

Wireless download with Network Odin



Revision History

Version	Date	Contents	Author	Reviewer
0.6	2015-03-09	Initial Version for factory process	Gwiro Lee	Donghoon Ryu
1.0	2015-04-15	Adding SoftAP and Troubleshooting	Jayoung Gu Gwiro Lee	Jaekil Jeong
1.1	2015-08-29	Update "Enter Reboot Mode" (Page. 4)	Jaehoon You	Jaekil Jeong



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- Wireless Download for Factory Process

1. Wireless Download (1/5)

□ Setup Environment and Enter REBOOT MODE

2. Setup Environment

- It's OK if you can use wi-fi in your PC

3. Run the NetOdin3 on your PC.



4. Enter REBOOT MODE in WC1

- Press and Hold the Power Key for 7 seconds
- Press Power key three times shortly when you see rebooting screen (refer to picture-1)
- Press Power key four times shortly then you can move to "Download (wireless) menu. (refer to picture-2)
- Press and Hold Power key for 3 seconds

❖ Power Key Control Guide

- Short Press : Move
- Long Press : Select



picture-1



picture-2

1. Wireless Download (2/5)

□ Run the softAP at WC1

- Double-click the Power Key
- Then you can see the SSID of softAP on WC1
(refer to picture-2)



picture-2

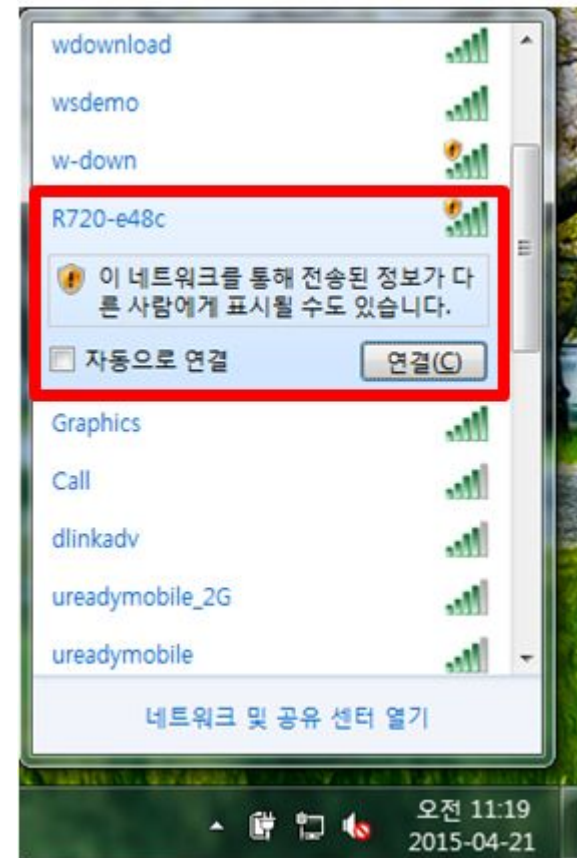
1. Wireless Download (3/5)

□ Search and Select the SSID in PC

- Search and Select the SSID which is displayed on WC1 in your PC



[Search the SSID in PC]

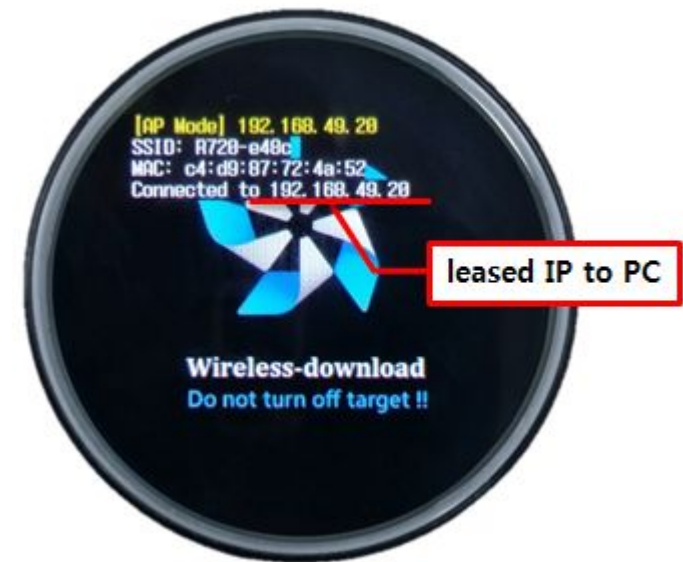
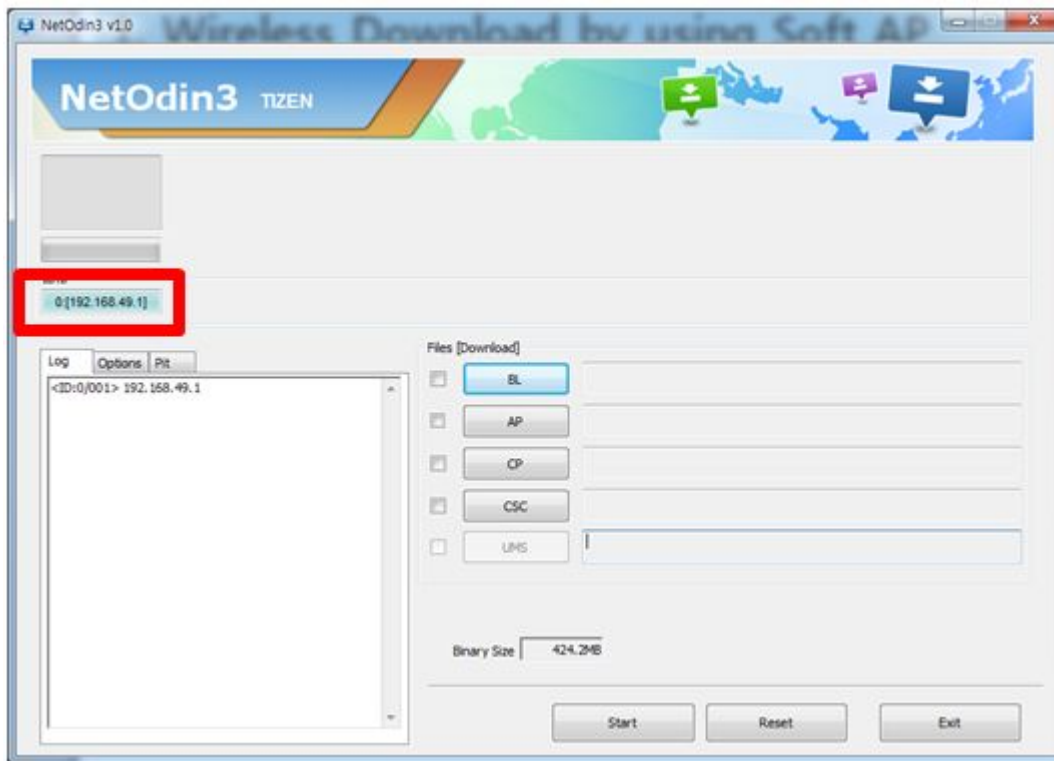


[Select the SSID in PC]

1. Wireless Download (4/5)

□ Check the connection between Odin and WC1

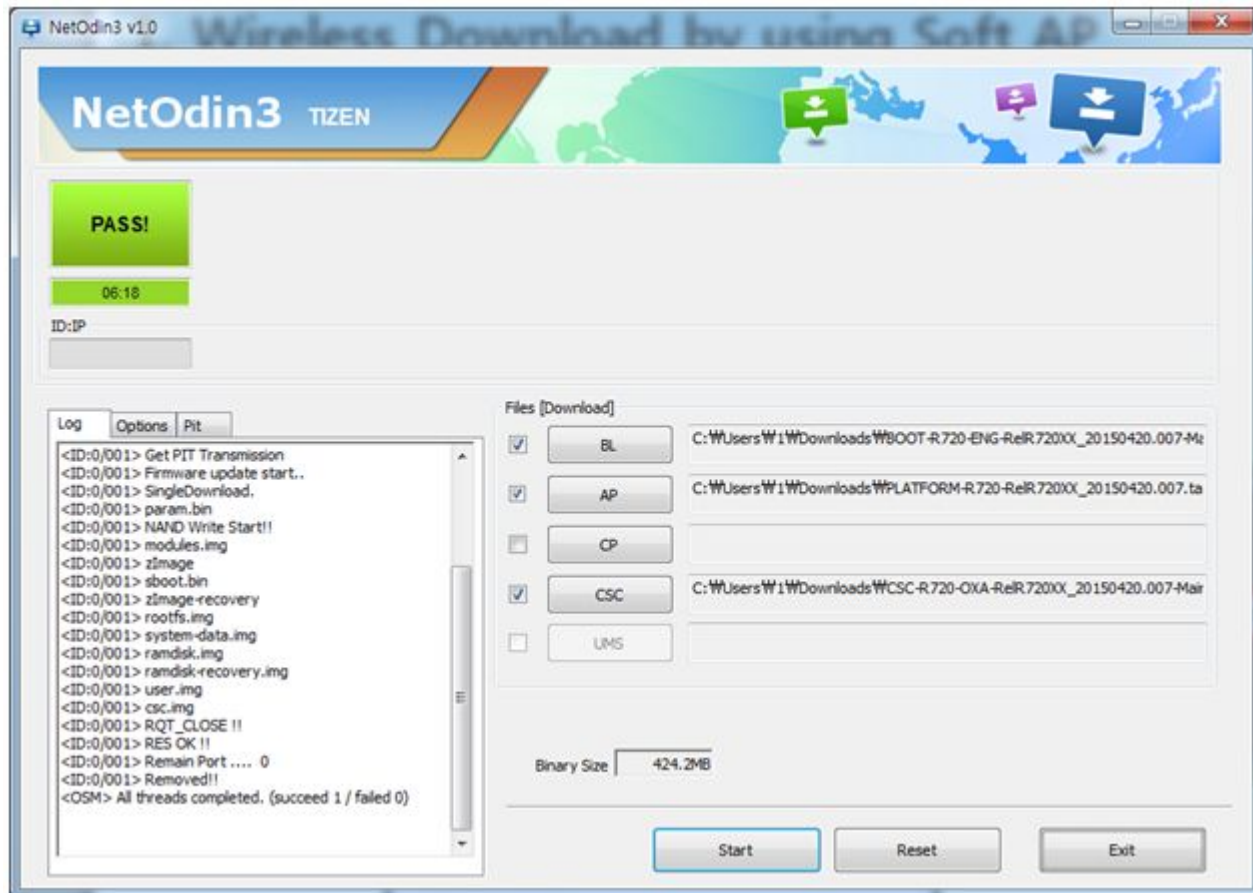
- You can see WC1's IP on Odin and the leased IP to PC on WC1 if Odin and WC1 are correctly connected via wi-fi.



1. Wireless Download (5/5)

□ Download binaries

- Enjoy your wireless download !!!



2. Troubleshooting

□ If you encounter a problem while downloading...

- Please try to check the below list.
- There are no tips to be applied, please report it to Tizen R&D Team.
 - Kyu-Wook Lim(kyuwook.lim@samsung.com)
 - Jaehoon You(jaehoon.you@samsung.com)

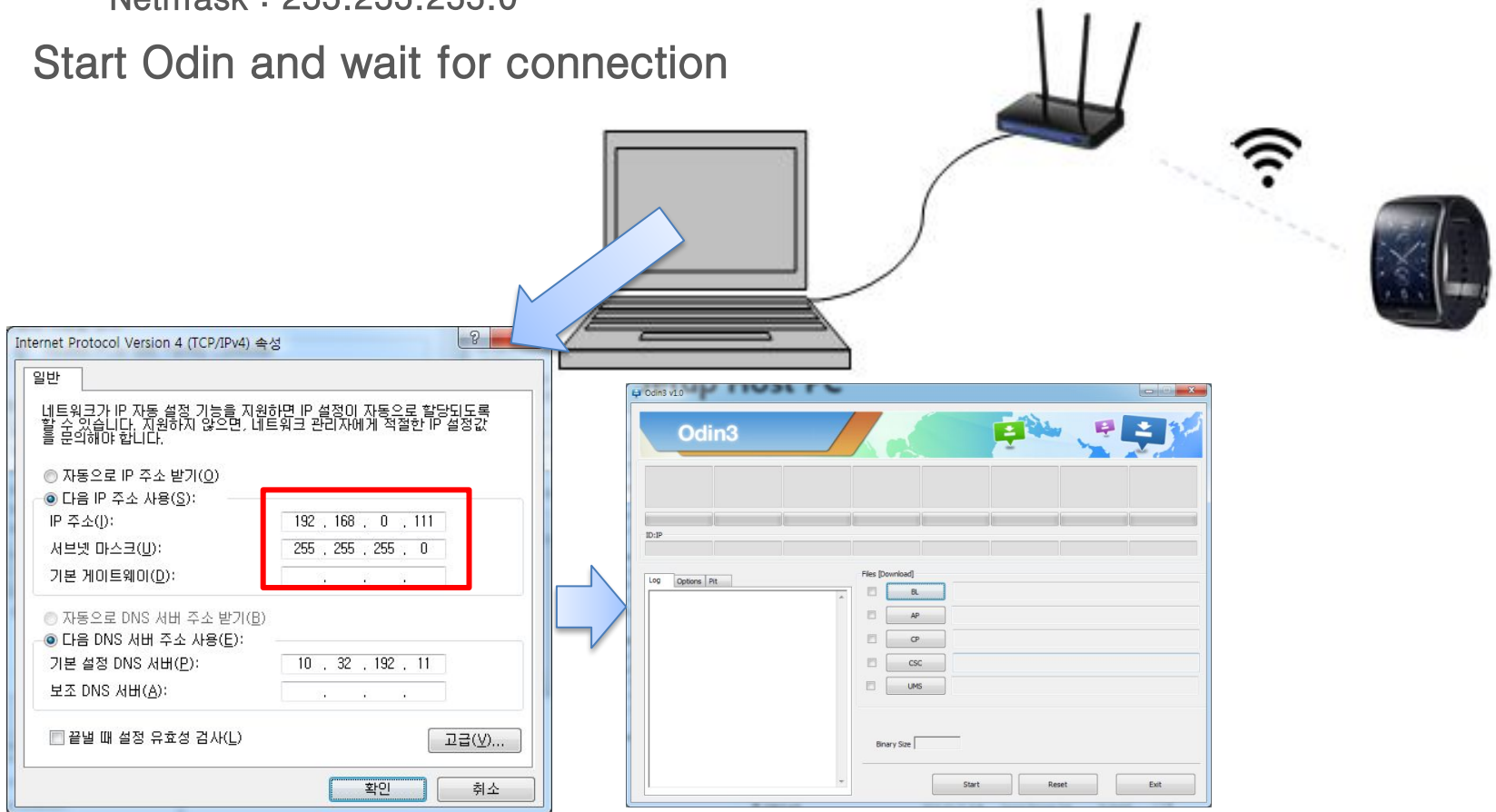
No.	문제 구분	문제 현상	원인	해결 방안
1	Windows PC	PC에 무선랜 어댑터는 있는데, 사용가능으로 설정 안됨	ESCORT 에 의해 default로 무선랜이 사용불가능으로 설정되어 있음	무선랜 예외 신청
2	Windows PC	정상적으로 AP 연결되었으나 Odin과 연결이 되지 않을 경우	무선랜 인터페이스가 static ip로 설정된지 확인 필요 (ipconfig시 192.168.49.20 인지 확인)	static ip를 "자동으로 ip 받기"로 설정되었는지 확인 필요
3	Windows PC	정상적으로 IP 할당 되었으나 Odin과 Gear가 연결되지 않는 문제 - Windwos PC에서 Odin으로 Ping은 나가지만, - 외부에서 Windows PC로 Ping은 들어오지 않음	Windows 방화벽에 의해 외부 접속을 reject함	- 설정 -> 제어판 -> windows 방화벽에서, 공용 네트워크의 Windows 방화벽 사용 안함 설정 - V3 -> 개인방화벽 사용안함 설정
4	Windows PC	유선랜으로 인터넷 연결중 무선랜으로 바이너리 다운받는 경우 PC 에서 인터넷 접속안되는 이슈 (AP Mode)	tcp/ip의 matrix 설정 문제 https://support.microsoft.com/ko-kr/kb/299540/ko	로컬 영역 연결 -> TCP/IPv4 속성 -> 고급 -> 기본 게이트웨이 편집 -> 자동 메트릭 체크 해제, matrix '5' 입력 확인
5	Windows PC	무선랜 연결 후, Odin을 늦게 실행 하거나 Odin을 종료 후 실행 했을때 자동 연결되지 않는 문제	windows 방화벽 사용하지 않음으로 설정하더라도 인바운드 설정 필요	제어판->Windows 방화벽->고급설정->인바운드 규칙->새 규칙 에서 프로그램에 Odin을 추가
6	Windows PC	NotePC로 Gear 시료의 AP를 검색 후 연결하였을 때, 무선랜 ip가 192.168.49.20로 설정 안되는 문제	uready나 기타 다른 AP를 빈번히 사용할 경우 windows pc에서 ip 갱신을 못하는 경우가 발생할 수 있음	윈도우 pc에서 ipconfig/release, ipconfig/renew를 통해 자동 갱신하도록 한다

Appendix



Wireless Download for Factory Process (1/3)

1. Connect Host PC to Wireless AP via UTP cable
 - WPS button is needed in AP.
2. Change the IP on Host PC
 - IP : 192.168.0.111
 - Netmask : 255.255.255.0
3. Start Odin and wait for connection



Wireless Download for Factory Process (2/3)

1. Press and Hold your Power Key and enter REBOOT MODE in WC1
2. Choice “Download (wireless)” menu
 - Power Key Control Guide
 - Short Press : Move
 - Long Press : Select
3. Press WPS button on the wireless AP
4. After a while, WC1 will be connected with wireless AP



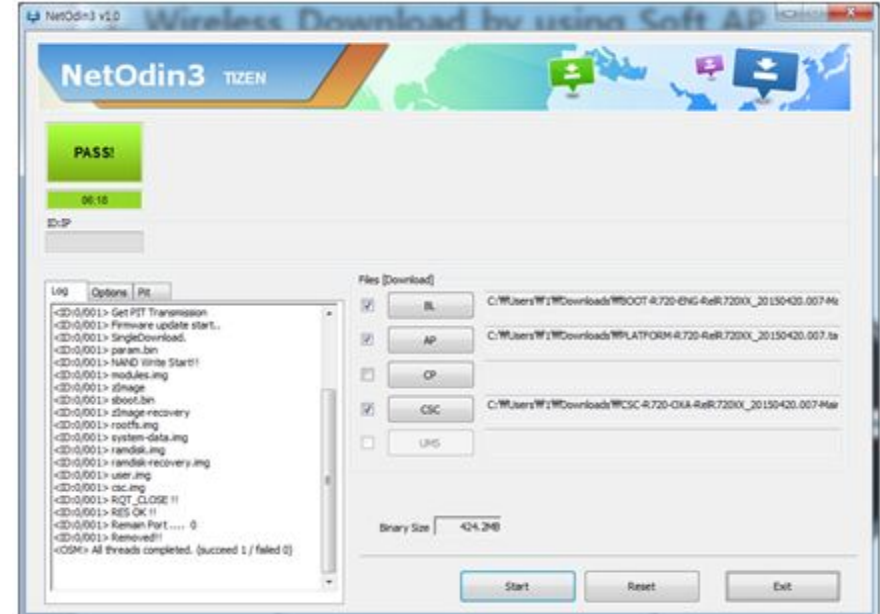
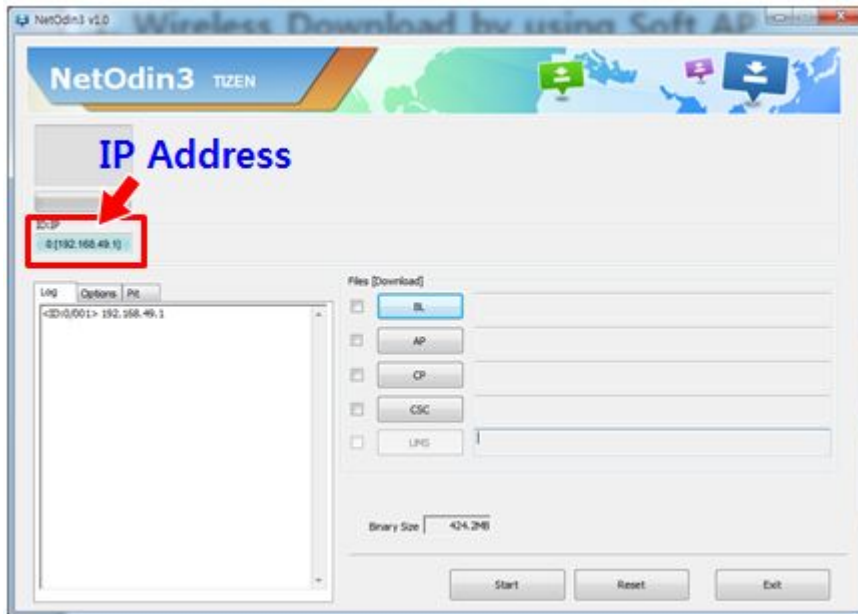
[WC1]



[Access Point]

Wireless Download for Factory Process (3/3)

1. You can see the connected IP through Odin, if there is no problem
2. Now, you can start download on the WC1
 - Currently, the changing of PIT file is not supported in the wireless download mode.
 - If there is a changing of PIT file, please use USB Odin downloader.



Thank you.

