

# How to Install BCM94318 SDIO Driver with Arasan Adapter Card on Windows XP

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# Contents

1.	INSTALL ARASAN STARDARD SD HOST PCI BOARD4
2.	INSTALL WIRELESS DEVICE DRIVER

## 1. Install Arasan Standard SD Host PCI Board

1.1 Shutdown the computer and plug in the Arasan Standard SD Host PCI card on PCI slot and reboot the PC.

1.2 Uninstall Microsoft SDIO drivers. We will be using our own instead of Microsoft's

Device Manager -> Find entry for Secure Digital IO Bus (or winPCI) >Right click-> Uninstall

1.3 Uninstall BRCM wl driver. Get rid of any previous BRCM wireless driver.

• Device manager - >Networks -> Broadcom driver->Right click/uninstall

1.4 Edit c:\windows\inf\sdbus.inf:

• Search for the section '[Generic]'. Comment out these lines by inserting a semicolon ';' in the first column, like so:

[Generic] ;PCI\CC\_080500.DeviceDesc%=SDHost,PCI\CC\_080500 ;PCI\CC\_080501.DeviceDesc%=SDHost,PCI\CC\_080501 Also comment out these lines: ;PCI\CC\_080500.DeviceDesc="SDA Standard Compliant SD Host Controller" ;PCI\CC\_080501.DeviceDesc="SDA Standard Compliant SD Host Controller"

- 1.5 Rename sdbus.PNF to sdbus\_old.PNF
- 1.6 Edit c:\windows\inf\usb.inf.
  - Search for any line containing '1095' (which is the Arasan/CMD Vendor ID). Comment out these lines by inserting a ';' in the first column.
- 1.7 Rename usb.PNF to usb\_old.PNF
- 1.8 Reboot the PC
- 1.9 Note: The system must have a Windows XP and SP2 pre-installed.

# 2. Install Wireless Device Driver

2.1 Finding new wireless device. Do not use Windows update for searching software.

Found New Hardware Wizard		
	Welcome to the Found New Hardware Wizard Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). Read our privacy policy	
	software?	
	○ Yes, this time only	
	Yes, now and every time I connect a device No. not this time	
	Click Next to continue	
	< Back Next > Cancel	

2.2 Install from a list of locations.

Found New Hardware Wizard		
	This wizard helps you install software for: PCI Device If your hardware came with an installation CD or floppy disk, insert it now.	
	What do you want the wizard to do? <ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul> Click Next to continue.	
	< Back Next > Cancel	

### 2.3 Choose the driver to install

Found New Hardware Wizard		
Please choose your search and installation options.		
Search for the best driver in these locations.		
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.		
Search removable media (floppy, CD-ROM)		
Include this location in the search:		
C:\430x_Mfg_Tools_7_3_0_6\drivers\4318sdio\SDI 📀 Browse		
On't search. I will choose the driver to install.		
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.		
< Back Next > Cancel		

2.4 Select Hardware Type as Network Device and clink on Next

Found New Hardware Wizard		
Hardware Type.		
Select a hardware type, and then click Nex Common hardware types:	tt.	
<ul> <li>Mice and other pointing devices</li> <li>Modems</li> <li>Monitors</li> <li>Multifunction adapters</li> <li>Multi-port serial adapters</li> <li>Multi-port serial adapters</li> <li>National Instruments GPIB Interfaces</li> <li>Network adapters</li> <li>Network Client</li> <li>Network Protocol</li> </ul>		
	< Back Next > Cancel	

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## 2.5 Click on "Have Disk"

Found New Hardware Wizard		
Select Network Adapter Which network adapter do you want to install?		
Click the Network Adapter that matches your hardware, then click OK. If you have an installation disk for this component, click Have Disk.		
(Unable to find any drivers for this device)		
Have Disk		
< Back Next > Cancel		

## 2.6 Browse to the driver directory

Found New Hard	lware Wiza	rd		
Select Networl Which netwo	<b>k Adapter</b> ork adapter do	you want to install?	<b>H</b>	
Click the N installation	letwork Adapi disk for this c	er that matches your hardware, then click OK. If you have omponent, click Have Disk.	an	
(Unable to find any drivers for this device)				
	Install F	rom Disk		
	3	Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.	OK Cancel	
W///		Copy manufacturer's files from: C:\430x_Mfg_Tools_7_3_0_6\drivers\4318sdio\S ✔	Browse	

2.7 Select "Broadcom 802.11g Network Adapter Card"

Found New Hardware Wizard				
Select Network Adapter Which network adapter do you want to inst	all?			
Click the Network Adapter that matches installation disk for this component, click	your hardware, then click OK. If you have an Have Disk.			
Show compatible hardware				
Network Adapter:				
Broadcom 802.11g Network Adapter				
This driver is not digitally signed! <u>Tell me why driver signing is important</u>	Have Disk			
	< Back Next > Cancel			

2.8 Waiting while install software

Found New Hardware Wizard				
Please wa	it while the wizard insta	lls the software		
<b>⊞</b> ⊉	Broadcom 802.11g Netwo	rk Adapter		
		Ø	Þ	
		< Back	Next >	Cancel

2.9 Click on "finish" to complete installation

Found New Hardware Wizard		
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Broadcom 802.11g Network Adapter	
	K Back Finish Cancel	

低功率電波幅性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功 率或變更原設計之特性及功能。

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並 改善至無干擾時方得繼續使用。

前項合法通信 , 指依電信規定作業之無線電信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性 電機設備之干擾。

" Operation is subject to the following two conditions:(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. " This Class B digital apparatus complies with Canada RSS-210. Cet appareil numerique de la classe B est conforme a la norme CNR -210 du Canada The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.(DoC) The term " IC: " before the certification/registration number only signifies that the Industry Canada technical specifications were met.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

#### This device is intended only for OEM integrators under the following conditions:

The antenna must be installed such that 20 cm is maintained between the antenna and users. As long as conditions above is met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

This device is intended only form OEM integrators under the following conditions:

1)The antenna must be installed such that 20cm is maintained between the antenna and users, and 2)The transmitter module may not be co-located with any other transmitter or antenna.

IMPORTANT NOTE: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

#### End Product Labeling

This transmitter module is authorized only for use in devices where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in visible area with the following: "Contains TX FCC ID: MCLJ27H003 manual information that Must be include."

#### End Product Manual Information

The user manual for end users must include the following information in a prominent location "IMPORTANT NOTE": To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

如使用本模組之平台,無法在外部看見審驗合格標籤時, 應再該平台的外部明顯處標示內含射頻模組 CCXXxxYYyyyZzW