

MM10 Operating System update (20120627)

I. PC requirement

System requirement:WIN7/32 bit operating system(figure 1.1).

In order to check your PC configuration press:

- 'Start'
- Right click on 'Computer'
- 'Properties'

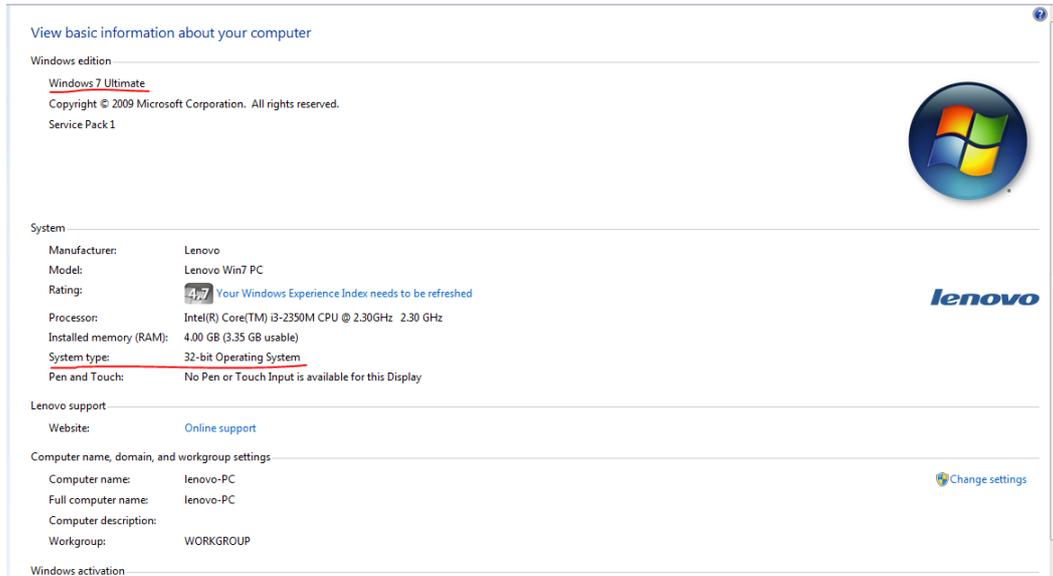


figure1.1

II. OS Update Tool installation

In order to update MM10 Operating System, Hisilicon toll (IDT) has to be installed on the PC.

The tool can be found on <ftp://ftp.ashtech.com/Mobile%20Mapping/MobileMapper%2010/> in the Operating System/ OS update tool section

IDT software tool installation:

Step 1: Double click IDT.exe, turn into installation as figure 2.1:

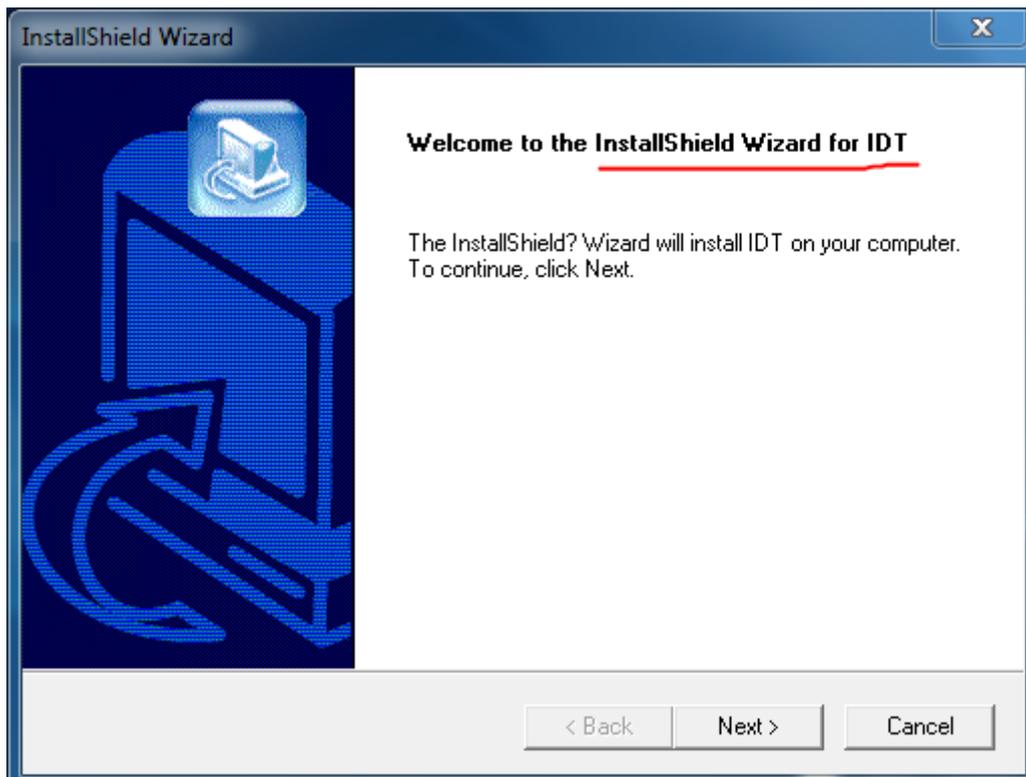


figure2.1

Step 2: Click Next, as figure 2.2:

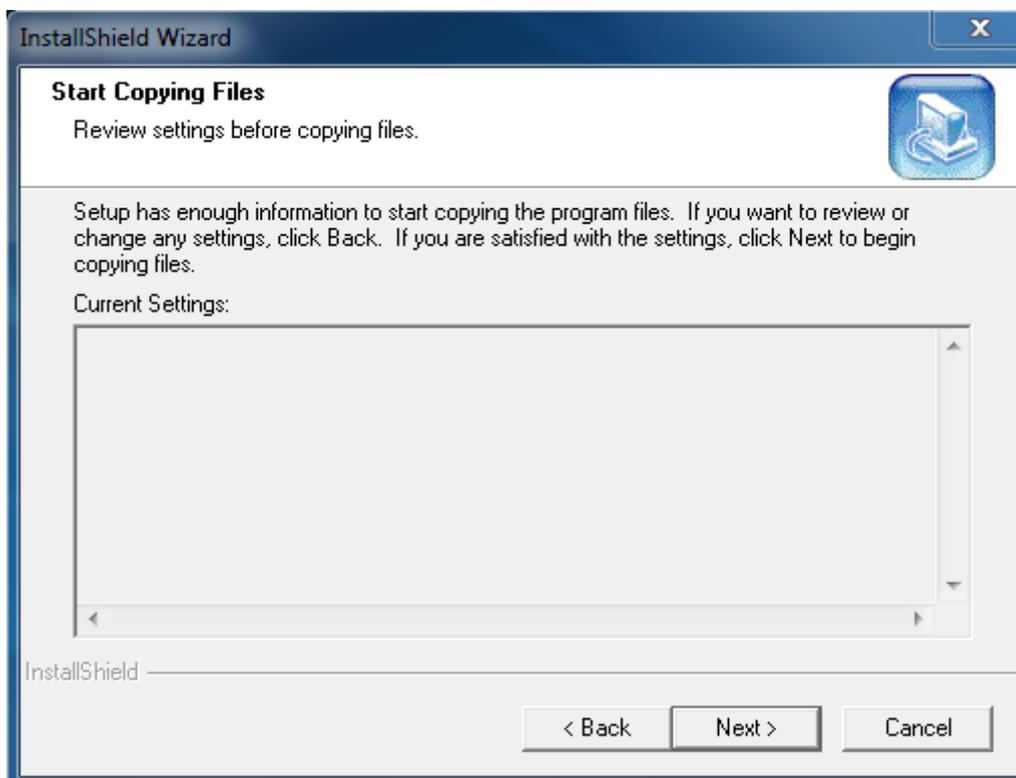


figure2.2

Step 3: Select directory where you want to install the software, here we select 'C:\Program Files\HiSilicon\IDT', as figure 2.3:

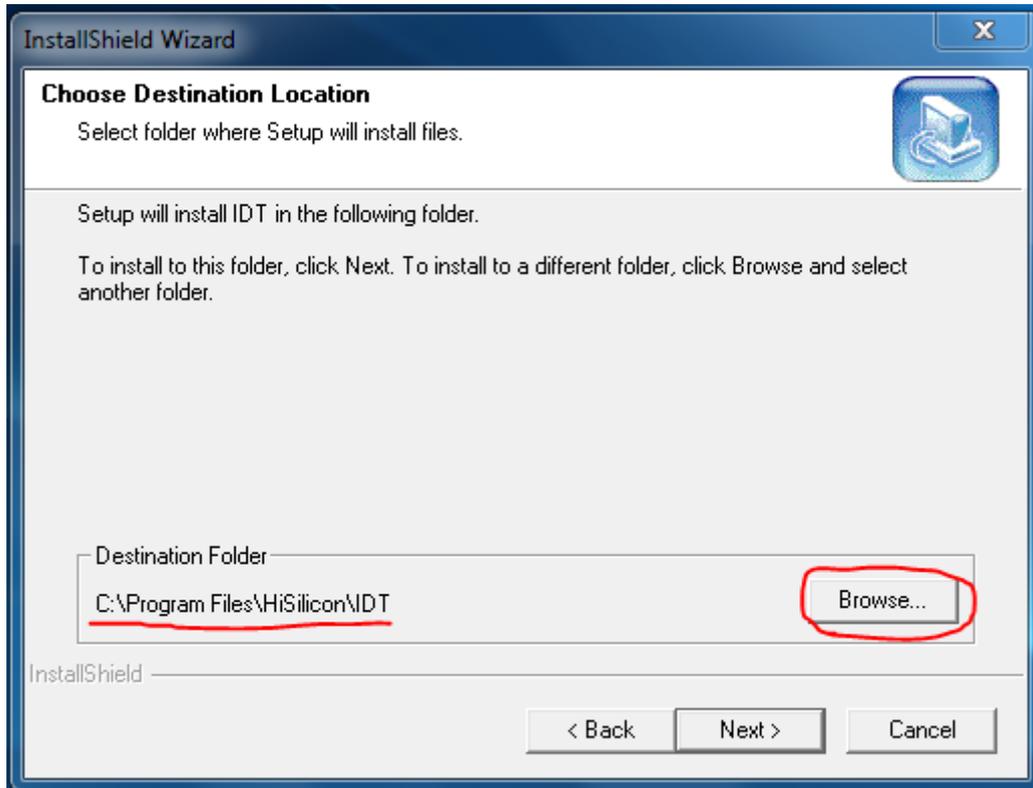


figure2.3

Step 4: after finished, click 'Finish' as figure 2.4.

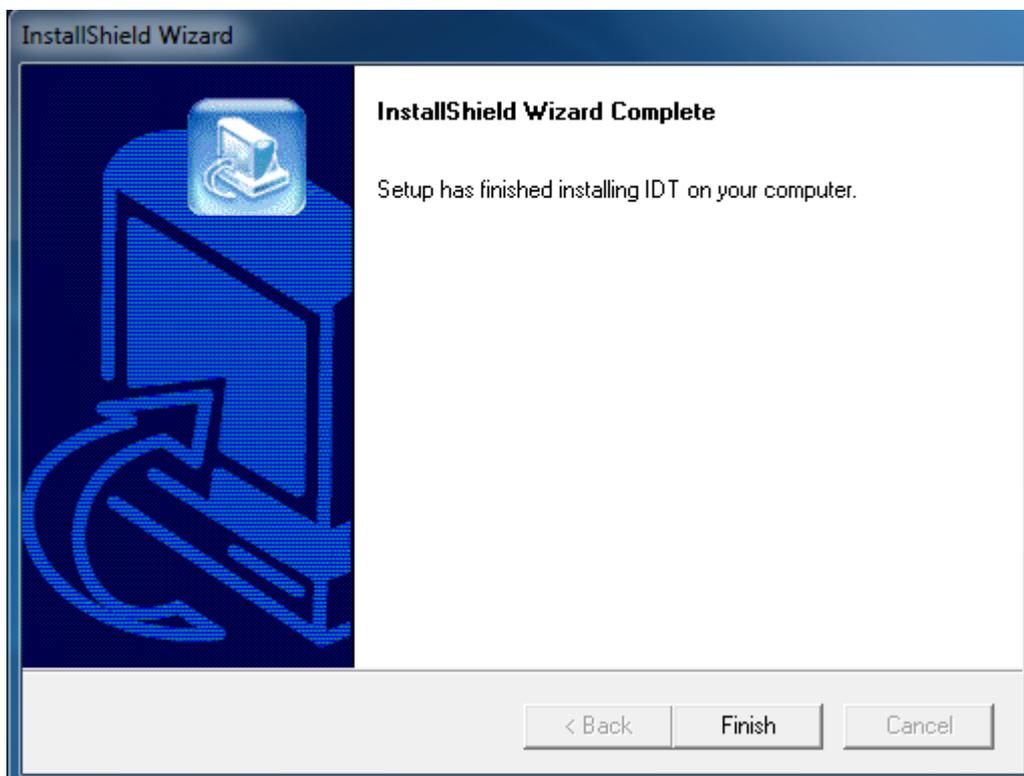


figure2.4

III. Install USB driver

If the PC is used for upgrade with Hisilicon for the first time, USD driver is required. If the USB driver has already been installed, please go to Part IV directly: install OS.

Step 1: turn the device into download mode.

Press F1 & F2, and at the same time press Power (figure3.1)

The device is switched on in downloading mode(figure3.2)



figure3.1 F1+F2 and at the same time Power



figure3.2 Downloading icon

Step 2: Open PC start menu, press (Start)——>(Control Panel) ——>(System and Security) ——>(System) ——>(Device Manager).

Process as following(3.3-3.6):

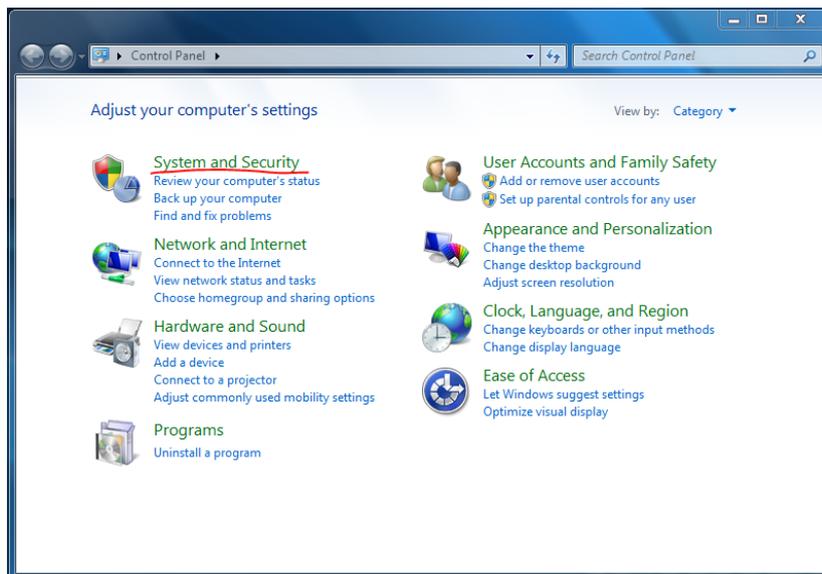


figure3.3

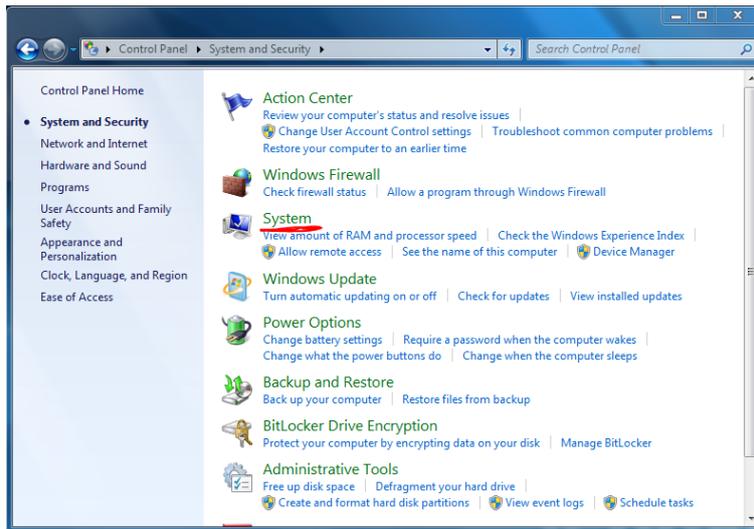


figure3.4

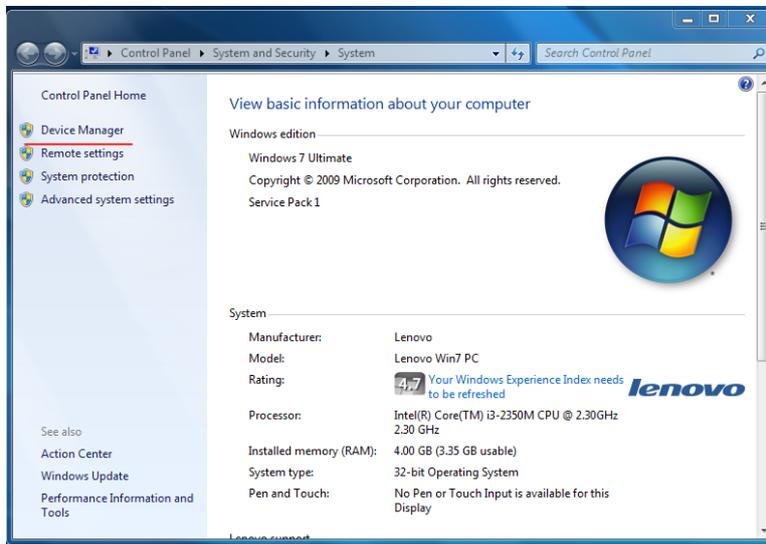


figure3.5

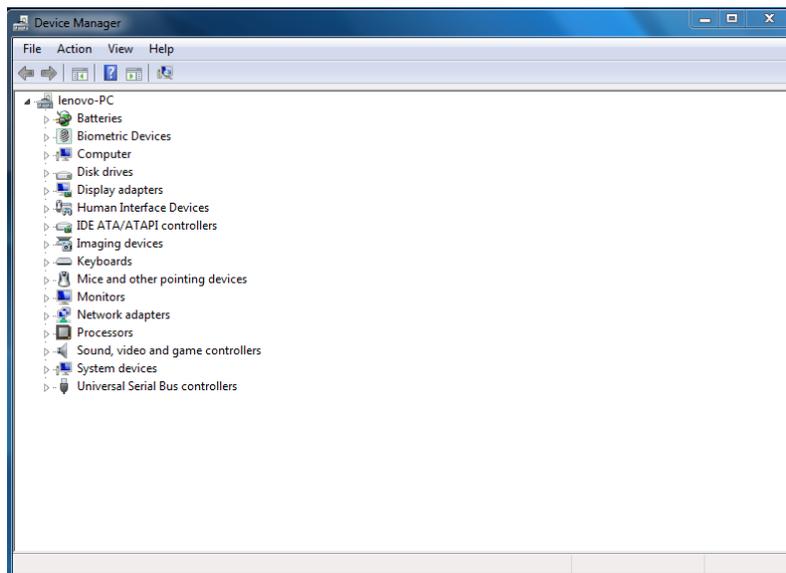


figure3.6

Step 3: connect receiver and PC with USB cable, there will be below hint in 'Device Manager'(figure 3.7):

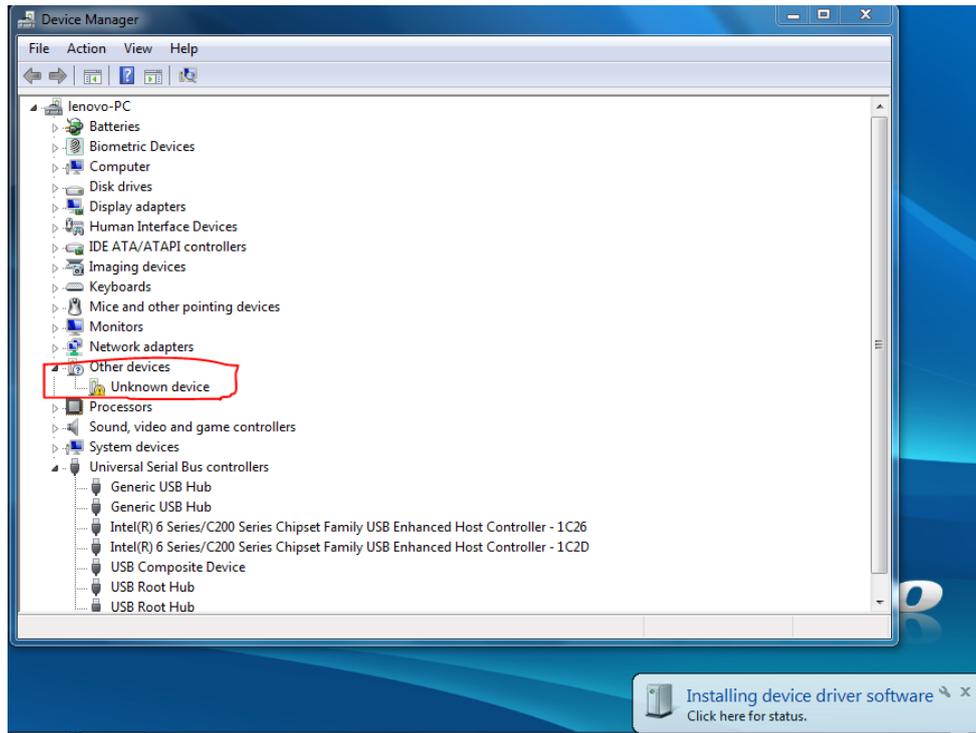


figure3.7

Step 4: right click (Unknown device) under (Other Device), select (Update Device Software), as figure 3.8, select Browse my computer for driver software:

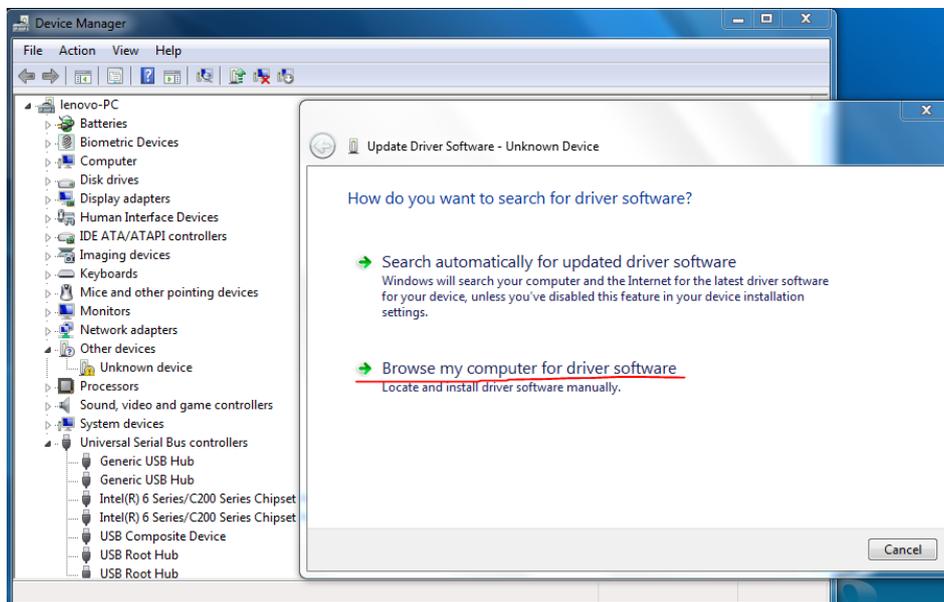


figure3.8

Step 5: click 'Browse', find 'C:\Program Files\HiSilicon\IDT\ USB generic serial' directory where IDT tool is installed, as figure3.9:

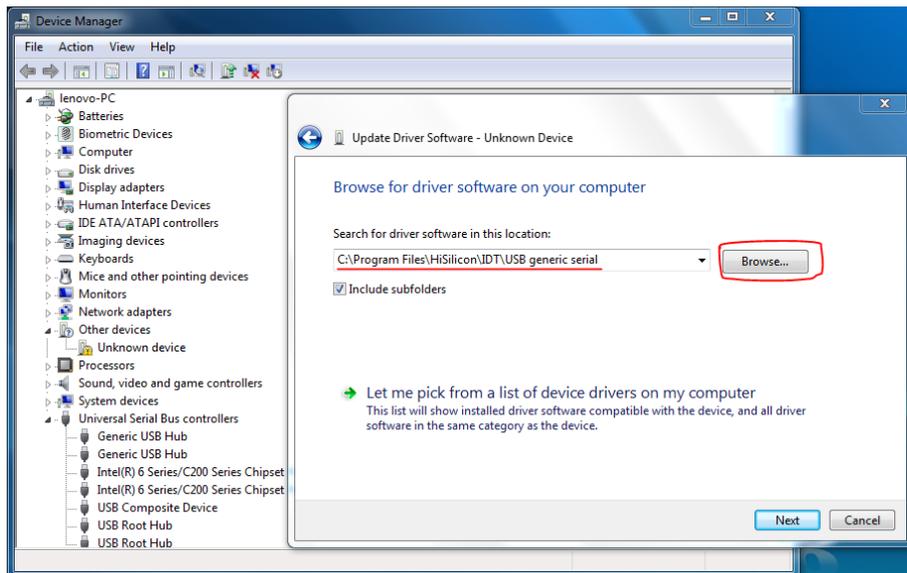


figure3.9

Step 6: click 'next', select 'Install this driver software anyway', as figure 3.10:

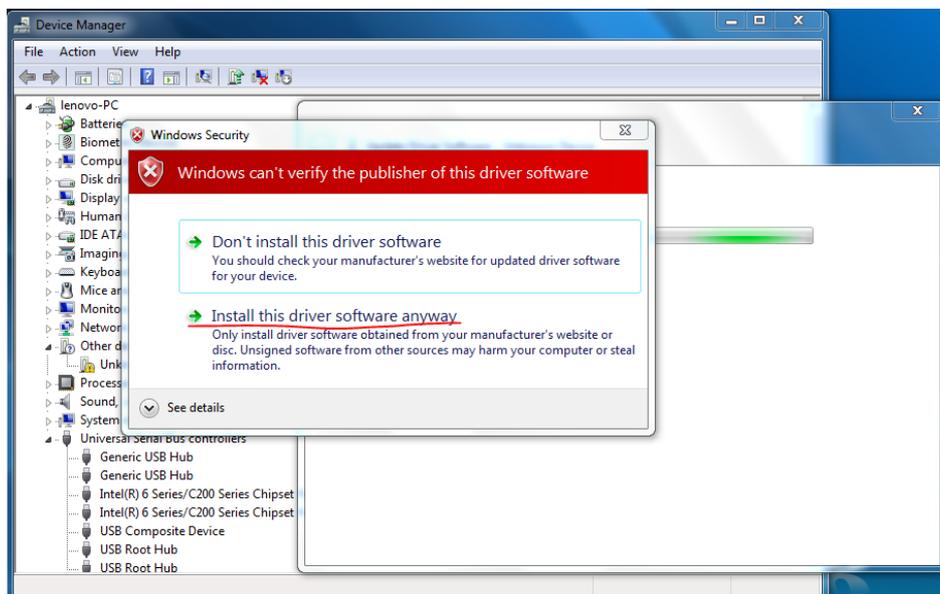


figure3.10

Step 7: after finished, there will be figure 3.11:

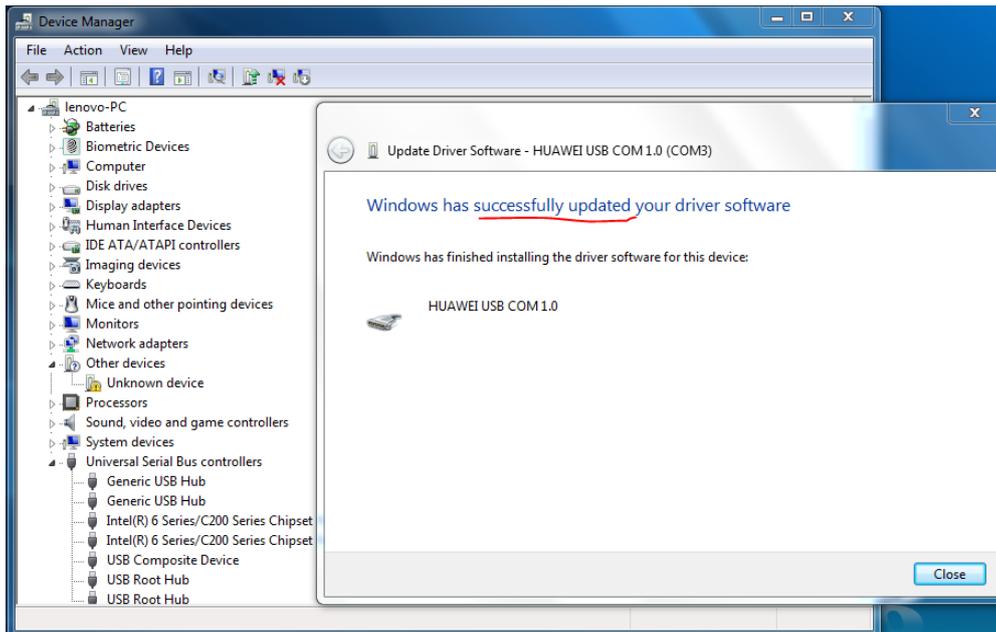


figure3.11

Step 8: USB driver is installed, it appears in the list as figure 3.12:

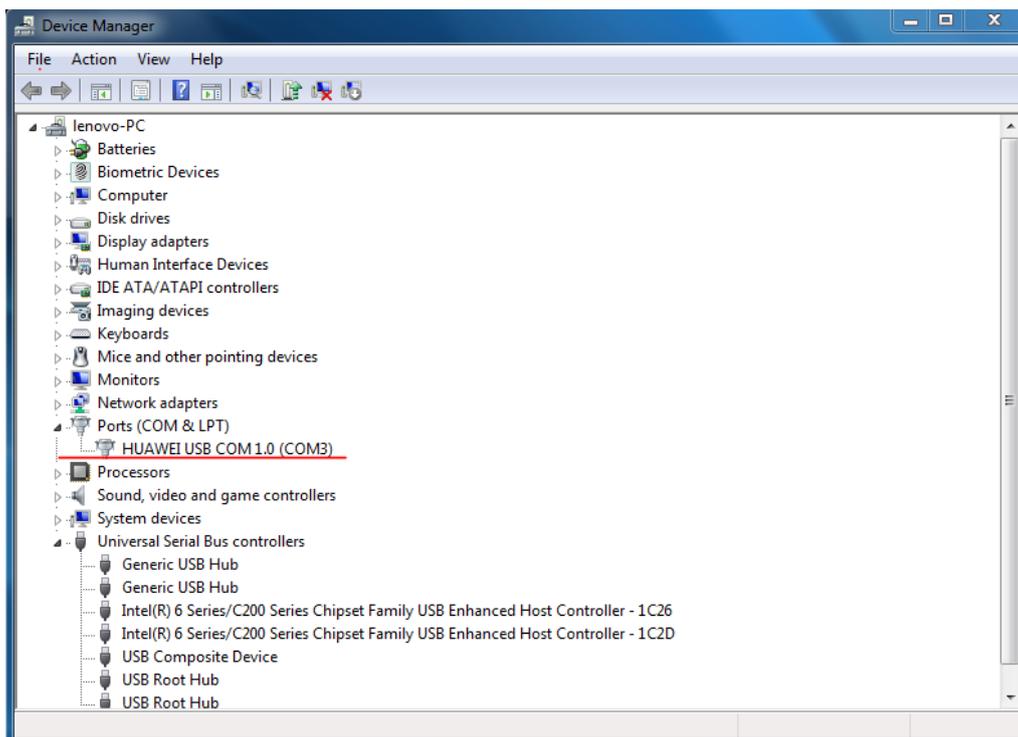


figure3.12

IV. OS update

Step 1: turn the device into download mode.

Press F1 & F2, and at the same time press Power to switch on the device (figure4.1), there will be Downloading icon (figure4.2), it's downloading mode.



figure4.1 F1+F2 & Power key



figure4.2 Downloading icon

Step 2: Run IDT tool (Hisilicon), as figure 4.3:

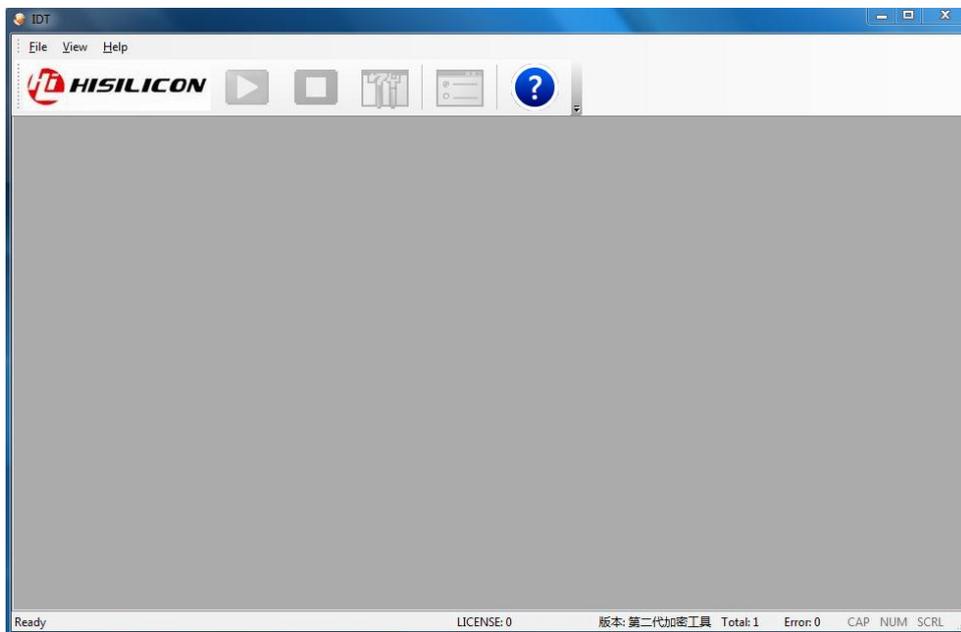


figure4.3

Step 3: Click 'View->ImageDownload', as figure 4.4:

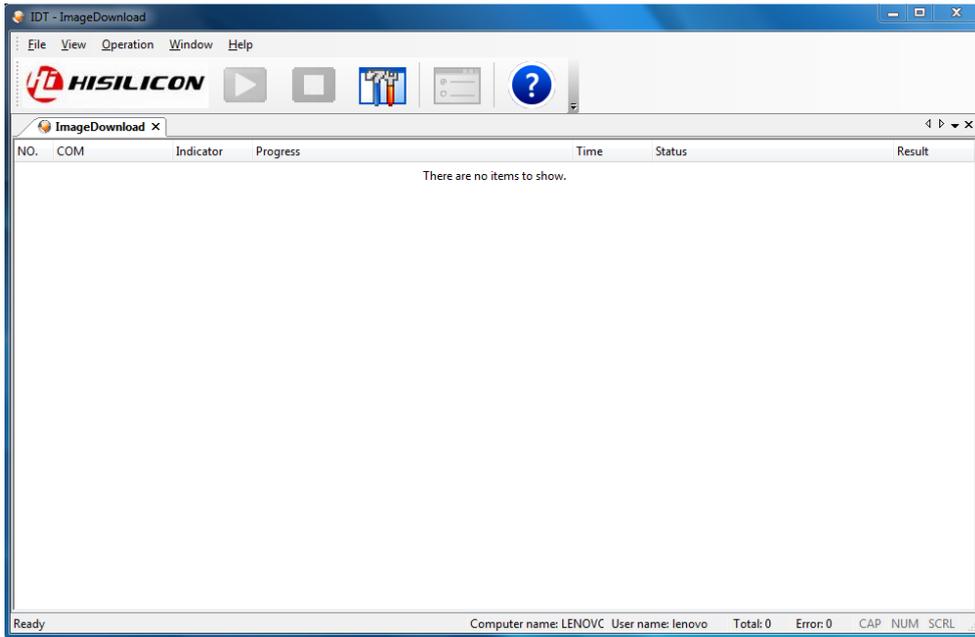


figure4.4

Step 4: click 'Config' tool icon, as shown in figure 4.5:

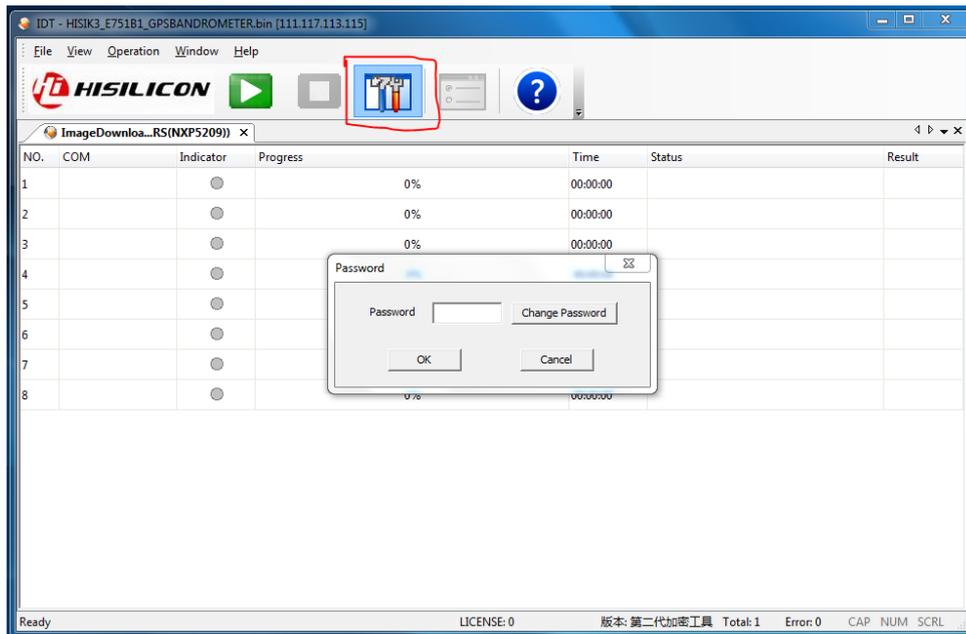


figure4.5

Step 5: input password 'hisilicon', and click 'OK', as figure 4.6:

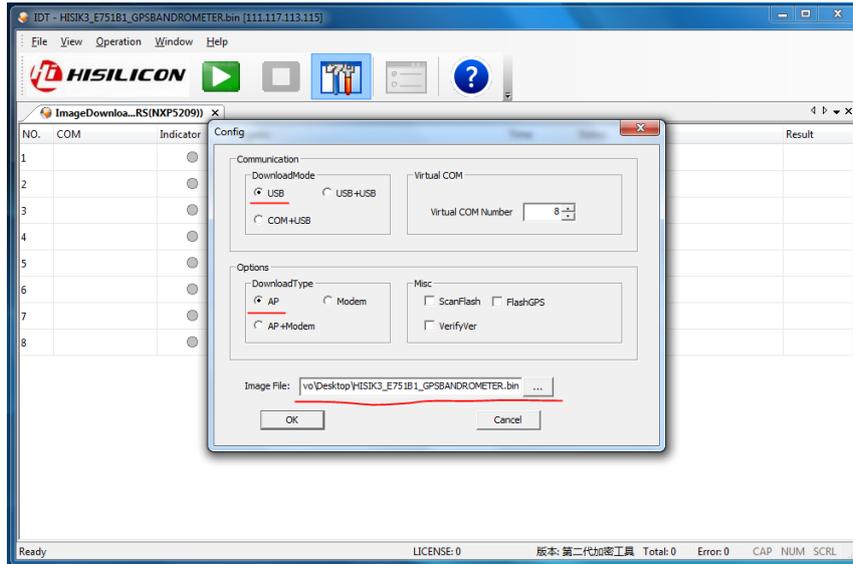


figure4.6

Step 6: click ‘...’ button after (Image File), select .bin file. Select:

DownloadMode: USB

DownloadType: AP

Misc: do not check

Step 7: click ‘OK’, as figure 4.7:

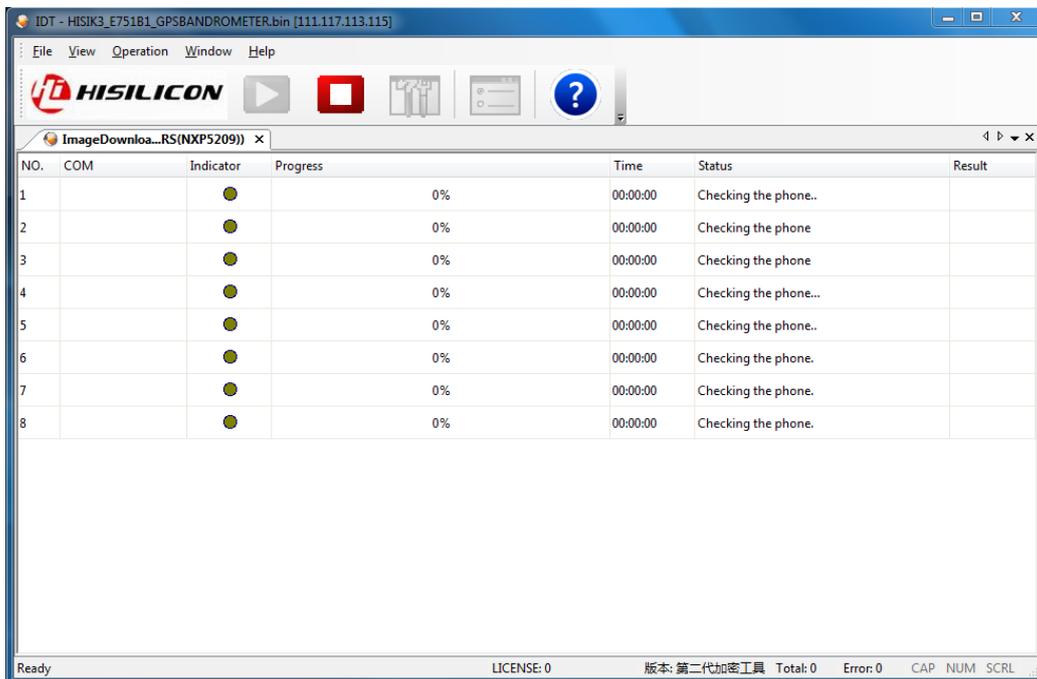


figure4.7

Step 8: connect device and PC with USB cable, start update, as figure 4.8:

Remark:

1. There should be enough power in the battery

2. Do not move the device during the update

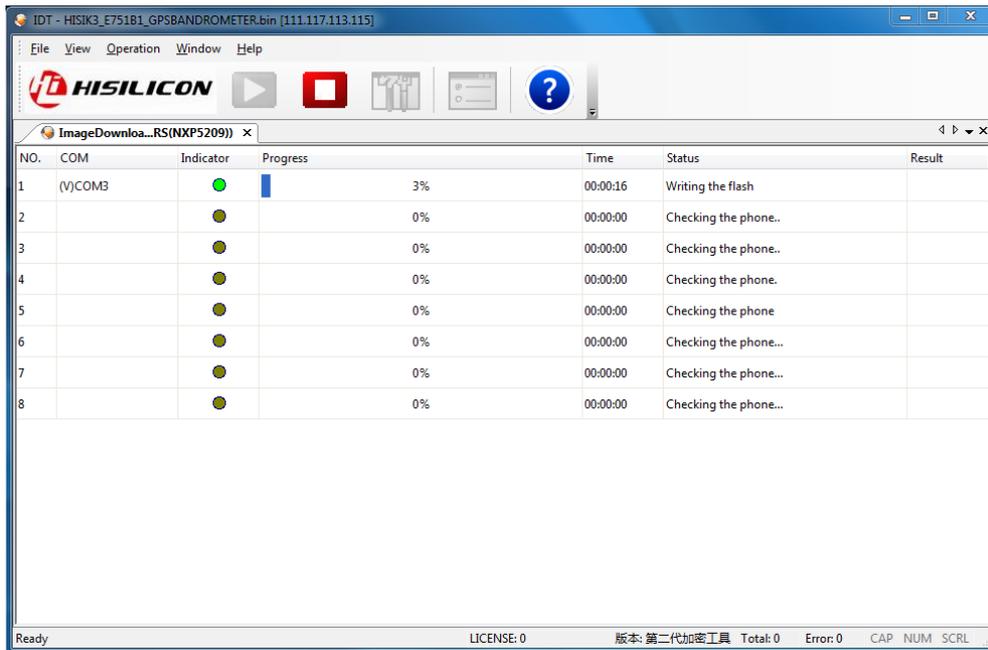


figure4.8

Step 9: update finished, as figure 4.9:

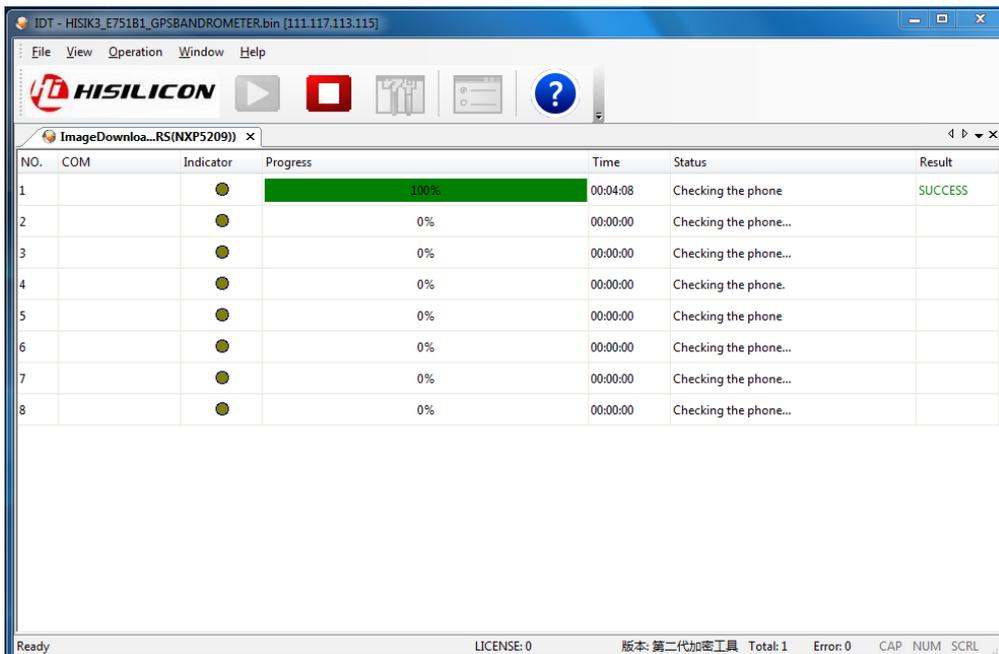


figure4.9

Step 10: generally the device will reboot automatically. If not, remove the battery and restart the device.

V. Possibility to upgrade several receivers at the same time

It is possible with the same IDT (Hisilicon) software to upgrade up to 8 receivers simultaneously.

You have to use a USB hub . For example: **Newlink 10 Port USB 2.0 Hub**

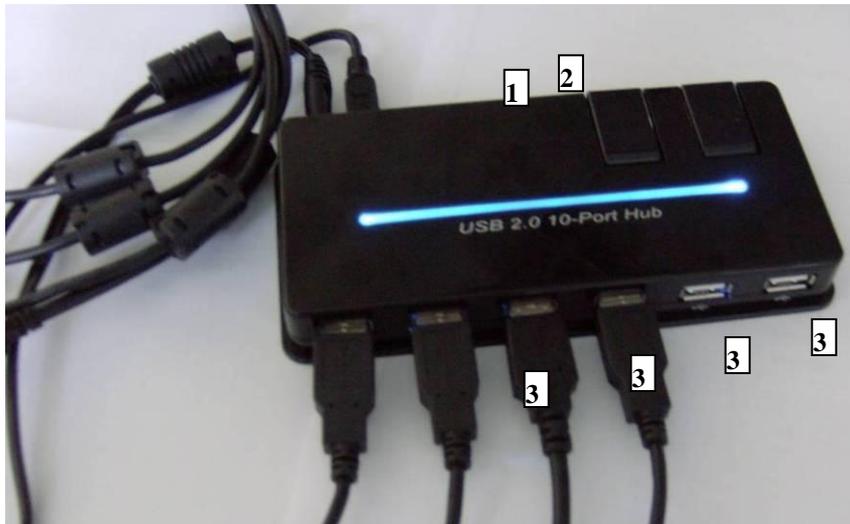
10 Port USB 2.0 Hub



- High speed 10 port USB 2.0 hub
 - 8 Fixed and 2 folding USB ports for larger peripherals
 - Slim design to save desk space
 - Supports Win XP/Vista/7
- Contents: Hub, ac adaptor, USB cable and user guide

615533

Order Code	price each	
	+	+
1848125	— —	— —

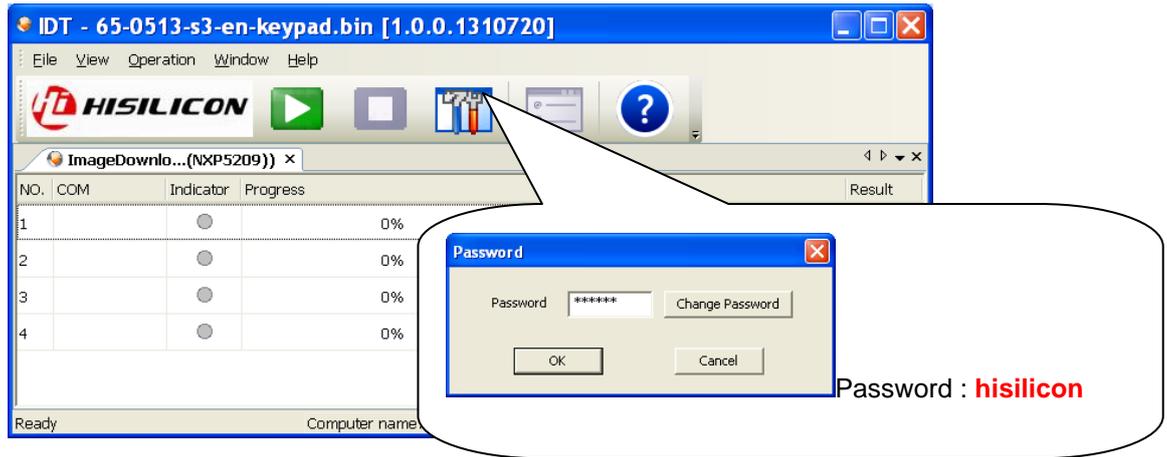


Step1 :

- Connect power cable -**1**
- Connect USB cable to on which Hisilicon tool is installed -**2**
- Connect the 8 USB cables

Step2 :

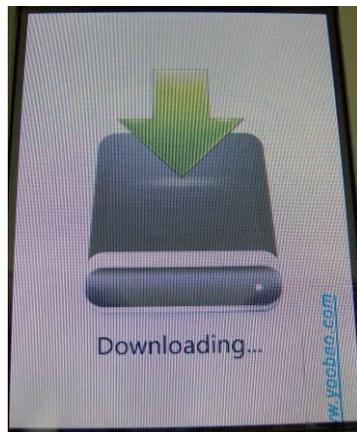
Run Hisilicon in the same way as described previously, in IV step2
And upload the required OS bin file



Step3:

Configure the 8 receivers for upload:

Insert a battery and switch on in the upload mode (Press ,  and power simultaneously. As described previously in IV Step1



Step4:

Connect one by one all the USB cables to the receivers and the upload will start automatically



IDT - 65-Itk-s3-en-Ashtech.bin [1.0.0.1310720]

HISILICON

ImageDownloa...RS(NXP5209)

NO.	COM	Indicator	Progress	Time	Status	Result
1	(\COM4)	●	47%	00:01:37	Writing the flash	
2	(\COM10)	●	0%	00:00:06	Downloading the image(FLASH)...	
3		●	100%	00:04:19	Checking the phone...	SUCCESS
4	(\COM6)	●	43%	00:01:32	Writing the flash...	
5	(\COM7)	●	38%	00:01:22	Writing the flash..	
6	(\COM8)	●	28%	00:01:14	Downloading the image(FLASH)	
7	(\COM9)	●	1%	00:00:14	Downloading the image(FLASH)	
8		●	0%	00:00:00	Checking the phone.	



Then follow information on display