report, the T1/T333/MVT600/T622's input 3 or T366/T366G's input 2 is connected to the engine detection cable. You can obtain the driver's driving time, mileage, and parking time from this report. If you have any questions, do not hesitate to email us at info@meitrack.com.