

Recovery from Boot Failure

BM-170 Windows Mobile

How to Download IPL, ULDR & KERNEL
when the Device Fails to Boot up

Document Change Record

This page records changes to this document.

Version Number	Revision Letter	Date	Description of change
001		05/2011	How to Recover the Device from Boot Failure

1. Situation

(1) Boot failure (no indication on the screen)

: Install "IPL.bin" with the "**Reset**" button and the "**App1**" button

- 1) When its download succeeds

Install "ULDR.bin" with the "**Reset**" button and "**Left**" key (Navigation key)

➔ Upgrade OS using a SD Card or USB Cable.

- 2) When its download fails

Contact to a repair center.

(2) Halt while booting (halt on the "Pidion" screen)

: Enter the ULDR Mode.

- 1) When the device succeeds to enter the ULDR Mode

Upgrade OS using a SD Card or USB Cable.

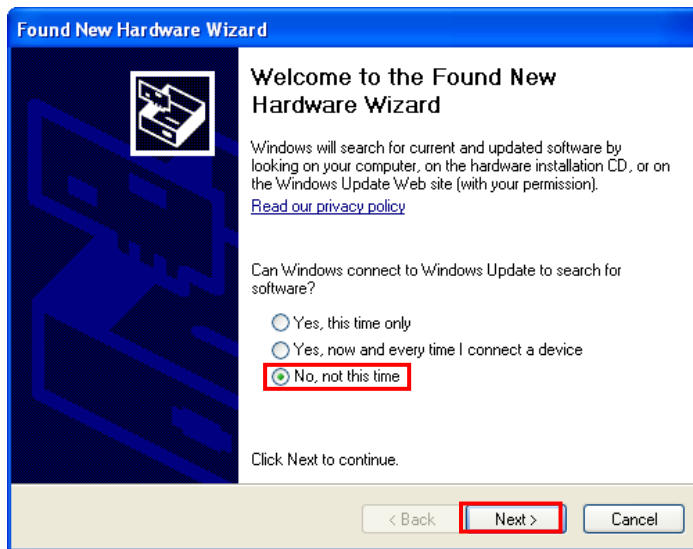
- 2) When the device fails to enter the ULDR Mode

Install "ULDR.bin" with the "**Reset**" button and "**Left**" key (Navigation key)

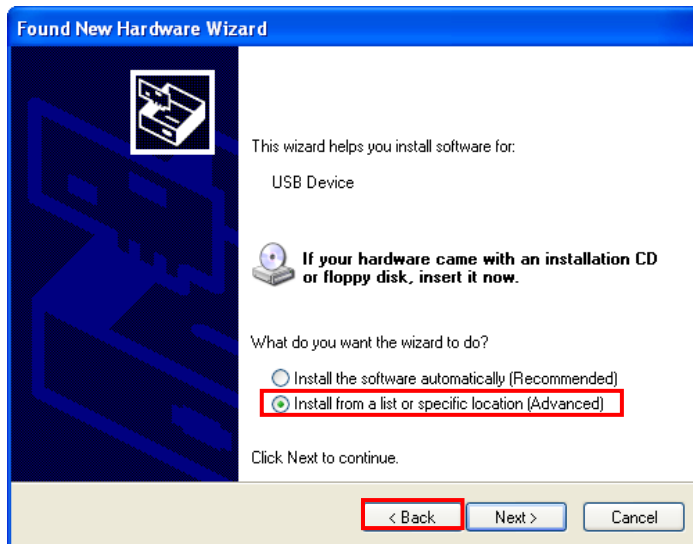
➔ Upgrade OS using a SD Card or USB Cable.

2. Download Preparation

- ① When the “**Found New Hardware Wizard**” appears, extract the Zip file, “**DeviceUsbDriver_winCE.zip**” that has been delivered

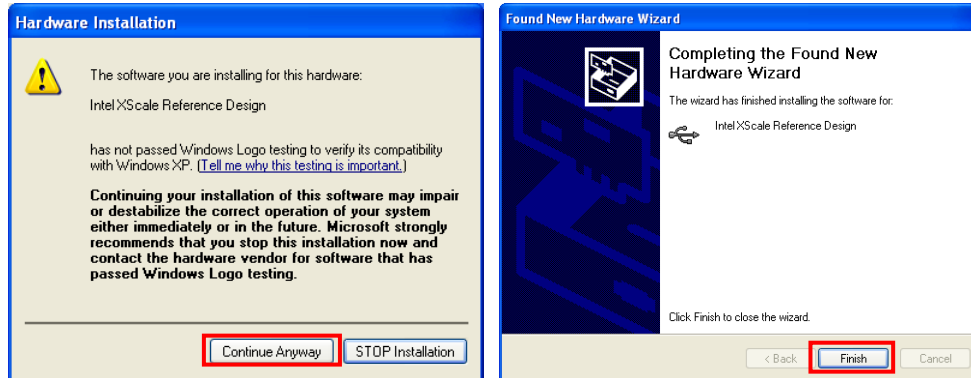


- ② “**Hardware Update**” will start.
Select “**Install from a list or Specific Location (Advanced)**” and “**NEXT**”

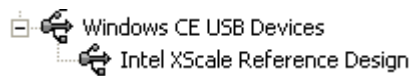


- ③ Check **“Include this location in the search”**
(Uncheck **“Search removable media”**, if it is checked.)
Click **“Browse”** to search downloaded file

- ④ Select the **“PXA320P”** folder under the **“DeviceUsbDriver_winCE”** folder.
Click **“Continue Anyway”**.
USB DRIVER update will start and Click **“Finish”**.



- ⑤ Then, you can find **“Windows CE USB Devices”** on the Device Manager.



3. How to Download “IPL.bin” and “ULDR.bin”

(1)IPL Download

- ① Press the “**App1**” button and keep holding it.



- ② Press “**Reset**” button once

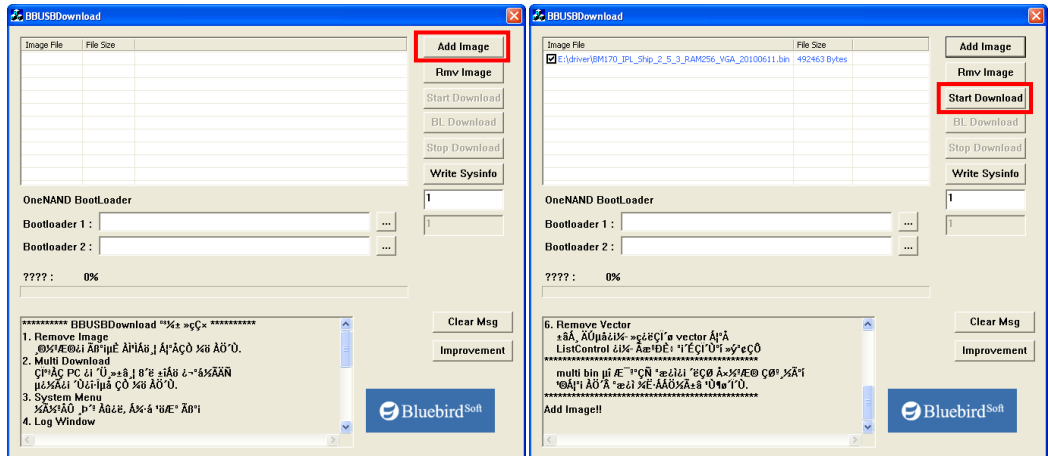


- ③ Keep holding “**App1**” button for 5 seconds

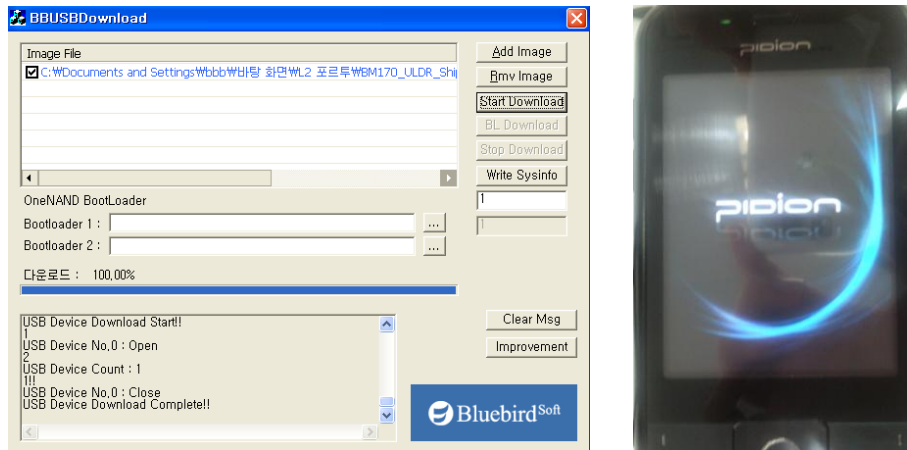


- ④ Run “**BBUsbDownload.exe**” file

- ⑤ If there is no indication on the screen, click **“Add Image”** button and choose the IPL only on the **“BBUSBDownload.exe”**
- ⑥ Click **“Start Download”** button



- ⑦ If the **“BBUSBDownload.exe”** shows the download progress, wait until the device has been reset automatically, and you can see the **“Pidion”** screen.



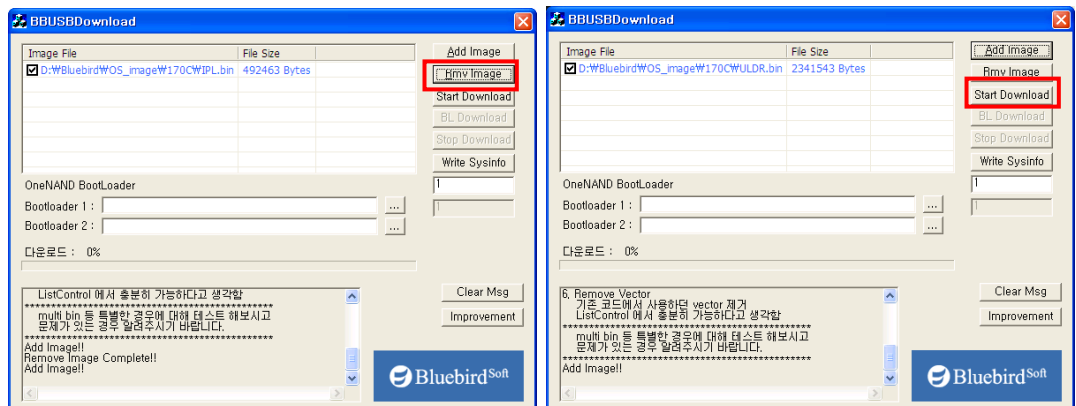
- ⑧ It has been completed when the screen appears.

(2) ULDR Download

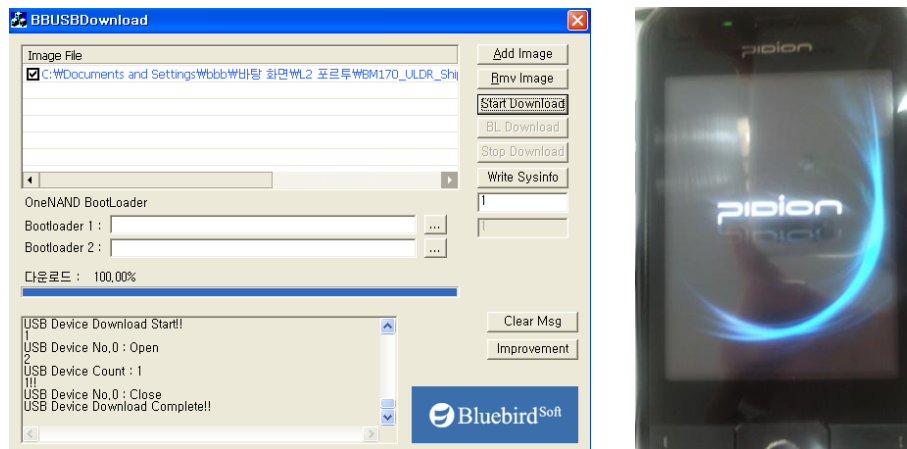
- ① Press “**Left**” key (Navigation key) and keep holding it.



- ② Press “**Reset**” button once
- ③ Keep holding “**Left**” key (Navigation key) for 5 seconds
- ④ Run “**BBUsbDownload.exe**” file
- ⑤ If there is no indication on the screen, click “**Rmv Image**”, click “**Add Image**” button and choose the ULDR only on the “**BBUSBDownload.exe**”
- ⑥ Click “**Start Download**” button



- ⑦ If “**BBUSBDownload.exe**” shows the download progress, wait until the device has been reset automatically, and you can see the “**Pidion**” screen.



- ⑧ It has been completed when the screen appears.

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