



RetroSpy
Technologies

RetroSpy Vision Analog



Last Updated: 10/15/2023

The RetroSpy Vision Analog

The RetroSpy Vision, when paired with the appropriate RetroSpy Vision cables, provides input display for many retro video game consoles.

Supported Consoles

- Atari 2600 (including paddles), 5200, 7800 & Jaguar
- Commodore 64 Games System, CDTV & Amiga CD32
- Fujitsu FM Towns Marty
- Game-Tech GBA Consolizer
- Magnavox Odyssey2
- Mattel Intellivision
- NEC PC Engine, TurboGrafx-16, SuperGrafx & PC-FX
- Nintendo NES, SNES, Virtual Boy, N64 & Gamecube
- Panasonic 3DO
- Sega SMS, Genesis & Saturn
- SNK Neo Geo
- Sony PlayStation 1 & 2

Hooking up the Vision

1. Connect the RetroSpy Vision Cable

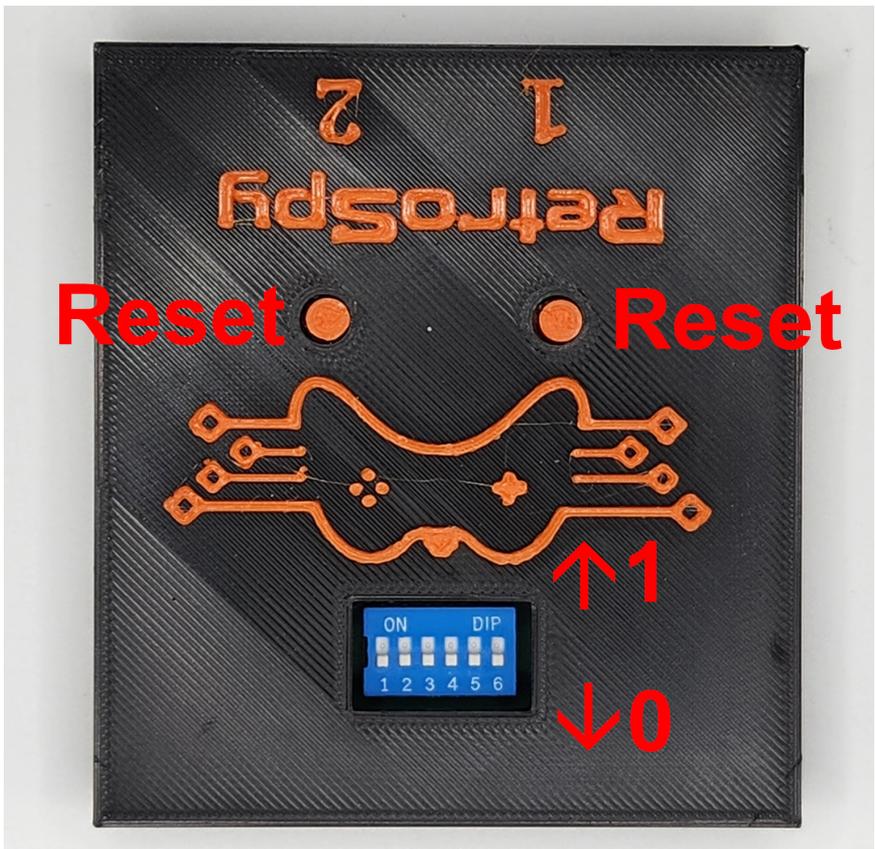
Connect each half of the appropriate RetroSpy Vision cable to the "HDMI" ports on the Vision. It doesn't matter which half goes into which port.

2. Select your console/controller combo

Set the switches to select your desired console/controller combo as specified on pages 6.

3. Connect your computer to the Vision

Use 2 mini USB cables to connect the Vision's mini USB ports to 2 USB ports on your computer.



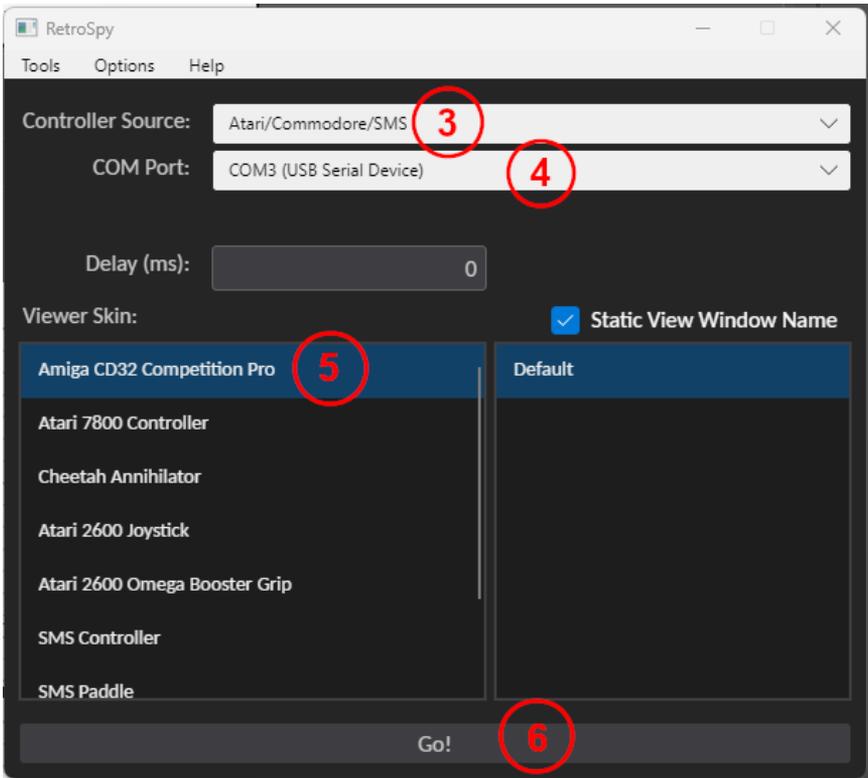
Using the Vision

1. Download and Install the latest RetroSpy software

The latest RetroSpy software can always be found at <https://retro-spy.com/downloads/>

2. Run the now installed RetroSpy application

You will see the RetroSpy setup window.



3. Select your console in the Sources dropdown

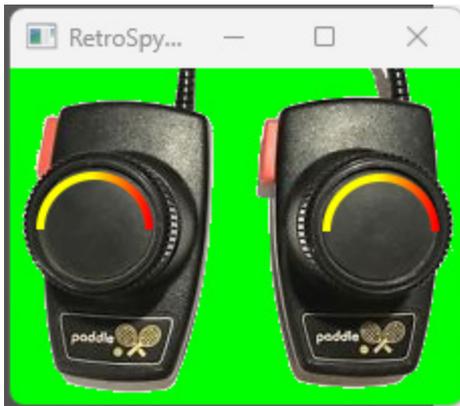
4. Choose the serial port of your Vision

Typically the first COM port in the list is Port 1 and second COM port in the list is Port 2, but you may have to experiment.

5. Select a skin

6. Click the 'Go' button

After a few seconds the RetroSpy view window (see below) will appear and after a few more seconds (you will often see random button pushes during initialization) you should be able to see your inputs reflected in the view window and on your console. **IMPORTANT:** Before you press any buttons on your controller/paddles move your joystick in its full range of motion in both axes. Once you are satisfied hit any button to lock in your determined min and max analog values. If the inputs are not reflected in the view window verify that you have the correct serial port selected in the setup window.



Updating the Firmware

Run the RetroSpy Vision Updater application

Choose your serial ports and Vision type then click the "Start Update" button. The updater will download all the necessary files for the upgrade and perform the upgrade automatically. Once successful, you will need to restart the Vision for the changes to take effect.

Console Selection Switches

Below are the required switch settings for all supported console and controller combinations. The switches are read left to right with the RetroSpy logo on the Vision upside down. A 1 indicates the switch should be "on" which is pushed upwards towards the logo. A 0 indicates the switch should be "off" which is pushed downwards away from the logo.

Console	Controller Type	Switches
GX4000		001110
Atari 2600	Joystick	000100
	Driving Controller	110110
	Keyboard/Kid's Controller	Not Supported
	Big Bird's Egg Catch	Not Supported
	Star Raiders	Not Supported
	Omega Race Booster Grip	011100
	Paddles	000000
Atari 5200		010000
Atari 7800		100010
Atari Jaguar		011010
Amiga CD32	Mouse	Not Supported
	Keyboard	Not Supported
	Single-button Joystick	000100
	4 button controller	Not Supported
	Analog Joystick	100000
FM Towns Marty	Controller	111010
	Mouse	Not Supported
	Keyboard	Not Supported
Odyssey2		000100
Intellivision		010010

PC Engine, TG-16 & Supergrafx		010100
PC-FX		000110
NES	Controller	110000
	Power Pad	110000
	Power Glove	001000
SNES		101000
Virtual Boy		010000
N64		011000
Game-Tech GBA Consolizer		000010
Gamecube		111000
3DO		001010
Sega Master System	Controller	000100
	Paddle	100100
	Sports Pad	010100
Sega Genesis	3 or 6 Button Controller	110100
	Mega Mouse	001100
Sega Saturn	Digital Controller	101100
	3D Control Pad, Keyboard & Shuttle Mouse	011100
Neo Geo		110010
PlayStation 1 & 2		111100

Contact Us

If you have any problems do not hesitate to contact us for help.



support@retro-spy.com



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