

# Recovery from Boot Failure

## **BIP-6000MAX 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 "<"  button

- 1) When its download succeeds

Install "ULDR.bin" with the "Reset" button and "SEND"  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.

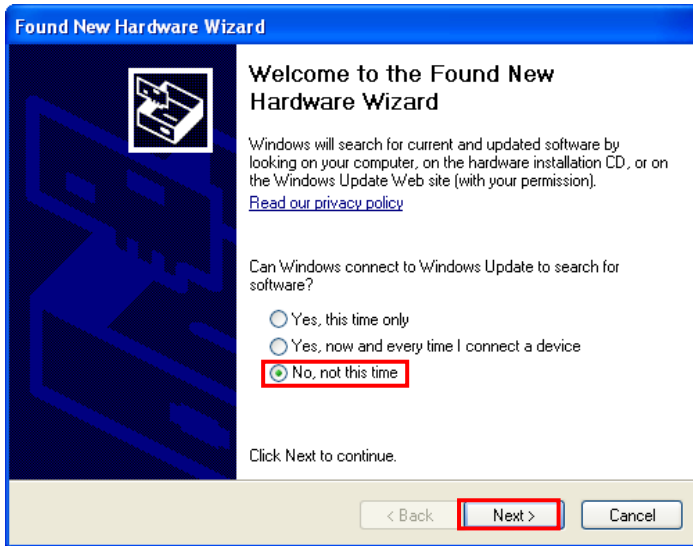
- 2) When the device fails to enter the ULDR Mode

Install "ULDR.bin" with the "Reset" button and "<"  key →

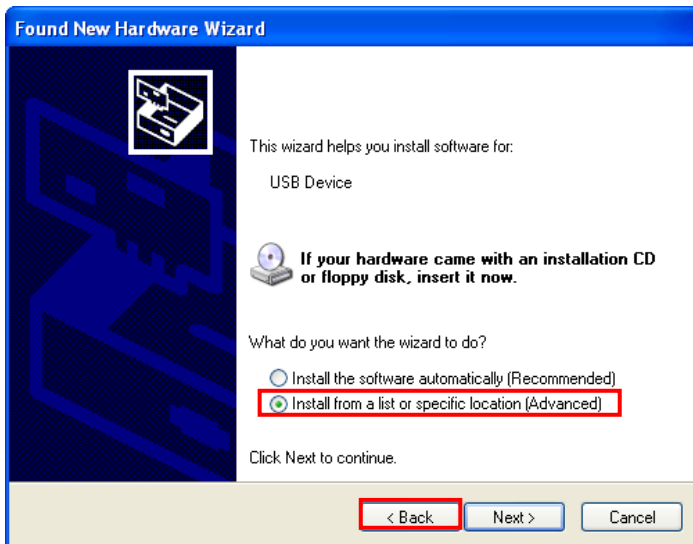
Upgrade OS using a SD Card or USB Cable.

## 2. Download Preparation

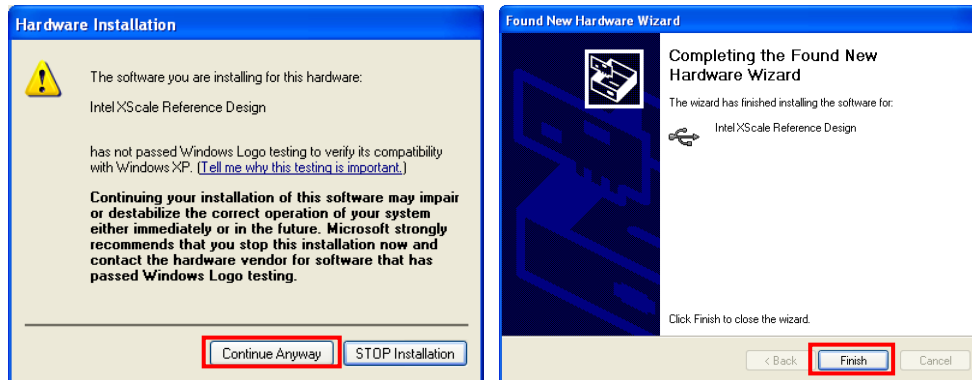
- ① When the “**Found New Hardware Wizard**” appears, extract the Zip file, “**DeviceUsbDriver\_winCE.zip**” that has been delivered



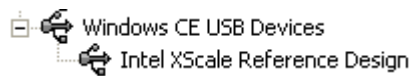
- ② “**Hardware Update**” will start.  
Select “**Install from a list or Specific Location (Advanced)**” and “**NEXT**”



- 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”**.





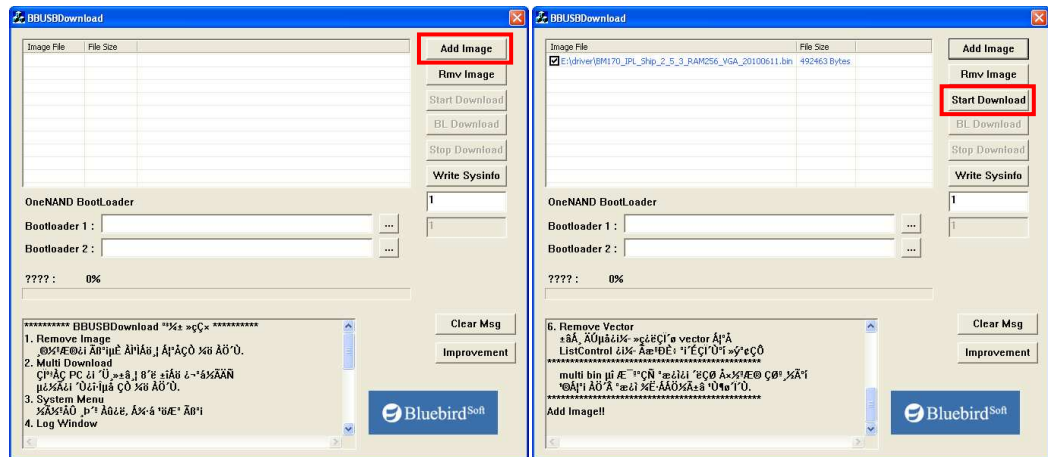
- ⑤ Then, you can find **“Windows CE USB Devices”** on the Device Manager.



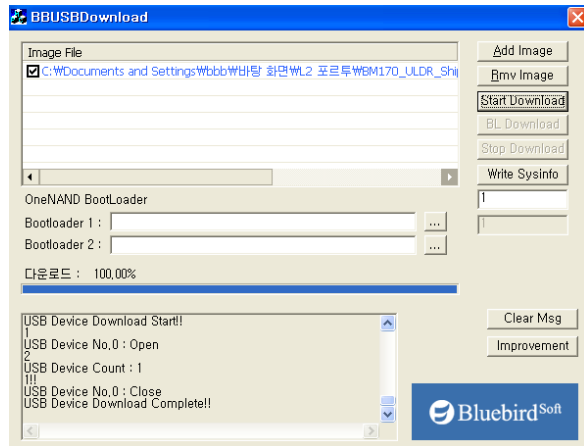
### 3. How to Download “IPL.bin” and “ULDR.bin”

#### (1)IPL Download

- ① Press the “<”  button and keep holding it.
- ② Press “Reset” button once
- ③ Keep holding “<”  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





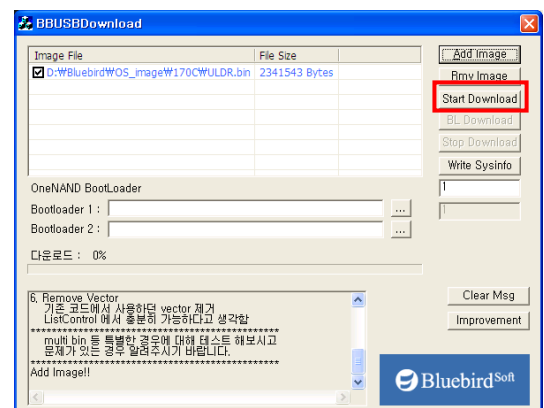
- ⑦ If the “BBUSBDownload.exe” shows the download progress, wait until the device has been reset automatically, and you can see the “Pidion” screen.

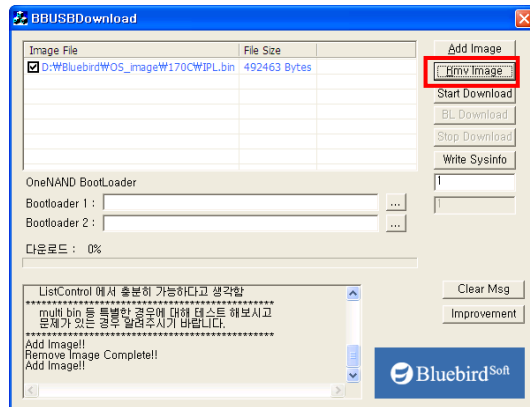


- ⑧ It has been completed when the screen appears.

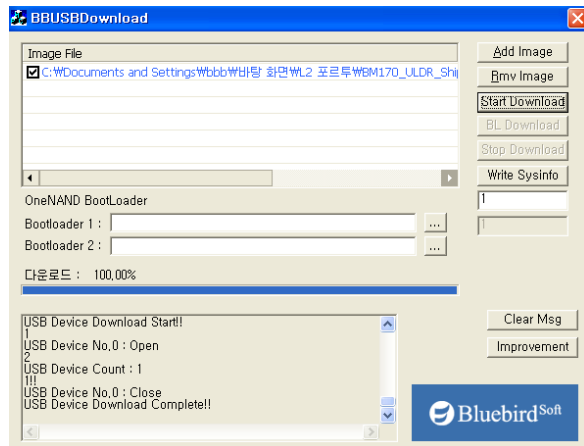
## (2) ULDR Download

- ① Press **“SEND”**  key and keep holding it.
- ② Press **“Reset”** button once
- ③ Keep holding **“SEND”**  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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