# **ΜΕΟΙΛΤΕΚ**

## Title: Usage to MTK SN\_STATION Tool

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## Agenda

### Introduction

### SN\_STATION Tool Operator Procedure

### • UI & Write Example

- □ Feature Phone BT address(Meta mode)
- □ Feature Phone Barcode (AT mode)
- □ Smart Phone IMEI(Meta mode)

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# **ΜΕΟΙΛΤΕΚ**

## Introduction

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## Introduction 1/2





## Introduction 2/2

### MTK SN\_STATION tool has four major functionalities:

### - Barcode

Production Serial Number for a PCBA, is usually use to identify
 PCBA. Each PCBA should have a barcode number to keep the its test item in production line. So Barcode should be write to PCBA first after Bin download, or before ATE calibration, support max 64 decimal digits

– IMEI

- International Mobile Equipment Identity, is a number unique to every GSM and WCDMA phone, 14 decimal digits + 1 check digit

- Wifi Mac Address : 12 decimal digits
- BT Address : 12 decimal digits
- Four IN One:

- You also can use the Four IN one function that can write Barcode, IMEI, Bt address, Wifi Mac address at a time



# **ΜΕΟΙΛΤΕΚ**

## **Tool Operator Procedure**

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## **SN\_STATION Tool Operator Procedure 1/2**

In the select the target mobile Connection setting : use USB or UART.
If choose UART, please select correct baud rate, default is 115200

◆2. Select the **Operator Mode** : Meta/ AT mode

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- If select the Meta mode, must load correct NVRAM datebase of MAUI; AT mode don't need NVRAM database file
- Note: Current AT mode only support Feature Phone
- ◆3. Select the operation to Platform and Function : Feature/Smart Phone



- ◆4. Select the **NVRAM database** file(if AT mode, this step can pass)
  - If platform is Smart Phone, AP database and modem database must load

as Decuments and Cattings with 71E10 Decktors Comel Jacksfer Co		
c. volocuments and bettings with 71016 (Desktop/SomeOseinro/Sr	martPhone_DataBas	Modem Database
AP Database		
c:\Documents and Settings\mtk71518\Desktop\SomeUseInfo\Sr	martPhone_DataBas	AP Database



AT Mode

Meta Mode

MODE Select:

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### **SN\_STATION Tool Operator Procedure 2/2**

- ◆5. Click the START Button to commence the write operator
  - Note: If Device is Datacard(such 76M datacard), please checked the Switch\_data\_card at the top-right corner.



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◆6. Input the <u>correct data and click Enter Button to wait for connecting target</u>

BT Address (12 Bytes)	×
Please scan SmartPhone BT address	then Power On phone
<u>E</u> nter	Esc

- ◆7. Inset the USB cable to connect with Target
  - This is for Meta mode; If AT mode, the Dialog box appear after connect with target
  - The dialog box reappear again when the barcode or IMEI has been successfully written, right now you can connect the next handset with USB cable
- ◆8. The operator result display on main UI :
  - Write Result Indicator turn Green mean Success, Red mean Fail





## **ΜΕΟΙΛΤΕΚ**

## **UI & Write Example**

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## **UI & Write Example**

### Feature Phone BT address(Meta mode)

1) Set Function Select to

"Write BT Address" + "Feature Phone" + "Meta mode"

- 2) Select COM PORT "USB VCOM"
- 3) Select the database file for your phone
- 4) Press the "START" button
- 5) Scan the BT address, then press "Enter" button or type "Enter" key
- 6) Now insert the USB cable make your phone to enter META mode
- 7) Wait for the operator result, if the
- "Write Result Indicator" turn Green mean the

operator is successfully, else if "Write Result Indicator"

turn **Red** mean the operator is **Fail** 

BT Address (12 Bytes)	
Please scan BT address, then Power On	phone
3122222222	
Enter 5	Esc





ΜΕΟΙΛΤΕΚ

## **UI & Write Example**

#### • Feature Phone write Barcode(AT mode)

1) Set Function Select to

"Write Barcode" + "Feature Phone" + "AT mode"

- 2) Select COM PORT "USB VCOM"
- 3) Press the "START" button
- 4) Now insert the USB cable to power on your phone
- 5) Scan the Barcode, then press "Enter" button
- 6) Wait for the operator result, if the
- "Write Result Indicator" turn Green mean the

operator is successfully, else if "Write Result Indicator"

turn Red mean the operator is Fail

Please scar	Barcode, then Pow	verOn phone.	J	
32111111	1132114			
]	Enter	5	Esc	7





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## **UI & Write Example**

#### Smart Phone write IMEI(Meta mode)

- 1) Set Function Select to
  - "Write IMEI" + "Smart Phone" + "Meta mode"
- 2) Select COM PORT "USB VCOM"
- 3) Select the database file for your phone
- 4) Press the "START" button
- 5) Scan the IMEI , then press "Enter" button
- 6) Now insert the USB cable make your phone to enter META mode
- 7) Wait for the operator result, if the
- "Write Result Indicator" turn Green mean the

operator is successfully, else if "Write Result Indicator"

turn Red mean the operator is Fail

8) Note: if IMEI Option check the Lock IMEI, this mean the IMEI can only write one times if operator is successfully. If you want to rewrite IMEI again, you must Format FAT!!!



Function Select	Connection Setting	IMEI Options
Write IMEI	EaudRate, 115200 💌	Check Sum
MODE Select:	COM PORT: USB VCOM	Thee IMEI
P Backup Nyram Option	— <mark>MAC Addr Option</mark> ☐ SP tWBAM To Pile JT Exable M	AC Header
NVHAM Database File		
c:\Documents and Settings\mtk71518 AP Database	\Desktop\SomeUseInfo\SmartPhone	_DataBas Modem Database
c:\Documents and Settings\mtk71518	\Desktop\SomeUseInfo\SmartPhone	DataBas AP Database
Autority, alion File		Ágili Filo
QUIT	Write Result Indicator	rom

# **ΜΕΟΙΛΤΕΚ**



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#### 1. What can I analyse when the operator fail?

-- Actually all operator log information display on the main UI, such as

N Writer Log	
>> Prepare_for usb at cmd	
Get Dynamic USB Com Port Fail!	
>>Step: Enter func_imei_meta_hdlr_smart_phone_modem();	
Write IMEI to smartphone modern nyram	
>>Step: Start to Init Modern Nyram Database	
OK: Init Modem Nyram Database successfully.	
>><<	
>>Step: Scan Smartphone IMEL	
	Ŧ

2. If you want to get help from MTK, what information should I offer?

-- As the No.1 refer , you can provide the UI Log and the META\_DLL.log file, and the META\_DLL.log file path default is "C:\"; If Smart Phone, SPMETA\_DLL.log also need.

3、If platform is MT6582 smart phone, you should add such items in SN\_SETUP.txt

- -- World Phone MD Index = 1
- -- World Phone SW Version = 3 or 5(3: WCDMA phone; 5: TD phone)





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