

macOS Broadcom WiFi and Bluetooth

📄 17 commits

🌿 1 branch

📦 0 packages

📦 0 releases

👤 1 contributor

Branch: master ▾

New pull request

Create new file


Upload files

Find file

Clone or download ▾

👤 toleda MatchOS fix	Latest commit ab9274f on Feb 23, 2018	
📁 Deprecated Files	MatchOS fix	2 years ago
📁 ssdt_arpt	10.13 update	2 years ago
📄 README.md	Initial submission	2 years ago
📄 README.txt	Initial submission	2 years ago
📄 config-bcm94352-130.plist.zip	MatchOS fix	2 years ago
📄 wifi.jpeg	Initial submission	2 years ago

📄 README.md



wireless\_broadcom

macOS Broadcom WiFi and Bluetooth

WiFi and Bluetooth working out of box on macOS with Apple branded Broadcom BCM94360. Enables half mini and M.2 BCM4352 on High Sierra with method described below. Credit: RehabMan

Updates

1. 12/26/2017 - High Sierra Broadcom WiFi and Bluetooth Support

Previous Repo: [https://github.com/toleda/airport\\_half\\_mini](https://github.com/toleda/airport_half_mini) (Deprecated)

Broadcom WiFi + BT

1. Half mini/BCM94360HMB/AzureWave AW-CB160H - Credit: Skvo, Post #758/[Guide] Airport - PCIe Half Mini v2

2. PCIe/BCM94360CD/BCM9331CD native WiFi/ac and BT4LE (PCIe 1x, not HM)

3. Half mini/BCM94352 HMB/AzureWave AW-CE123H/DW 1550 supports WiFi/ac and BT4LE

4. M.2/BCM94352Z HMB/AzureWave AW-CE162NF/DW1560 supports WiFi/ac and BT4LE

5. Half miniBCM943224 HMB supports WiFi and BT3

User Responsibilities

1. Supported WiFi card sources - the usual
2. WiFi and Bluetooth Antennas
3. Mini PCIe to PCI/PCIe adapters (adapter must include motherboard USB connector for working BT)
4. Clover\_v4305 or newer

### Broadcom WiFi/Bluetooth Repo

**Broadcom WiFi/Bluetooth Installation/10.13+** Note: Requires AirPortBrcm4360.kext and BT4LE - AirPortBrcmNIC-MFG.kext - not applicable

### Step 1/Enable WiFi

1. README: <https://github.com/RehabMan/OS-X-Fake-PCI-ID>
2. Download: <https://bitbucket.org/RehabMan/os-x-fake-pci-id/downloads/>
3. Install with kext installer to /System/Library/Extension:
  - i. FakePCIID.kext
  - ii. FakePCIID\_Broadcom\_WiFi.kext

### Step 2/Enable BT

1. README: <https://github.com/RehabMan/OS-X-BrcmPatchRAM>
2. Download: <https://bitbucket.org/RehabMan/os-x-brcmpatchram/downloads/>
3. Install to EFI/CLOVER/kexts or kext installer to /System/Library/Extensions:
  - i. BrcmFirmwareRepo.kext
  - ii. BrcmPatchRAM2.kext

### Step 3/Optional Features

1. Enable Handoff/Hot Spot (94352 only) - Credit: lisai9093 - Binary patch: IOBluetoothFamily
  - i. Find: 48 85 FF 74 47 48 8B 07
  - b. Replace: 41 BE 0F 00 00 00 EB 44
- Installation/Clover patch
  1. Download (View Raw): [config-bcm94352-120.plist.zip](#)
  2. Paste patch to config.plist/KernelAndKextPatches/KextsToPatch
- BT4LE-Handoff-Hotspot
- 2.

### Country Code (10.12/10.11/10.10 - all versions)

1. Country Code/Required 2. Native: US/FCC (Hex: 55 53) 2. If not US/FCC, see Sebinouse, see #2 below 3. Special case, see [#a](#), credit: jaymonkey, Post #2084 1. Solves wake from sleep WiFi performance issue
2. ROW [Country Code](#), credit: Sebinouse, Post #1159 (select one method)
  - i. config-bcm94352...plist (see Repo)
    - a. edit 5GHz-US/Replace/55 53 (US) to xx xx (CC)
    - b. [ASCII/Hex/Base64](#)
  - ii. wireless\_bcm94352...command (see Repo)
    - a. CC prompt

### BCM94352 5 GHz/Handoff Patch (10.12+)

Credit: the-darkvoid

1. Clover/kext patch
  - i. Download [config-bcm94352-...](#) (select View Raw)

- ii. Paste 3 Patches to config.plist/KernelAndKextPatches/KextsToPatch

### BCM94352 5 GHz/Handoff Patch (10.11+)

Credit: Dokterdok, the-darkvoid, Sebinouse

Select 1 or 2, not both

1. Kext/binary patch
  - i. Download [wireless\\_bcm94352-...](#) (select View Raw)
  - ii. Double click Downloads/wireless\_bcm94352-...command
2. Clover/kext patch
  - i. Download [config-bcm94352-...](#) (select View Raw)
  - ii. Paste 3 Patches to config.plist/KernelAndKextPatches/KextsToPatch

### BCM94352 5 GHz/Handoff Patch (10.10+)

Credit: Dokterdok, the-darkvoid, Sebinouse

Select 1 or 2, not both

1. Kext/binary patch
  - i. Download [wireless\\_bcm94352-...](#) (select View Raw)
  - ii. Double click Downloads/wireless\_bcm94352-...command
2. Clover/kext patch
  - i. Download [config-bcm94352-...](#) (select View Raw)
  - ii. Paste 3 Patches to config.plist/KernelAndKextPatches/KextsToPatch

### BCM94352 5 GHz Patch (10.9+)

Credit: Skvo

Select 1 or 2, not both

1. Kext/binary patch
  - i. Download [wireless\\_bcm94352-...](#) (select View Raw)
  - ii. Double click Downloads/wireless\_bcm94352-...command
  - iii. See Terminal Saved Output. . . (above)
2. Clover/kext patch
  - i. Download [config-bcm94352-...](#) (select View Raw)
  - ii. Add 3 Patches to config.plist/KernelAndKextPatches/KextsToPatch

### Bluetooth 4LE (10.11+)

1. 10.11 USB Issues/no BT
  - i. Fix USB problem
2. BT injection - RehabMan/OS-X-BrcmPatchRAM (2 kexts required)
  - i. REAMDME [BrcmPatchRAM -- RehabMan](#)
  - ii. Download [BrcmPatchRAM -- RehabMan](#)
  - iii. Install 2 kexts
    - a. BrcmFirmwareRepo.kext
    - b. BrcmPatchRAM2.kext
3. Installation (a or b, not both)
  - i. Clover/Chameleon - use kext installer
    - a. System/Library/Extensions/
    - b. Library/Extensions/
4. Working
  - i. Asus BCM94352 (0b05/17cf)
  - ii. Azurewave CE-123H (13d3/3404)

### Bluetooth 4LE/4/3 (10.10+. 10.9+)

1. REAMDME [BrcmPatchRAM -- RehabMan](#)
2. Download [BrcmPatchRAM -- RehabMan](#)
3. BrcmPatchRAM.kext Installation (Select one method)
  - i. Clover/Chameleon - System/Library/Extensions/
    - a. use kext installer
  - ii. Clover - EFI/CLOVER/kexts/10.10 or /10.9
4. Working
  - i. Asus BCM94352 (0b05/17cf)
  - ii. Azurewave CE-123H (13d3/3404)

#### Requirement (+ all)

1. OS X Versions (+ all)
  - i. 10.11+/El Capitan
  - ii. 10.10+/Yosemite
  - iii. 10.9+/Mavericks
  - iv. 10.8.5/Mountain Lion
 

Solution does not work, 10.8.4 or earlier
2. Boot Flags/Boot failure may result if ignored
  - i. 10.11+/Disable SIP/set, restart, install, enable SIP, restart
    - a. CLOVER/config.plist/RtVariables/
      - a. BooterConfig/0x28
      - b. CsrActiveConfig/0x3
    - b. Chameleon - Extra/org.chameleon.Boot.plist
      - a. CsrActiveConfig=3
  - ii. 10.10+/Allow unsigned kexts/set, restart, install
    - a. Clover/config.plist/
      - a. Boot/Arguments/kext-dev-mode=1
    - b. Chameleon/Extra/org.chameleon.Boot.plist/
      - a. Kernel Flags/kext-dev-mode=1

#### Installation/Configuration/Troubleshooting

[Guide] [airport\\_half-mini\\_details.pdf.zip](#) (above)

#### Tools

1. [IOReg\\_v2.1](#) (select View Raw)
2. [DPCIManger](#)
3. [MaciASL](#)
4. Property List Editors -
  - i. [Xcode](#)
  - ii. Property List Editor, PlistEdit Pro, TextEdit, etc.
  - iii. TextEdit, TextWrangler (last resort)
5. [Clover Configurator](#)
6. [Clover Wiki](#)

#### Problem Reporting (attach requested information)

1. Description of wireless problem
2. OS X version/motherboard model/BIOS version/processor/graphics
3. Procedure/Guide used
4. Copy of IOReg - IOReg\_v2.1/File/Save a Copy As..., verify file (Tools 1.)
5. Screenshots:
  - i. DPCIManager/Status (Tools 2.)

- ii. System Information/Hardware/Network/WiFi
  - iii. System Information/Hardware/Bluetooth
  - iv. System Information/Hardware/USB (Select Bluetooth device)
- 6. DPCIManager/Misc/Boot Log
- 7. MaciASL/File/Export Tablesset As... (Tools 3.)
- 8. Terminal/Shell/File/Export Text As. . . /wireless\_bcm...command
- 9. Chameleon
  - i. Extra/org.chameleon.Boot.plist
  - ii. DPCIManager/Misc/Boot Log
  - iii. Extra/dsdt.aml (if installed)
  - iv. Extra/ssdt.aml (if installed)
- 10. Clover
  - i. EFI/CLOVER/config.plist
  - ii. DPCIManager/Misc/Boot Log
  - iii. EFI/CLOVER/ACPI/Patched/dsdt.aml (if installed)
  - iv. EFI/CLOVER/ACPI/Patched/ssdt.aml (if installed)
- 11. Post to:
  - i. [Airport - InsanelyMac.com](#)
  - ii. [Airport - tonymacx86.com](#)

Credit

THE KiNG

Andy Vandijck

PikeRAlpha

Skvo

Dokterdok

the-darkvoid

Sebinouse

toleda [https://github.com/toleda/airport\\_half\\_mini](https://github.com/toleda/airport_half_mini)