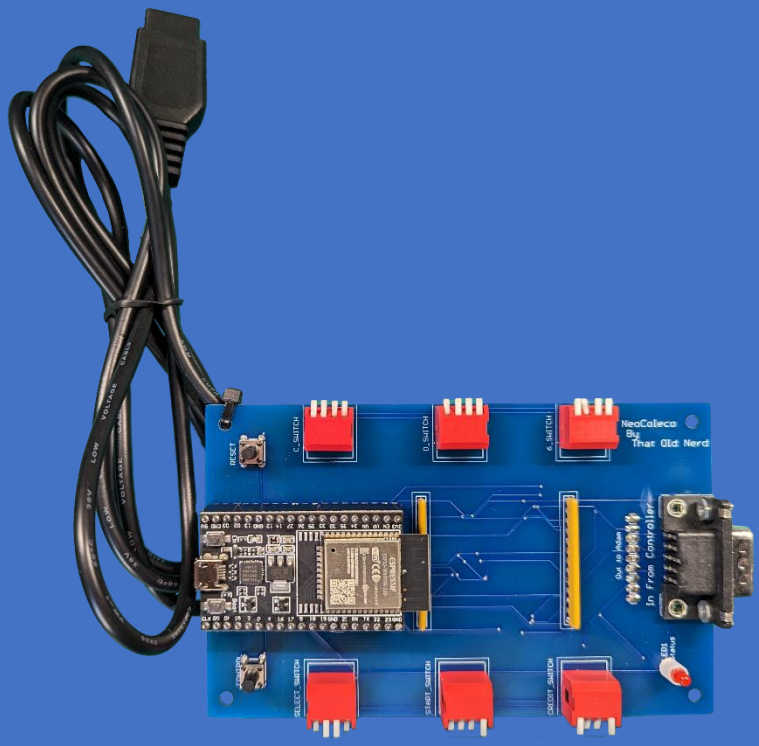
NeoColeco

Powered by BlueRetro



That Old Nerd

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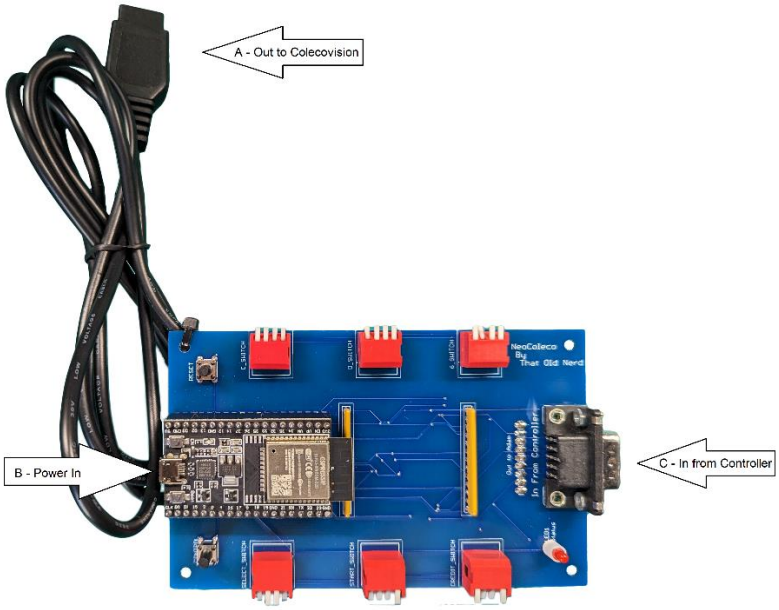
About your NeoColeco Adapter

The NeoColeco adapter is a Bluetooth interphase built on the BlueRetro platform, designed to allow you to connect an assortment of modern controllers to your Colecovision, Colecovision Adam, or Colecovision Clone. The adapter is hardwired with the directional controls, fire and arm buttons and allows for up to six custom configurable number pad buttons.

Connecting your NeoColeco Adapter



Colecovision Connector

Insert connector A into one of the two Colecovision joystick ports.

Power Connector

Connect a micro USB power adapter into Port B. By default the Colecovision does not provide power to its joysticks so an alternative power is required.

Auxiliary Controller Adapter

If wished, you can connect a Colecovision controller into Port C to allow full access to the Colecovision controllers' number pad. Port C will not work unless the unit is powered via the micro USB connector.

Connecting a Controller

I am only providing the instructions connecting the three most common controllers. For a full list of controllers along with instructions on linking them go to Controller pairing guide · darthcloud/BlueRetro Wiki · GitHub

Microsoft Xbox One Controller Pairing

Update firmware via the Xbox accessories Win10 app.

First pairing

1. Boot up NeoColeco and make sure adapter is in inquiry mode (LED pulsing).
2. Power on controller via Xbox button and then hold the black sync button until the logo blink.
3. Logo will stop blinking on controller once pairing is complete.

Reconnect

1. Simply hold Xbox button for a small moment to power on controller and it will reconnect to NeoColeco.

PS4 & PS5 Controller Pairing

First pairing

1. Boot up NeoColeco and make sure adapter is in inquiry mode (LED pulsing).
2. Press & hold simultaneously Share & PS buttons until the LED blink white.
3. Color on controller will change once pairing is complete.

Reconnect

1. Simply press PS button to reconnect to NeoColeco.

Nintendo Switch Pro Controller Pairing

First pairing

1. Boot up NeoColeco and make sure adapter is in inquiry mode (LED pulsing).
2. Press and hold sync button until LEDs move in a left/right pattern.
3. LEDs will stop pattern on controller once pairing is complete.

Reconnect

1. Simply press any button twice on controller and it will reconnect to NeoColeco.

Hardware button allocation

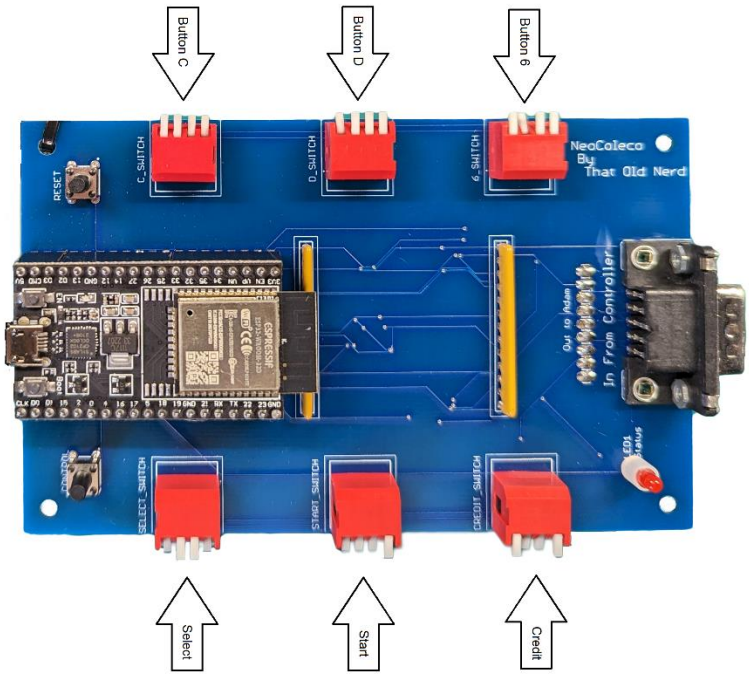
Hardwired buttons

The following buttons are hardwired into the controller but can be customized in software through the web interphase.

Left, Right, Up, Down
Button A is mapped to Colecovision Fire
Button B is mapped to Colecovision Arm

Customizable buttons

The 6 dip switches located around the controller can be custom configured for any one of the 12 keypad buttons. These can also be further customized in software through the web interphase.



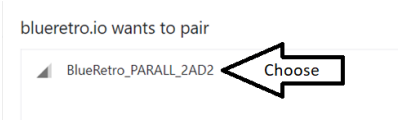
1 – On 0 - Off				
0	1100		6	1000
1	0001		7	0011
2	0010		8	0111
3	1001		9	0100
4	1110		*	0101
5	0110		#	1010

Software button allocation

Connecting the web interphase

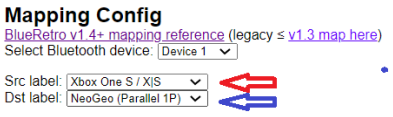
Be sure your NeoColeco is powered on and not connected to any Bluetooth controller. Open a browser and navigate to [BlueRetro.io](). From the main menu, choose BlueRetro Advance Config.

Click on the Connect BlueRetro button, and popup should appear.



Choose the BlueRetro device from the list of devices. Be sure your browser's is not blocking popups.

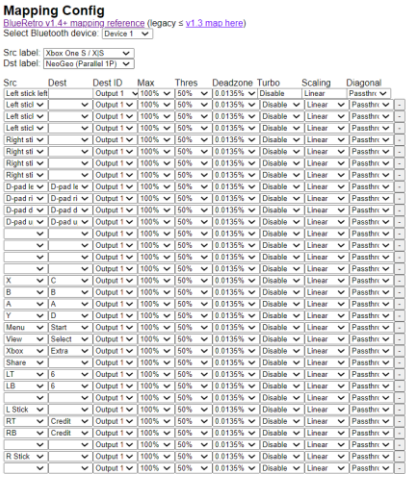
Choose Devices



SRC Label is the Bluetooth device you are using.

DST Label is always NeoGeo (Parallel 1P) which is the NeoColeco Adapter.

Customizing Buttons



Src – is the button on the game controller

Dest – is the mapped NeoColeco Button

Stick & D-Pad – Associates to UP,Down,Left,Right
A – Associates to Fire
B – Associates to Arm
C, D, 6, Start, Select, Credit –
Associate to the 6 hardware mappable buttons.

Updating your NeoColeco Adapter

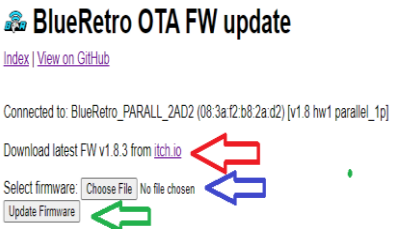
Connecting to web interphase

Be sure your NeoColeco is powered on and not connected to any Bluetooth controller. Open a browser and navigate to [BlueRetro.io](). From the main menu, choose BlueRetro OTA FW Update.

Click on the Connect BlueRetro button, and popup should appear.

Choose the BlueRetro device from the list of devices. Be sure your browser's is not blocking popups.

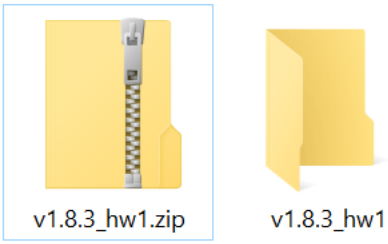
Updating the firmware

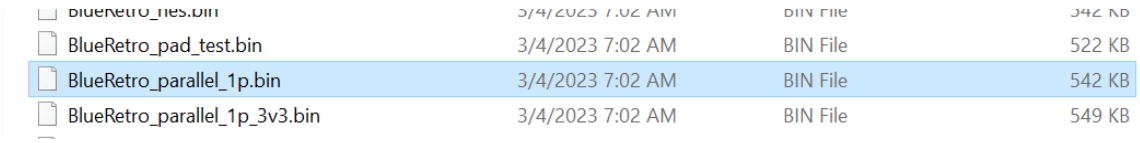


Click on itch.io which maps to the latest firmware. Look for Firmware_hw1. Unzip file you just downloaded.

Click on Choose File, route to the folder you just unzipped, and choose BlueRetro_parallel_1p.bin.

Click on Update Firmware and wait for upload to finish.





BlueRetro_pad_test.bin	3/4/2023 7:02 AM	BIN File	522 KB
BlueRetro_parallel_1p.bin	3/4/2023 7:02 AM	BIN File	542 KB
BlueRetro_parallel_1p_3v3.bin	3/4/2023 7:02 AM	BIN File	549 KB

NOTES