## 4. Array course control

## 4-1. Software Adjustments



## 4-2. Software Download

#### 4-2-1. Pre-requisite for Download

GT-I7110 Mobile Device

Apollo v5.21 : Downloader Application for GT-I7110 USB Download Driver : SS60\_Downloader\_Driver.zip Rom Image : PDA(RnD.XML), MODEM(\*.BIN) images Equipment set for Download.

Apollo v5.21 Multi-ROFS	
File Info	Connection and Progress Info No. 1 Modem
PDA Image C: \Documents and Settings\Documents are Select Phone Name ========	PDA
Country: Andromeda	No. 2
CODE Version:         I71100XXHG2         CUSTOM Version:         I7110L25XXXHG2         ▼           CORE:         ▼         I71100XXHG2 XXX AA0.rom.img         ▼         ■	PDA
ROF51: V 171100XXHG2_XXX_AA0.rofs1.img	No. 3
ROFS2: V I71100XXHG2_ANDROMEDA_XXX_WESTERN25_V Modern Download	PDA
ROFS4: VIII00XXHG2_ANDROMEDA_XXX_AA0.rofs4.im	No. 4
MODEM Status Boot Update EF5 Clear MODEM Status MODEM Status MODEM Status MODEM Status MODEM Status MODEM Status	PDA
	No. 5
	PDA
	No. 6
	PDA

#### 4-2-2. Concupts & cautions.

You can download PDA or MODEM separately. But We are always recommended to download both at the same time using same version of rom image. To download an image, the phone need to be set to a proper download mode. There are 3 download modes. PDA download : Hold 1, 4 keys and power on -> Blue screen with some information. MODEM download : Hold 7, \* keys and power on -> Blinking "MODEM DOWNLOAD" on purple screen All download : Hold 4, 7 keys and power on -> Blinking "ALL DOWNLOAD" on purple screen For PDA image download, the phone shows download progress on the screen For MODEM image download, the phone shows RGBW/B Screen. For All download mode, MODEM image is downloaded first and then PDA downloading starts.

After downloading PDA, the phone will be reboot.

Do NOT interrupt downloading process or the phone will be damaged. You would be unable to boot up the phone or to re-flash the phone. Let it finish downloading process even though you are flashing wrong images.

#### 4-2-3. USB Driver installation for PDA

Execution Apollo v5.24.exe.

GT-I7110 connect to the Host computer using download equipment set.

Hold "1+4" key and insert power supplied test cable when use equipment set 1

or Hold "1+4" key and press power on key when use equipment set 2.

Install PDA side driver.

Follow New H/W Installation Manager.

Select 'IBootHostUSB.inf'file under 'PDA\_driver' folder when

Windows asks for new h/w driver. It is safe to choose "Yes" for the waring window. Confirm "SAMSUNG BlueFin USB Downloader" Installed.

Refer to Next Page.

\*\* If Windows doesn't ask for USB driver, it means USB driver installation was failed before. Open Hardware Manager then delete devices with?or mark then try again. If it doesn't work, you need to right click on the device then try Driver Update.

After installing PDA driver, Apollo shows the connection status if it is installed properly.

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<ul> <li>■ 네트워크 어댑터</li> <li>■ 1394 넷 어댑터 #2</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <li>■ Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter</li> <l< td=""><td>&lt;</td></l<></ul>	<
[ ]	
▲ Intel(R) 82801DB/DBM USB Universal Host Controller - 24C2 Intel(R) 82801DB/DBM USB Universal Host Controller - 24C4 Intel(R) 82801DB/DBM JJSB Universal Host Controller - 24C7 Samsung BlueFin USB Downloader ④ USB 루트 허브 ④ USB 루트 허브 ④ USB 루트 허브	
USB루트허브	×

#### 4-2-4. USB Driver installation for MODEM

Hold "7 + \*" key and insert power supplied test cable when use equipment set 1 or Hold "7+ \*" key and press power on key when use equipment set 2.

Install Modem side driver.

Execute 'Setup.exe'file under 'PHONE\_driver folder' when Windows asks for new h/w driver.

Confirm "SAMSUNG USB Composite Device" Installed.

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드····································	
- 👼 Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter	
- 1999 Intel(R) PRO/Wireless LAN 2100 3B Mini PCI Adapter - 패킷 스케슐러 미니 포트 - 1999 Bealtek BTI 8139/810x Family Fast Ethernet NIC	
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표 🔮 디스플레이 어댑터	
표·철 모니터	
□ 💭 배더리 □ 🖨 범용 직렬 비스 컨트롤러	
📕 🙀 Intel(R) 82801DB/DBM USB 2,0 Enhanced Host Controller – 24CD	
Intel(R) 82801DB/DBM USB Universal Host Controller – 24C2 Intel(B) 82801DB/DBM USB Universal Host Controller – 24C4	
Intel(B) 82801DB/DBM USB Universal Host Controller – 24C7	
SAMSUNG USB Composite Device	
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#### 4-2-5. USB Driver installation

1. After installing PDA driver, Apollo shows the connection status if it is installed properly.

-Connection and Progress Info		Connection and Progress Info —
No. 1		No. 1
		₩USB#Vid_0451Π
	·	

2. After installing MODEM driver, Apollo shows the connection status if it is installed properly.

Connection and Progress Info	-Connection and Progress Info
No. 1	No. 1
	[COM34]

## 4-2-6. Download the image using APOLLO

#### Execution Apollo.exe.

#### Select a PDA RnD.XML to download

Apollo v5.21 Multi-ROFS	
File Info         Modem Code       C: WDocuments and Settings WAdministrator WHEI SETEWSW Bir         PDA Image       e: Wtocuments and Settings WAdministrator WHEI SETEWSW Bir         PDA Image       e: Wtocuments and Settings WAdministrator WHEI SETEWSW Bir         Code try:       Andromeda       Operator:         Code try:       Andromeda       Operator:         CODE Version:       I71100XXHG2       CUSTOM Version:         CORE:       I71100XXHG2_XXX_AA0.rom.img       Pda Download         ROFS1:       I71100XXHG2_ANDROMEDA_XXX_WESTERN25_       Modem Download         ROFS3:       I71100XXHG2_ANDROMEDA_XXX_AA0.rofs1.img       Modem Download	Connection and Progress Info No. 1 Modem PDA No. 3 Modem PDA
ROF54: 🔽 I71100XXHG2_ANDROMEDA_XXX_AA0.rofs4.im( 🚽 🔤 🗾	? 🛛
MODEM status 부는 위치() Boobupdate EFS Clear VN Bootloader VNV Bootloader VNV Diagonal PLA Status 부는 위치() Bootloader VNV Diagonal Diagonal D	D: ○ OPERATOR
열기	? 🗙
찾는 위치(J): ■[17110XXHF2	► ► ► ►
-피얼-어름忚()	17110XXHF2 増기( <u>0</u> )
파일 형식( <u>T</u> ):	Mōđēm līmage (*,bin)

Select the proper check option : GT-I7110(PILOT)

### Select the proper check option .

4 Apollo v5.21 Multi-ROFS	
File Info Modem Code C: \Documents and Settings\Administrator\UFB 화면\SW Bir	Connection and Progress Info No. 1 Modem
PDA Image C:\Documents and Settings\Administrator\UFB 화면\SW Bir	PDA
Country: Andromeda  CUSTOM Version: T2110125VVVHC2	No. 2 Modem
CORE: Version: Irrituzsion: Irr	PDA
ROF51:              \[                   I71             \]             UnitedKingdom          \$1.img            ROF52:         \[                  I71100XXHG2_ANDROMEDA_XXX_WESTERN25_ V          Modern Download	No. 3
ROF53: 7 I71100XXHG2_ANDROMEDA_XXX_AA0.rofs3.im(	PDA
ROF54:     IV     IV1100XXHG2_ANDROMEDA_XXX_AA0.rofs4.im(       MODEM Status     PDA Status	Modem
Boot Update EFS Clear Bootloader V NV Clear SMD	No. 5
	Modem
	No. 6
	PDA Modem

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PDA stasus

- Bootloader : Update PDA Bootloader section.
- NV Clear : IMEI section erase.
  - You can see following message when you click this option

**MODEM Status** 

- Boot Update : Update Modem Bootloader section.



# Make sure that phone and host computer connection, click proper download button.

**PDA download :** Hold 1, 4 keys and power on -> Blue screen with some information. **MODEM download :** Hold 7, \* keys and power on -> Blinking "MODEM DOWNLOAD"

on purple screen

All download : Hold 4, 7 keys and power on -> Blinking "ALL DOWNLOAD" on purple screen

🌻 Apollo v5.21 Multi-ROFS	
File Info Modem Code C:\Documents and Settings\Administrator\UFB 화면\SW Bir PDA Image C:\Documents and Settings\Administrator\UFB 화면\SW Bir 2. GT - 17110 (PILOT)	Connection and Progress Info No. 1 Modem [COM5] PDA
Country: Andromeda  CODE Version: 17110125XXXHG2	No. 2
CORE: VISION INTITOXXHG2_XXX_AA0.rom.img VISION VISION INTITOESXAA162 VISION VISION VISION INTITOESXAA162 VISION VISI	PDA No. 3 Modem PDA PDA
ROF54:       IT1100XXHG2_ANDROMEDA_XXX_AA0.rofs4.im(         MODEM Status       PDA Status         Boot Update       EF5 Clear	No. 4 Modem PDA
	No. 5 Modem PDA
	No. 6 Modem PDA

#### Do NOT interrupt downloading process.

- Pda download time: About 1 min.
- Modem download time : About 2 min.
- All download time: About 3 min.

Apollo v5.21 Multi-ROFS	
File Info Modem Code C: \Documents and Settings\Administrator\H당 화면\S Bir	Connection and Progress Info
PDA Image C: WDocuments and Settings WAdministrator 쌍비용 화면 ₩20080	PDA WUSB#Vid_ [4/8] Downloading : 9%
Country: Andromeda	No. 2
CODE Version:         I71100XXHG2         CUSTOM Version:         I7110L25XXXHG2            CORE:         V         I71100XXHG2_XXX_AA0.rom.img	PDA
ROF51: V 171100XXHG2_XXX_AA0.rofs1.img	No. 3
ROF53: V 1/1100XXHG2_ANDROMEDA_XXX_WESTERNZS_V Modern Download	PDA
ROF54:  T11100XXHG2_ANDROMEDA_XXX_AA0.rofs4.im( MODEM Status	No. 4
□         ■	PDA
Lonnect Successful U Sending Header Successful	Modem
	PDA
	Modem
	PDA J

#### Confirm Download Complete.

- GT-I7110 will be reboot when PDA download complete.

👙 Apollo v5.21 Multi-ROFS		
File Info           File Info           Modem Code         C: WDocuments and Setting           PDA Image         C: WDocuments and Setting           2. GT - I7110 (PILOT)           Country:         Andromeda           CODE Version:         I71100XXHG2	gs₩Administrator₩바탕 화면₩5w Bir gs₩Administrator₩바탕 화면₩20080 ♥ Operator: xxx ♥ OM Version: 17110L25xxxHG2 ♥	Connection and Progress Info No. 1 Modem PDA Download Complete! No. 2 Modem PDA
CORE:         I71100XXHG2_XXX_AA0.rom.img           ROF51:         I71100XXHG2_XXX_AA0.rofs1.img           ROF52:         I71100XXHG2_ANDROMEDA_XXX_           ROF53:         I71100XXHG2_ANDROMEDA_XXX_           ROF54:         I71100XXHG2_ANDROMEDA_XXX_           ROF54:         I71100XXHG2_ANDROMEDA_XXX_           MODEM Status         PD	Pda Download      Pda Download      Modern Download      AA0.rofs3.im、     AA0.rofs4.im、     AII Download	No. 3 Modem PDA No. 4 Modem
Boot Update     FF5 Clear	Bootloader      NV Clear      SMD  onnect Successful 0 ending Header Successful omplete. Please Reboot!!!	PDA
		4-12

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#### 4-2-7. Troubleshooting

#### Unable to install USB driver.

Try another Download equipment Try another GT-I7110. Consult to R&D team.

#### Download stops in the middle.

Close and launch Apollo again then try again. Check the battery is charged enough.

#### Download doesn't start

Check the connection between Apollo and a GT-I7110 Check the image that is not damaged. Select an image and download again.

#### Phone doesn't boot up after downloading.

Check the release version of PDA and MODEM. They should be same. Make sure that rom image, and then try to download.