

File Name:	OTA User Guide	Creator:	Steven Chen
Project:	MT90/T1/MVT600/TC68	Creation Date: Update Date:	2012-09-12 2013-01-31
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## **MEITRACK® OTA User Guide**

### For MT90/T1/T3/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	FW6.07 also supports OTA. All parameters will be
	version(PCB V2.2)	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	FW1.16 and 1.17 both supports OTA. All parameters will
	version	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.

GPS Tracking System					
🗐 System 🔻 📴 Manage 💌 🖺 Reports 👻 🔍 Search 👻					
Admin Admin C Admin IO Customized Bukoto Mulimira Zone Bukoto Mulimira Zone Bukoto Mulimira Zone Bukoto Mulimira Zone Central Kasubi Central Kasubi Central Kampala Cid Kampala Substation Central Kampala					
Confirm OTA X					
User ID:					
Password:					
Confirm					



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#### 2.3 OTA Upgrade Window as below:

ATC						
Device Name:	*	Model:	Current Ver	Change Upgrade Files:	~	
Device Name	Model 🔺	Current Ver		To Ver	Uploaded	
∃ GT30i						
GT31i_V1.5	GT30i					🚖 😂
3 MT80i						
mt80i-1	MT80i					🚖 😂
mt80-3	MT80i					🛨 😂
mt80-2	MT80i					📤 😂
∃ MT88						
						🚖 😂
MT88	MT88					<b>±</b> 🕹
_	MT88					≝ ⊌
 Э МТ90	МТ88			MT90EN_FW1.19.OTA		± @
 Э МТ90				MT90EN_FW1.19.OTA MT90EN_FW1.19.OTA		
Э МТ90 012207007722850	МТ90			-		€ 3
<ul> <li>MT90</li> <li>012207007722850</li> <li>MT90-#1-012207007708610</li> </ul>	MT90 MT90	MT90EN_FW1.19		MT90EN_FW1.19.OTA		<b>▲ ©</b> <b>▲ ©</b>
IMT90           012207007722850           MT90-#1-012207007708610           TC68-863070010098910	МТ90 МТ90 МТ90	MT90EN_FW1.19 MT90_FW1.15A		MT90EN_FW1.19.OTA MT90EN_FW1.19.OTA		▲ 22 ▲ 22 ▲ 22
MT90           012207007722850           MT90#1-012207007708610           TC68-863070010098910           MT90-MT51	МТ90 МТ90 МТ90 МТ90			MT90EN_FW1.19.OTA MT90EN_FW1.19.OTA		
mtso           012207007722850           M190#1-012207007708610           Tc68-863070010098910           M190-MT51           90-GC-U-Blox	МТ90 МТ90 МТ90 МТ90 МТ90	MT90_FW1.15A		MT90EN_FW1.19.OTA MT90EN_FW1.19.OTA MT90EN_FW1.19.OTA		
MT90           012207007722850           MT90.±1.012207007708610           TC68-863070010098910           MT90-MT51           90-GC-U-Blox           MT90-1	МТ90 МТ90 МТ90 МТ90 МТ90 МТ90	MT90_FW1.15A MT90_Test_V1.12		MT90EN_FW1.19.0TA MT90EN_FW1.19.0TA MT90EN_FW1.19.0TA MT90EN_FW1.19.0TA		
MT90           012207007722850           MT90.#1-012207007708610           TC68.e83070010098910           MT90-MT51           90-GC-U-Blox           MT90-1           MT90-1           MT90-1           MT90-1	МТ90 МТ90 МТ90 МТ90 МТ90 МТ90 МТ90	MT90_FW1.15A MT90_Test_V1.12		MT90EN_FW1.19.0TA MT90EN_FW1.19.0TA MT90EN_FW1.19.0TA MT90EN_FW1.19.0TA MT90EN_FW1.19_TEST_GPS_DRIFTL		

#### 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:

OTA				
Device Name TNO01		r Model: 🗸 🗸	Current Ver.	es: 💌
Device Name	Model 🔺	Current Ver	To Ver	Uploaded
■ MT90				
TNO01	MT90	MT90EN_FW1.18B	MT90EN_FW1.18OTA_TRANSIT	



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#### 2.4.1.2 Roll and select the device you want to upgrade:

Device Name:		V Model: V Curren	t Ver: 🔍 🔍 🛛 Change upgrade	files: 👻		
Device Name	Model 🔺	Current Ver	To Ver	Uploaded		
MI511_099	M190		MI90EN_FW1.19.01A		🛨 🥶	
MT51T-qu1	MT90		MT90EN_FW1.19.OTA		🛨 😂	
MT51T-qu2	MT90		MT90EN_FW1.19.OTA		📤 😂	
MT51_YS_1111111	MT90		MT90EN_FW1.19.OTA		🚖 🍪	
MT90-9730	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS		📤 😂	
MT90_4445	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS		۵ 🚖	
MT51-TZG1	MT90		MT90EN_FW1.19.OTA		📤 😂	
GCCS012896001074753	MT90	MT90CN_FW1.18B	MT90CN_FW1.19_TEST_GPS		۵ 🚖	
MT90_6572	MT90	MT90EN_FW1.18C_TEST_DRIF	MT90EN_FW1.19.OTA		📤 😂	
P261C-TC68_9777	MT90	TC68_FW1.01_20120720			۵ 🚖	
TC68_6112	MT90	TC68_FW1.01_20120720			📤 😂	
P261C-MT90_0656	MT90	MT90EN_FW1.19	MT90EN_FW1.19.OTA		ی 🚖	
GHDHmt90	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS		🛨 😂	
MT90-SPEED-GPS	MT90		MT90EN_FW1.19.OTA		۵ 🛧	
118RH-MT90-奔驰	MT90	MT90CN_FW1.19	MT90CN_FW1.19_TEST_GPS		🚖 😂	
■ TC68-新模块-9629	MT90		MT90EN_FW1.19.OTA		🛧 🍪	
MT90_G1	MT90	MT90EN_FW1.17B	MT90EN_FW1.19.OTA		🛨 😂	
TN001	MT90	MT90EN_FW1.18B	MT90EN_FW1.19.OTA		۵ 🚖	
■ MVT600						
MT90 G2	MVT600	MT90EN FW1.18B CT COMP			🔶 😂	

#### 2.4.2 Several Devices Selection

#### 2.4.2.1 Roll &select several devices together:

ΓA							-
evice Name:	*	Model:	Y Current Ver	: Change Upgrade Files:	*		
Device Name	Model 🔺	Current Ver		To Ver	Uploaded		
MT90-#1-012207007708610	MT90			- MT90EN_FW1.19.OTA			
TC68-863070010098910	MT90			MT90EN_FW1.19.OTA		👲 😂	
MT90-MT51	MT90	MT90EN_FW1.19		MT90EN_FW1.19.OTA		\pm 😂	
90-GC-U-Blox	MT90	MT90_FW1.15A				\pm 😂	
MT90-1	MT90	MT90_Test_V1.12		MT90EN_FW1.19.OTA		\pm 😂	
MT90-Ublox-012896001080545	MT90	MT90CN_FW1.19		MT90CN_FW1.19_TEST_GPS_DRIFTI		\pm 😂	
MT90-3	MT90			MT90EN_FW1.19.OTA		🚖 🍪	
DV647-MT90-排版动7	MT90	MT90_FW1.15A				全 😂	
MT51T-7068	MT90	MT51T_FW1.19				🛨 😂	
MT57_YS_000	MT90			MT90EN_FW1.19.OTA		🛨 😂	
MT51T_099	MT90			MT90EN_FW1.19.OTA		🚖 😂	
MT51T-qu1	MT90			MT90EN_FW1.19.OTA		\pm 😂	
MT51T-qu2	MT90			MT90EN_FW1.19.OTA		🛨 😂	
MT51_YS_1111111	MT90			MT90EN_FW1.19.OTA		🛨 😂	
MT90-9730	MT90	MT90CN_FW1.19		MT90CN_FW1.19_TEST_GPS_DRIFTI		🛨 🥹	
TNO01	MT90	MT90CN_FW1.19		MT90CN_FW1.19_TEST_GPS_DRIFTI		🚖 😂	
MT51-TZG1	MT90			MT90EN_FW1.19.OTA		\pm 😂	
GCCS012896001074753	MT90	MT90CN_FW1.18B		MT90CN_FW1.19_TEST_GPS_DRIFTI		\pm 😂	
MT90_6572	MT90	MT90EN_FW1.19		MT90EN_FW1.19.OTA		🛨 🍪	
P261C-TC68 9777	MT90	TC68 FW1.01 2012	0720			🔶 🏠	



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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:

ΟΤΑ					
Device Name:	•	🖌 Model: MT90 🛛 👻 l Currei	nt Ver: 1.18B 🔍   Change upgrade	e files: T1_FW1.19FA.OTA	
Device Name	Model 🔺	Current Ver	To Ver	Uploaded	
■ MT90					
GCCS012896001074753	MT90	MT90CN_FW1.18B	MT90CN_FW1.19_TEST_GPS		🛨 🍪
MT90_6572	MT90	MT90EN_FW1.18C_TEST_DRIF	MT90EN_FW1.19.OTA		🚖 😂
TNO01	MT90	MT90EN_FW1.18B	MT90EN_FW1.19.OTA		🚖 😂

#### 2.4.2.3 Click"Select All" to display all devices and "Select None" to cancel the selection:

Select All	Select None	Read Firmware Version	Upgrade selected	Cancel OTA upgrade	

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.

0TA						
Device Name:		Model:	✓ Current Ver:	🔍 🛛 Change upgrade	files: MT90EN_FW1.19.OTA	~
Device Name	Model 🔺	Current Ver	To Ver		Uploaded	
∃ MT80i						
mt80i-1	MT80i					
mt80-3	MT80i					
mt80-2	MT80i					
■ MT88						
MT88	MT88					
⊟ мт90						
012207007722850	MT90		MT90EN_	FW1.19.OTA		
MT90-#1-012207007708610	MT90		MT90EN_	FW1.19.OTA		
TC68-863070010098910	MT90		MT90EN_	FW1.19.OTA		
MT90-MT51	MT90	MT90EN_FW1.19	MT90EN_	FW1.19.OTA		
90-GC-U-Blox	MT90	MT90_FW1.15A				
MT90-1	MT90	MT90_Test_V1.12	MT90EN_	FW1.19.OTA		
MT90-Ublox-012896001080.	MT90	MT90CN_FW1.19	MT90CN_	FW1.19_TEST_GPS		
MT90-3	MT90		MT90EN_	FW1.19.OTA		

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

MT90_6572	MT90	MT90EN_FW1.18C_TEST_DRIF	MT90EN_FW1.19.OTA	2.8%	🛨 🕹
TN001	MT90	MT90EN_FW1.18B	MT90EN_FW1.19.OTA	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	全 🝪
TN001	MT90	MT90EN_FW1.18B	MT90EN_FW1.19.OTA	Upgrade Successfully	全 🝪

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 <u>info@meitrack.com</u> if you have any questions.