Nin10do LITE V2 Instruction Manual
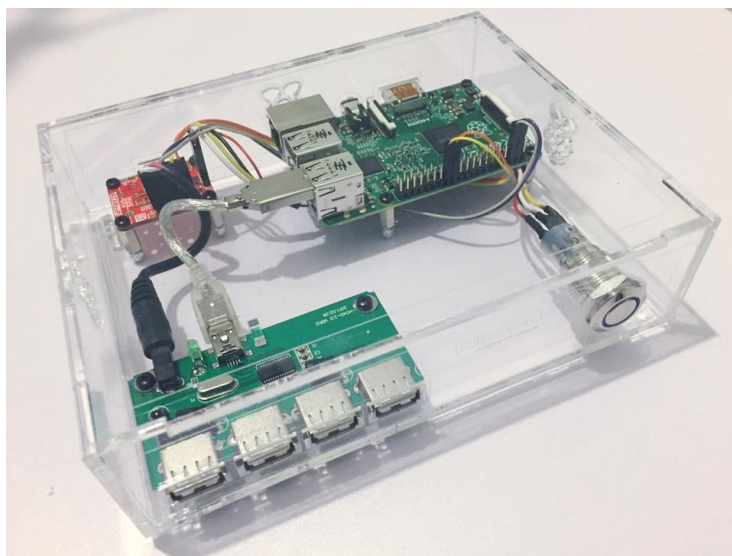
1: What you will get / What you will need

2: Setting Up your Nin10do console

3: Buttons and features (Basic Operation)

4: Emulation Station / Installing and configuring games

5: FAQ

1: What you will get / What you will need

You will receive:

- Nin10do console

- Controller(s)

- Micro-SD Card 16gb Class10 (already inserted and pre-installed)

What you will need:

- 5v 3A micro USB charger (2A minimum)

- HDMI Cable

- HDMI Monitor / TV

- (wireless) keyboard / mouse (optional)

2: Setting up your Nin10do console

Insert the HDMI cable in the Nin10do console and in your tv.
Note: First turn on your tv and then the Nin10do to avoid resolution problems.

Insert the power adapter in the 5v micro usb port (red pcb)

<mark>WARNING</mark>: ONLY insert the USB micro cable in the port that says **5V MicroUSB** and NOT in the Raspberry-Pi itself. Doing this can result in damaging both boards.

Insert the USB controller or keyboard and **turn on** the power switch

The LED will be active.

Nin10do will boot into EMULATION STATION

note: The RED led on the Raspberry Pi should be on at all times. If this isn't the case you may need to use a better power supply (at least 2A)

3: Buttons and Features (Basic Operation)

Turn on the Nin10do by pushing the button.

The buttons will light up and the Nin10do will boot to emulation station.

note: A Nin10do splashscreen is pre-installed for you. You can change the splash-screen yourself within RetroPie.

HOW TO TURN OFF THE NIN10DO

You can HOLD the BLUE button for approx. 3 or 4 seconds. You will know when to let go.

The Nin10do starts it shutdown sequence and carefully closes all the programs and turns the power off. The LED will SLOWLY blink during the shutdown sequence and will blink faster near the end.
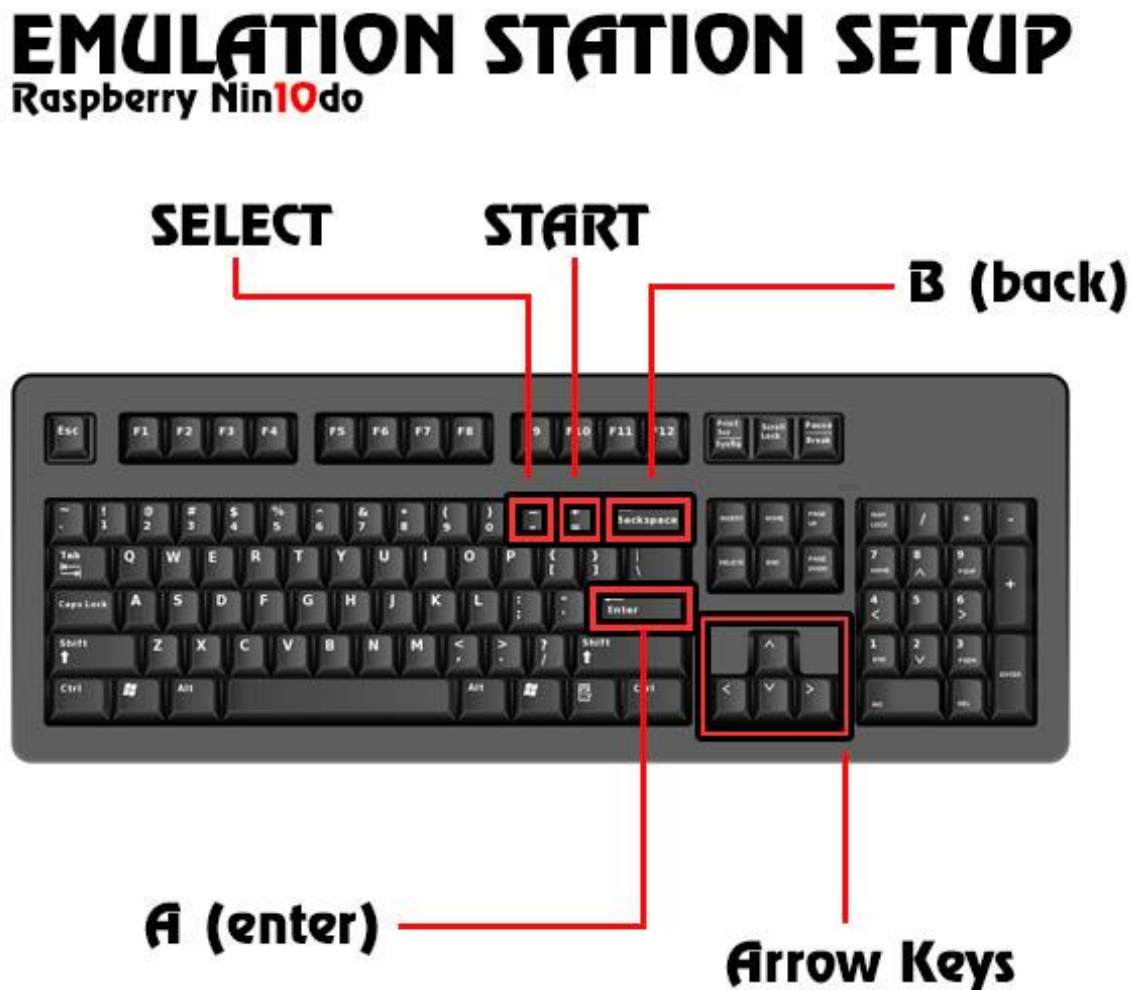
HOW TO RESET THE NIN10DO

You can HOLD the BLUE button for approx. 2 seconds. You will know when to let go.

The Nin10do will restart itself. The LED will blink FAST during the RESET mode.
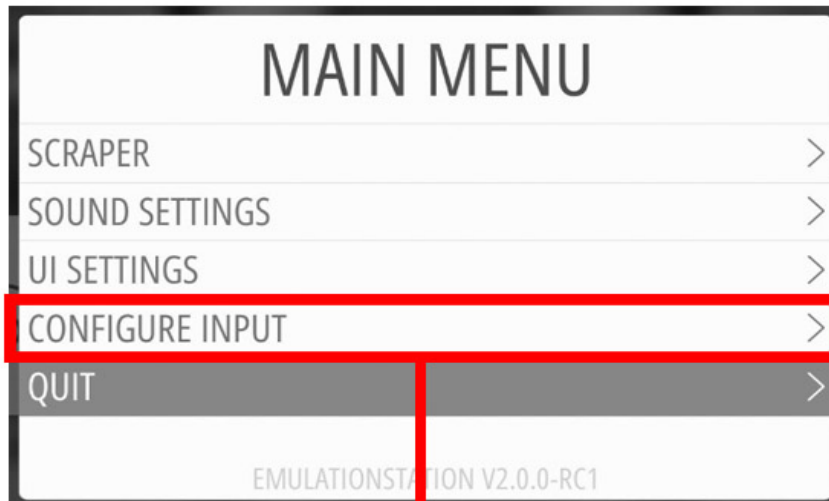
4: EmulationStation & Installing GAMES

The Nin10do will automatically boot to emulation station. You can navigate through the menu's with your keyboard or controller. You will need the following buttons: START / SELECT A(enter) B(EXIT)
I pre - configured the buttons like this:

The supplied controller(s) are already configured for you!

If you want to change the configuration or ADD a new controller just press the START button (inside emulationstation) and select 'CONFIGURE INPUT'. Just press the corresponding buttons and you are ready to go.

Press START
to get in this menu

Configure new Controller

Most emulators are already configured by Emulationstation/Retropie. Sometimes you need to manually change your button configuration. Sometimes this can be done IN game by pressing the TAB key on your keyboard or press SIMULTANIOUS on the SELECT and the X button on your controller.

Nin10doshop cannot help you with RETROPIE configuration but we recommend (if you are interested) to view some YouTube video's (search for 'Retropie 3 configuration)

Also please bookmark:

https://github.com/RetroPie/RetroPie-Setup/wiki

You will find EVERYTHING you will need here. Just click on the emulator you want to configure and read the way to do it!

- To help you get started: for consoles that require a COIN INSERT button you can press '5' on your keyboard (or TAB) and 'Z' or CTRL to START. (of course you can change the config to anything you like)

HOW TO ADD GAMES???

First off all you need to have your ROMS ready on your PC.
Also we need to know the IP address of your Nin10do console. Please make sure that you connected the ETHERNET cable OR configured the built-in WIFI.

If you start the Nin10do you will see the IP address just before the EMULATION STATION screen appears. There is also a function in the RETROPIE MENU (**not emulationstation menu**, you will find the retropie logo next to one of the emulators) 'show IP address' .

Note: You can also use the FING app on your Iphone to check the IP address of your Raspberry Pi

NOW INSTALL **WINSCP** on your computer (it is free to download)
insert your IP address as 'HOSTNAME' and click LOGIN. You will get a warning just click on YES.
login: pi **password**: raspberry
Now you can see all the folders of your Nin10do console!
Just navigate to the retropie/roms directory and find all the folders for the consoles/emulators.

Just drop your roms inside these folders and close your connection.

The next time you will start emulationstation you will see your new games appear!

Note: You can EXIT a game by pressing the SELECT AND START BUTTON on your joystick. With some emulators you need to press the ESC key and with DOSBOX CTRL and F9 ☺

SHADERS:

It is definitely worth checking out some of the build in shaders. It make the games look very realistic by adding scan-lines and authentic colors to them. You can test this by pressing the SELECT button AND the N or M key on your keyboard within a game. **Note that sometimes shaders can even improve the speed of your game**. You can also configure your favourite shader to load automatically at the start of the emulator. You can find much about this on Google: retropie > configuring shaders. Also check this video: https://www.youtube.com/watch?v=viSb9t-y7AU

5: Frequently asked Questions (FAQ)

Q: My screen stays black, where is my HDMI output?
A: Sometimes you can unplug the HDMI cable from the Nin10do (turn off first) and then reinsert it and turn on the Nin10do. If problems keep occurring just check this thread:
https://www.raspberrypi.org/forums/viewtopic.php?f=91&t=34061

Q: Where can I download ROMS???
Nin10doshop cannot help you with downloading illegal roms.

Q: How do I make a backup of the SD card?
A: You need to install WIN32Diskimager and create a IMG file of the SD card and store it on your computer. You can easily reverse this and burn the image back on a new sd card.

Q: How do I insert a Ethernet cable? The wires are in the way!
A: Just unscrew either the ATX RASPI board OR the Raspberry Pi and lift it (still attached) a little bit. You can easily insert the Ethernet cable this way.

Note: Now (with version 2) you will have WIFI built in to make life easy :-D

Q: Can I setup a new sd card by myself in the future?
A: Yeah sure! Just go to the Nin10do folder and copy the /home/pi/Nin10do/ folder and store it on your computer. You will need it later of course. Also copy the /etc/rc.local file to your computer . To do this you must first type in the Linux console (exit emulationstation and press a key to exit)" sudo chown -R pi:pi /etc " to give WINSCP access to the /etc file.
Install a new image following the instructions here: http://www.instructables.com/id/Installing-RetroPieEmulationStation-onto-Raspberry/?ALLSTEPS

Then copy back the Nin10do folder in home/pi/ and replace the rc.local file.
Then re-install the ATX Raspi script by typing in the terminal:

```
$ sudo wget https://raw.githubusercontent.com/LowPowerLab/ATX-Raspi/master/shutdownchecksetup.sh
$ sudo bash shutdownchecksetup.sh
$ sudo rm shutdownchecksetup.sh
$ sudo reboot
```

And you are ready to go!!

I hope the console will give you lots of (retro) game pleasure,

Each console is made with dedication, love and lots of patience,

Sincerely,

Daniël Spies

6: NEW: Installing the 314gb WD-Pi Drive

WD-Labs released the great new harddrive specially build for use with the Pi.
The Version 2 model of the Nin10do has mounting holes to accomodate the drive.
Here are the steps to install and configure the drive for use with the Nin10do V2.

1. Connect the drive to your PC or MAC, format it and create a partition likt you do with all new drives.

2. Connect the drive to a free USB port of the Nin10do AND connect a 5v power supply.
   (You can buy the special cable and mounting kit to avoid using a seperate power supply and built the drive inside the case)

3. To access the drive, type in the Linux terminal: cd /media/usb0 (drive is still empty)

4. Install your roms on the harddrive using WINSCP (as explained on the pages above)

5. Now change the configuration files so that the Nin10do **knows** it needs to search on the harddrive instead of the SD-Card.
   Do this by changing each path in the **/etc/emulationstation/es_systems.cfg** AND **/etc/emulationstation/es_systems.cfg.bak** files.
   Save the files and restart emulationstation.

6. Now the games are loaded from your new Hard-Drive!