Compatible Wi-Fi/BT Dongle List

This page is a list of tested compatible dongles for Batocera and their tested platform. If your dongle is not listed, it doesn't mean it won't work, just that it hasn't been formally tested yet.

In general, unbranded “clone” dongles, ones that don't explicitly state as supporting Bluetooth Low Energy (BLE) and BT 5.0 have the lowest chance of working. Branded dongles, with support for 4.0 or 2.0 Bluetooth, that explicitly state that they support BLE have the highest chance of working. Of course, there's always a chance that the BT dongle will/won't work irrelevant of these qualifications. With unbranded ones, there's a chance that they just don't have the specifications they list anyway (just because it says it has the same chipset as a tested dongle may not actually guarantee that or that it will work, but it will have a higher chance than one with a different chipset altogether).

If you were looking to troubleshoot your wireless dongle instead, check out both the Wi-Fi and Bluetooth sections on the troubleshooting page respectively.

If you know of another model that is not listed here, please let the moderators on Discord know, or drop a note on the forum. Thank you!

Tested on PC (x86_64)

Wi-Fi

- ThinkPenguin TPE-N150USB Penguin Wireless N USB Adapter for GNU / Linux works with at least Batocera **v29** and higher



- TP-Link AC600 Nano Wireless USB Adapter Archer T2U Nano support added in Batocera **v36**



- TP-Link TL-WN725N



- ItemRosewill RNX-N150UBE - Tested on a USB 2.0 port



- Linksys WUSB54GC



- Realtek mini 8188 - Tested on a USB 2.0 port



- Odroid Module 0 (MediaTek/Ralink RT5370N chipset)



- Panda Wireless PAUO5 300Mbps



- Panda Wireless Ultra Wifi (b/g/n) 150Mbpx



- TEROW 300 Mbps USB WIFi Adapter/USB2.0 wireless network card



- Tenda U12 USB 3.0 Wi-Fi



- Startech AC600 dual-band wifi nano adapter



Bluetooth

- ThinkPenguin TPE-USBBLUV4 Penguin USB Bluetooth 4.0 Micro Adapter works with Batocera **v29** and higher



- Volans VL-BT50 Bluetooth 5.0 Nano USB Adapter



- EVEO Bluetooth Adapter for PC 5.1



- CSR4.0 (BT 4.0)



- Sabrent BT 4.0 - USB 2.0 port only



- UGREEN Bluetooth V4.0 Nano



- 8BitDo USB wireless adapter and 8BitDo USB wireless adapter 2 - Not a classic BT dongle, but connects a single compatible BT controller and simulates being a wired Xbox 360 controller (or a generic D-input pad) to the host computer. Solves for example most compatibility problems between WINE games and non-XInput controllers by “faking” a wired XInput controller to the Batocera system.



- BIGBIG WON Wireless Bluetooth Adapter - Not a classic BT dongle, but connects a single compatible BT controller and simulates being a wired D-input controller to the host computer



- TP-Link UB400 Bluetooth 4.0 Nano USB Adapter



- TP-Link UB500 Bluetooth 5.0 Nano USB Adapter



- ASUS BT400 USB Adapter



- ASUS BT500 USB Adapter - USB 2.0 port only



- ORICO USB Bluetooth Adapter 4.0 (BTA-403)



- HOCO UA18 USB Wireless BT 5.0 Adapter



- Cable Matters USB Bluetooth 4.0 Adapter



- Trust Bluetooth 4.0 Adapter



- EkoBuy Nano Bluetooth 4.0 USB Adapter



- UGreen 80889 CM390 BT 5.0



- UGreen CM591 BT 5.3



- Edimax BT-8500



Wi-Fi + Bluetooth

- Edimax 2-in-1 Wi-Fi + Bluetooth Combination Adapter EW-7611ULB



- Edimax EW-7611UCB AC600 Dual-Band Wi-Fi + Bluetooth adapter



Support added in Batocera **v35**.

- Wireless 11N USB Adapter Wi-Fi 2.4GHz Bluetooth 4.0 RTL8723BU 802.11b/g/n WLAN Adapter



- EDUP USB Bluetooth 4.2 WiFi Adapter AC 600Mbps



PCI-E cards

Here is the list of PCI-E cards that have been tested with Batocera.

This list is more tentative, as obviously there are too many PCI-E cards to properly test them all. It's best to assume that all modularly designed PCI-E network cards work out of the box, with the only exception being bleeding-edge cards or ones that use brand new technologies.

A list of Linux-compatible (not necessarily Batocera-compatible, but should be) Intel PCI-E cards can be found at https://www.intel.ca/content/www/ca/en/support/articles/000005511/wireless.html

- OKN 6E AX5400 Wi-Fi AX210 Bluetooth PCIe card
- ThinkPenguin TPE-N300PCIED3 Penguin Wireless N Dual-Band PCIe Card for GNU/Linux Full Height Card works with Batocera **v29** and higher



- ThinkPenguin TPE-N300PCIED2 Penguin Wireless N Dual-Band PCIe Card for GNU/Linux Low Profile Card works with Batocera **v29** and higher



- Ubit WIE7265 Dual-Band Wi-Fi card adapter (1730 Mbps) + Bluetooth 5.0



- WISE TIGER WT-AC9636GS



Main chip: Intel AX200.

- EDUP WiFi 6E AX210 PCIe Network Card Bluetooth 5.2



- TP-Link Archer TXE75E



Main chip: Intel AX210 or AX211.

- Fenvi FV-AXE3000 Wifi 6E + BT 5.3



Main chip: Intel AX210, works both for bluetooth and wifi.

Tested on Odroid Go Advanced-based images

Wi-Fi

- Odroid Module 0 (MediaTek/Ralink RT5370N chipset)



- TP-Link TL-WN725N



- Edimax EW-7811Un



- Edimax EW-7612UAn V2



- UGREEN CM448 WiFi Adapter 650Mbps 5Ghz 2.4GHz Dual-Band USB



Wi-Fi + Bluetooth

These dongles are interesting because they let you use Wi-Fi and Bluetooth with a same dongle. If you have many USB ports it's not important, but on OGA where there is only one, it's the best choice. Don't forget you can play two players if plug a second controller on your OGA (via USB or supported BT dongle).

- ZEXMTE USB Wifi+Bluetooth



Main chip: RTL8723BU - BT4.0 dongle adapter, 150Mbps wireless WiFi network LAN card + Bluetooth V4.0 adapter for laptop desktop PC (working channels: 1-14)

- Edimax 2-in-1 Wi-Fi + Bluetooth Combination Adapter EW-7611ULB



Tested on Odroid N2-based images

Wi-Fi

- Realtek mini 8188 - Tested on a USB 2.0 port



- Odroid Module 0 (MediaTek/Ralink RT5370N chipset)



- Odroid Module 5BK (Realtek RTL8821CU)



Bluetooth

- CSR4.0 (BT 4.0)



Tested on Raspberry Pi images

Sometimes the integrated Wi-Fi chip embedded on a Raspberry Pi SBC isn't powerful enough for a sustainable connection, or its performance can be severely diminished by a case, in particular with metallic cases.

Wi-Fi

- Belkin F7D2101 v1 Surf & Share Wireless USB adapter



Compatible audio USB dongles

Audio driver support in Linux is usually much more straightforward than wifi and BT adapters. But, in case you need a cheap USB audio dongle, to replace a failing audio component on a motherboard, or if you want to separate the sound of the ball rolling on the playfoeld from the backglass music and sounds effets in Visual Pinball X you can get this USB audio dongle that has been verified on PC:

- Akoada USB to jack adapter



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