



File Name:	OTA User Guide	Creator:	Steven Chen
Project:	MT90/T1/MVT600/TC68	Creation Date:	2012-09-12
		Update Date:	2012-10-25
Sub Project:	User Guide	Page:	- 1 - of 8
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MEITRACK® OTA User Guide

Suit for MT90/T1/MVT600/TC68

V1.3



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1 Attention

1.1 Ensure that your tracker was connected to MS02 via GPRS before upgrading.

1.2 Your tracker has to be connected to external power when upgrading.

Procedure as below:

Download new firmware(Blue and Green LED flash like normal working status);

Unit will turnoff automatically after downloading;

Unit will turn on automatically, as it is connected to external power;

Meanwhile, begin upgrading, turn off automatically again;

Finally, unit will turn on automatically again. Firmware is upgraded.

1.3 If your tracker isn't connected to external power, it will turn off automatically after downloading. You need to turn it on manually for upgrading (Blue and Green LED will flash crossways).

In around 30 seconds, it will turn off automatically (please ensure that back-up battery's power is not less than 50%).

Turn it on manually. Firmware is upgraded.

1.4 Do not turn off your tracker during upgrading.

Your tracker will fail to work if you turn it off during upgrading. Thanks to this, you need to connect it with the PC, run the firmware, press SOS and hold it, turn on your tracker for upgrading.

Your tracker will not proceed with other irrelative commands during OTA.

1.5 Applicable models and firmware version:

Model	Firmware Version	Remarks
MV600	MVT600_FW6.08 and above version(PCB V2.2)	FW6.07 also supports OTA. All parameters will be defaulted, but GPRS parameters remained. Suggest that send command or use Parameter Editor to initial all parameters after upgrading. FW6.07 was released in May, 2012.
T1	T1_FW1.18 and above version	FW1.16 and 1.17 both supports OTA. All parameters will be defaulted, but GPRS parameters remained. Suggest that send command or use Parameter Editor to initial all parameters after upgrading. FW1.16 was released in Mar, 2012. FW1.17 was released in May, 2012.
T1_RFID	T1RFID_FW1.18 and above version	FW1.16 and 1.17 both supports OTA. All parameters will be defaulted, but GPRS parameters remained. Suggest that send command or use Parameter Editor to initial all parameters after upgrading.

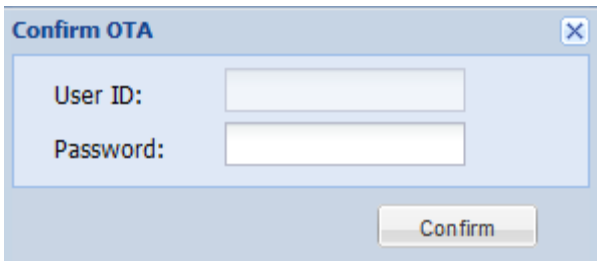
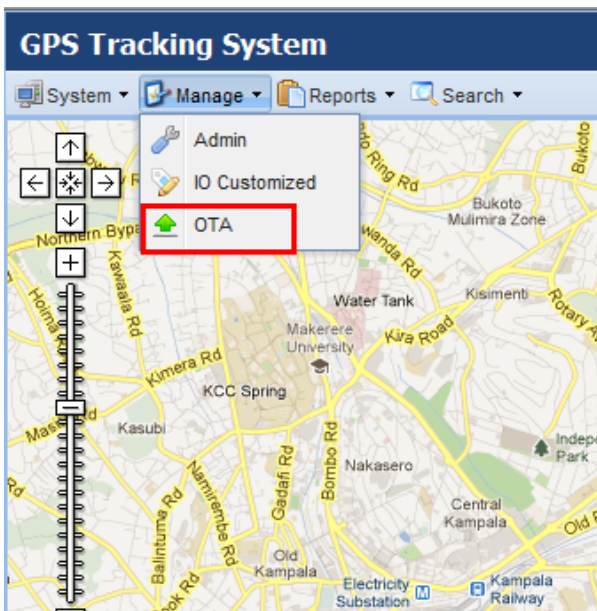
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		FW1.16 was released in Mar, 2012. FW1.17 was released in May, 2012.
MT90	MT90EN_FW1.18 and above version	FW1.16 and 1.17 both supports OTA. All parameters will be defaulted, but GPRS parameters remained. Suggest that send command or use Parameter Editor to initial all parameters after upgrading. FW1.16 was released in Mar, 2012. FW1.17 was released in May, 2012.

2 Guidelines

2.1 Ensure that your tracker was connected to external power and MS02 via GPRS.

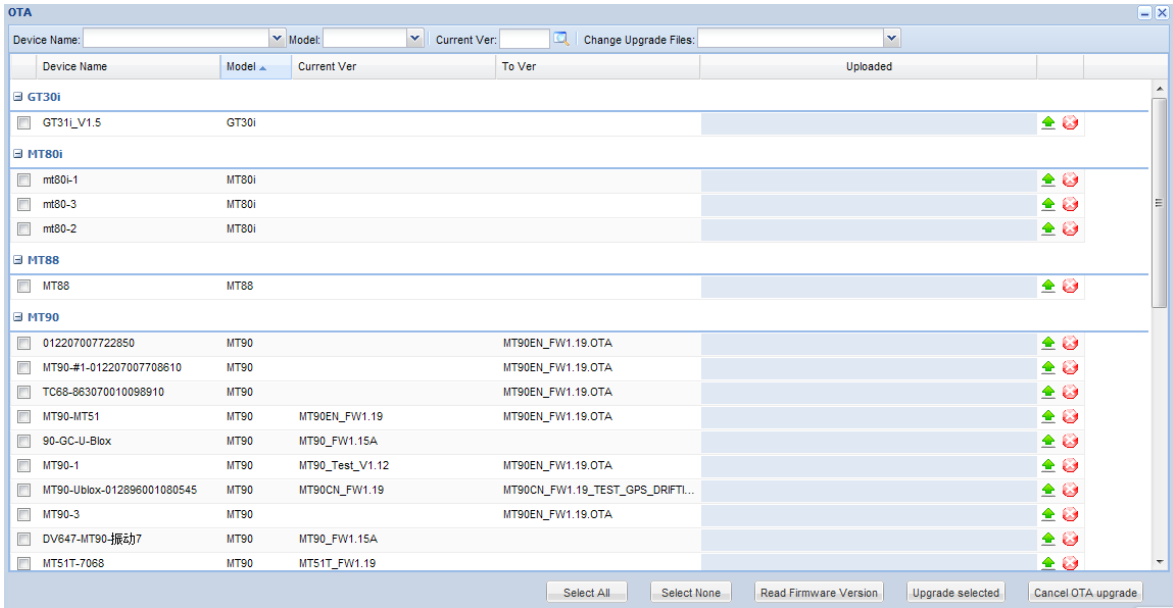
2.2 Login MS02, click "Manage" → "OTA", OTA login window pop-up, input your MS02 user ID and password and enter OTA upgrade window.





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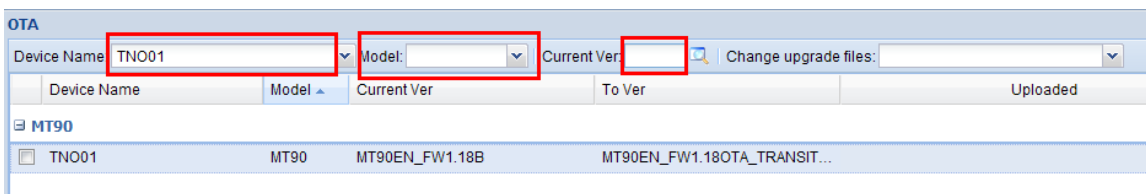
2.3 OTA Upgrade Window as below:



2.4 Select Device

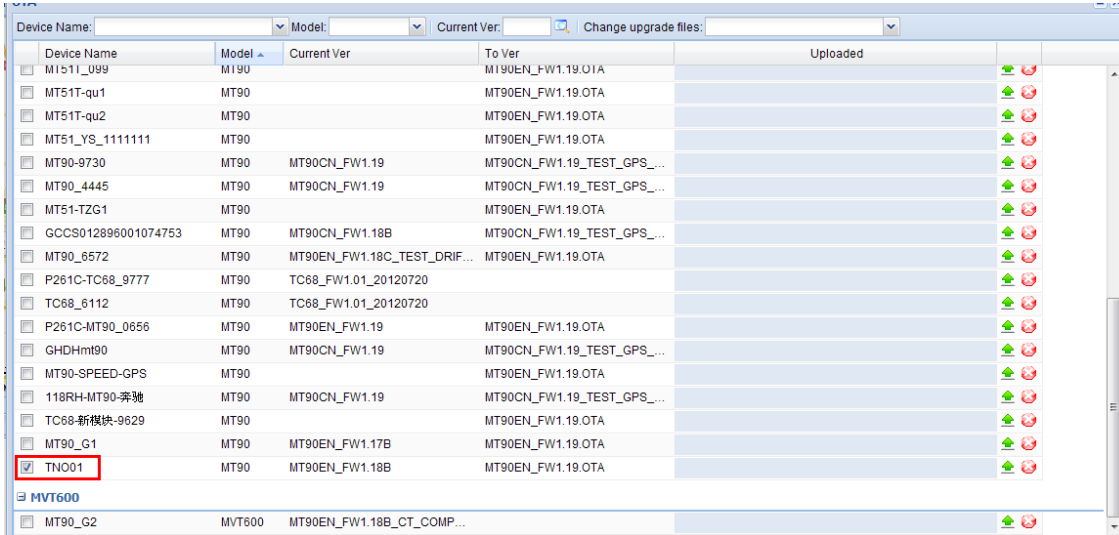
2.4.1 Single Device Selection

2.4.1.1 Screen from “Device Name”, “Model”&“Current Version”, click to select the device you would like to upgrade. You also can type real device name and click it directly if you remember it:



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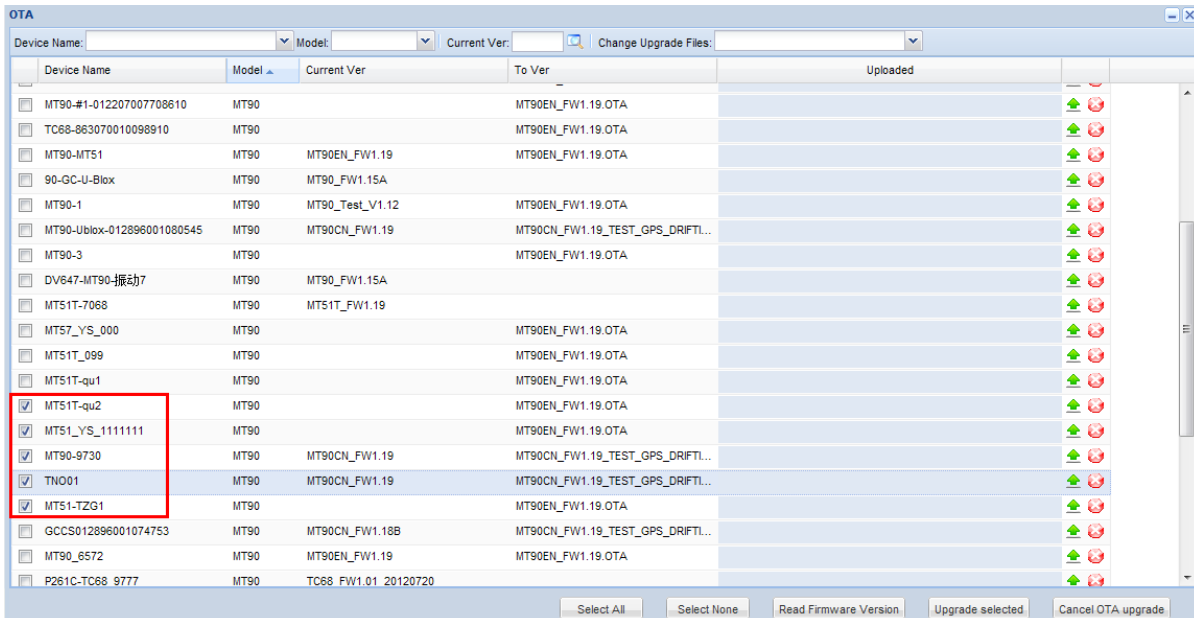
2.4.1.2 Roll and select the device you want to upgrade:



Device Name	Model	Current Ver	To Ver	Uploaded
<input type="checkbox"/> M1511_U99	M190		M190EN_FW1.19.01A	
<input type="checkbox"/> MT51T-qu1	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> MT51T-qu2	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> MT51_YS_1111111	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> MT90-9730	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS...	
<input type="checkbox"/> MT90_4445	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS...	
<input type="checkbox"/> MT51-TZG1	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> GCCS012896001074753	MT90	MT90CN_FW1.18B	MT90CN_FW1.19_TEST_GPS...	
<input type="checkbox"/> MT90_6572	MT90	MT90EN_FW1.18C_TEST_DRIF...	MT90EN_FW1.19.01A	
<input type="checkbox"/> P261C-TC68_9777	MT90	TC68_FW1.01_20120720		
<input type="checkbox"/> TC68_6112	MT90	TC68_FW1.01_20120720		
<input type="checkbox"/> P261C-MT90_0656	MT90	MT90EN_FW1.19	MT90EN_FW1.19.01A	
<input type="checkbox"/> GHDHm90	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS...	
<input type="checkbox"/> MT90-SPEED-GPS	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> 118RH-MT90-奔弛	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS...	
<input type="checkbox"/> TC68-新模块-9629	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> MT90_G1	MT90	MT90EN_FW1.17B	MT90EN_FW1.19.01A	
<input checked="" type="checkbox"/> TNO01	MT90	MT90EN_FW1.18B	MT90EN_FW1.19.01A	
<input type="checkbox"/> MVT600				
<input type="checkbox"/> MT90_G2	MVT600	MT90EN_FW1.18B_CT_COMP...		

2.4.2 Several Devices Selection

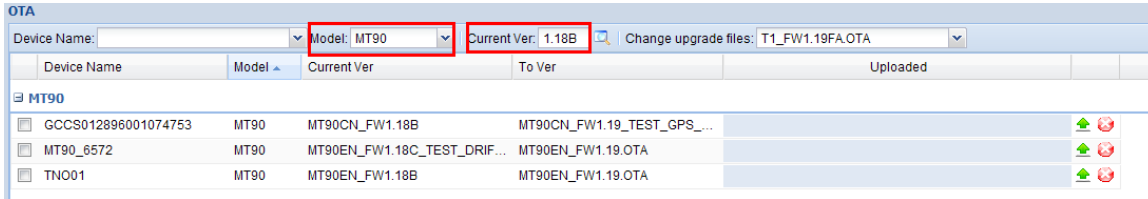
2.4.2.1 Roll & select several devices together:



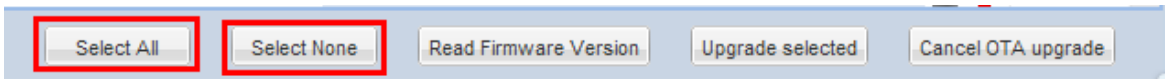
Device Name	Model	Current Ver	To Ver	Uploaded
<input type="checkbox"/> MT90-#1-012207007708610	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> TC68-863070010098910	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> MT90-MT51	MT90	MT90EN_FW1.19	MT90EN_FW1.19.01A	
<input type="checkbox"/> 90-GC-U-Blox	MT90	MT90_FW1.15A		
<input type="checkbox"/> MT90-1	MT90	MT90_Test_V1.12	MT90EN_FW1.19.01A	
<input type="checkbox"/> MT90-Ublox-012896001080545	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS_DRIFTL...	
<input type="checkbox"/> MT90-3	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> DV847-MT90-振动7	MT90	MT90_FW1.15A		
<input type="checkbox"/> MT51T-7068	MT90	MT51T_FW1.19		
<input type="checkbox"/> MT57_YS_000	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> MT51T_099	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> MT51T-qu1	MT90		MT90EN_FW1.19.01A	
<input checked="" type="checkbox"/> MT51T-qu2	MT90		MT90EN_FW1.19.01A	
<input checked="" type="checkbox"/> MT51_YS_1111111	MT90		MT90EN_FW1.19.01A	
<input checked="" type="checkbox"/> MT90-9730	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS_DRIFTL...	
<input checked="" type="checkbox"/> TNO01	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS_DRIFTL...	
<input checked="" type="checkbox"/> MT51-TZG1	MT90		MT90EN_FW1.19.01A	
<input type="checkbox"/> GCCS012896001074753	MT90	MT90CN_FW1.18B	MT90CN_FW1.19_TEST_GPS_DRIFTL...	
<input type="checkbox"/> MT90_6572	MT90	MT90EN_FW1.19	MT90EN_FW1.19.01A	
<input type="checkbox"/> P261C-TC68_9777	MT90	TC68_FW1.01_20120720		

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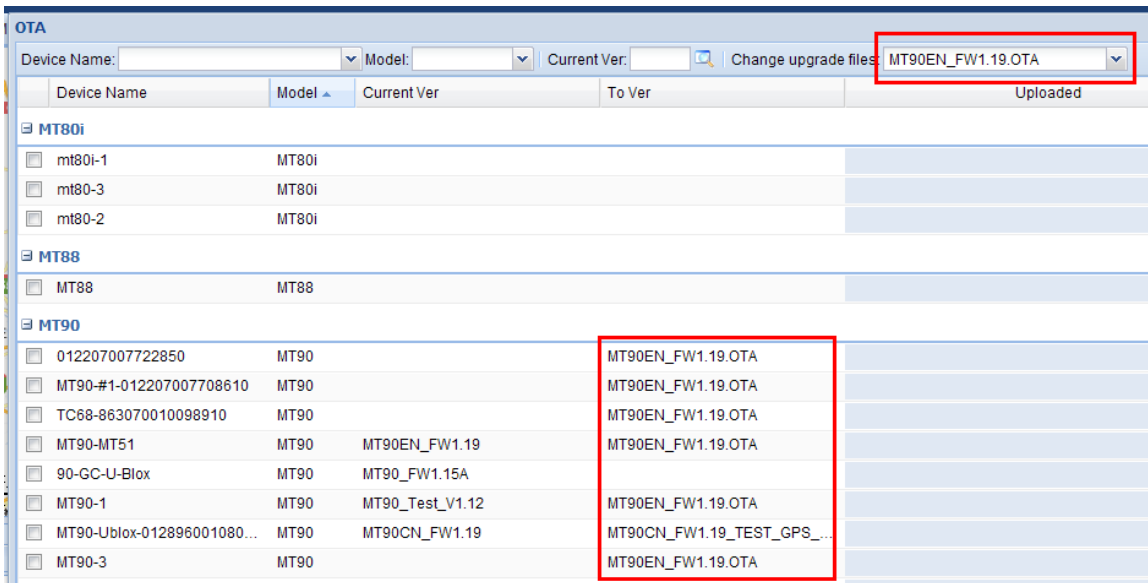
2.4.2.2 Screen from “Device Name”&“Current Version” and click to select the devices you would like to upgrade. Below screen-shot shows how to upgrade all MT90 with firmware V1.18B:







2.4.2.3 Click “Select All” to display all devices and “Select None” to cancel the selection:



2.5 Click “Change Upgrade Files” to select firmware version. All devices displayed on the window would be upgraded with this version. You also can select a single firmware version for a single device.



2.6 Click to select devices and upgrade. Progress in percentage as below:

<input checked="" type="checkbox"/>	MT90_6572	MT90	MT90EN_FW1.18C_TEST_DRIF...	MT90EN_FW1.19.OTA	<div style="width: 2.8%;"></div>	2.8%	 
<input checked="" type="checkbox"/>	TNO01	MT90	MT90EN_FW1.18B	MT90EN_FW1.19.OTA	<div style="width: 5.0%;"></div>	5.0%	 

Remarks: If you click “Cancel OTA Upgrade” during upgrading, progress will be interrupted.

When progress bar becomes red, it means OTA will be finished soon, do not cut off external power or power off the device.



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2.7 OTA is finished successfully as below:

MT90

MT90_6572	MT90	MT90EN_FW1.18C_TEST_DRIF...	MT90EN_FW1.19.OTA	Upgrade Successfully		
TNO01	MT90	MT90EN_FW1.18B	MT90EN_FW1.19.OTA	Upgrade Successfully		

Remarks: OTA will take around 12 minutes for MVT600, 11 minutes for T1 and 15 minutes for MT90.

2.8 Click "Read Firmware Version" to ensure correction.

3 Contacts

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