



**KNULLI**

**USER MANUAL**

# Welcome to Knulli!

Knulli is a custom firmware for retro-gaming handheld devices. It comes with a lot of different well-integrated video game system emulators, ports, and a ton of additional features like PortMaster, RetroAchievements, and even a built-in scraper!

Revisit your favorite retro games or take your favorite indie games with you when you leave the house!

We love video games of all eras and we believe in keeping long forgotten classics alive for future generations. However, we do not condone piracy. If you want to play with Knulli, you must own the games you play!

# Why play with Knulli?



## Batocera

Knulli is a fork of Batocera Linux. It comes with all your favorite Batocera features!



## Peripherals

If your device has an HDMI port, Knulli supports playing on the big screen - with Bluetooth and USB controllers!



## EmulationStation

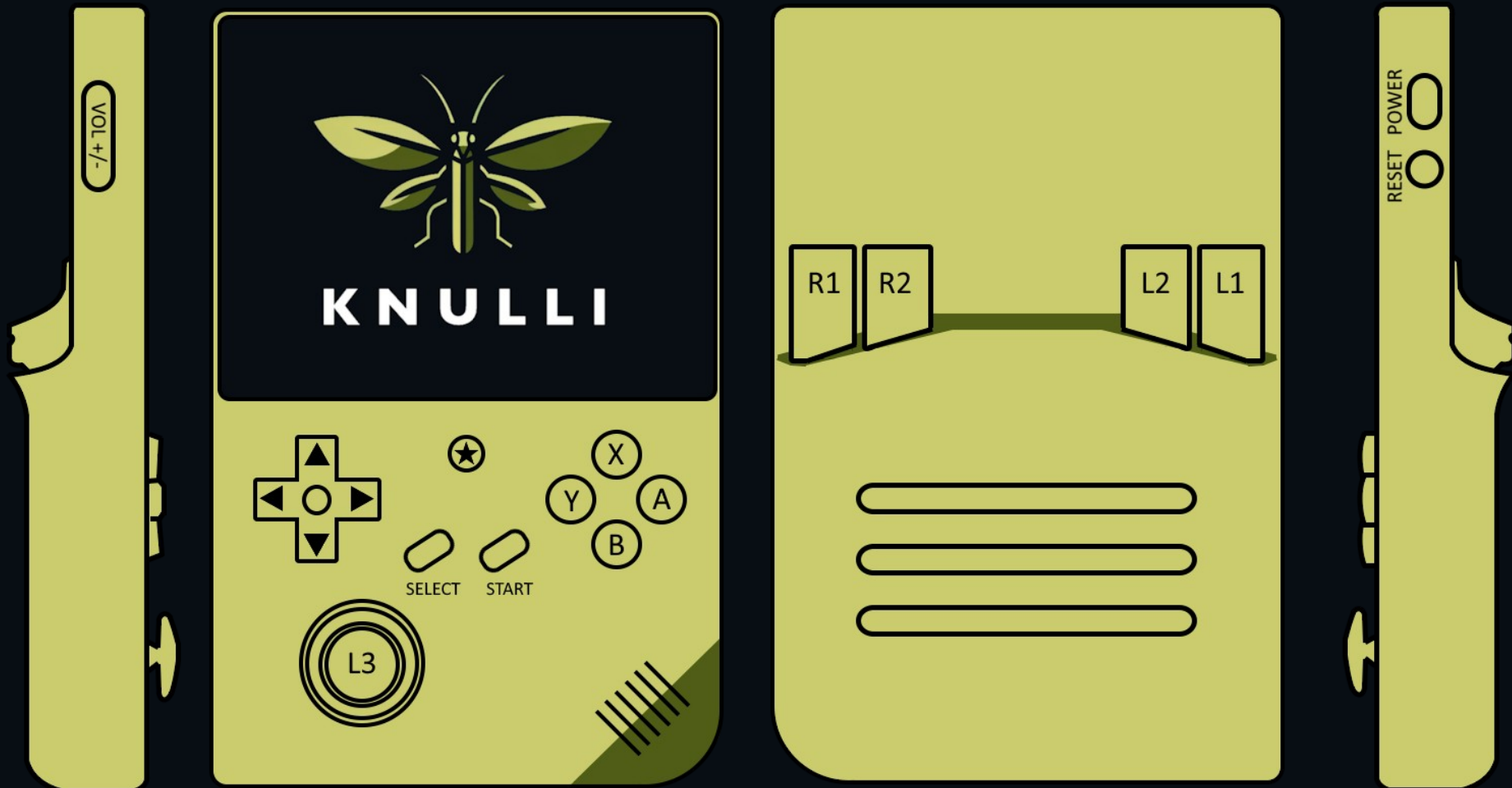
No need to learn how to set up every system individually. You will find all the options you need in the Knulli GUI.



## Open Source

Knulli is an open source project! Our work is freely available on GitHub. Feel free to contribute – we accept pull requests!

# Controls: Device Inputs



The arrangement of buttons may vary depending on your device.

# Controls: Output

## Video/Audio

VOL. +

Increase volume

VOL. -

Decrease volume



+

VOL. +

Increase brightness



+

VOL. -

Decrease brightness

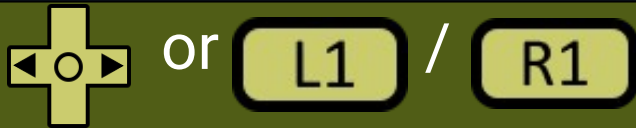
# Controls: Power

## Shutdown/Reset

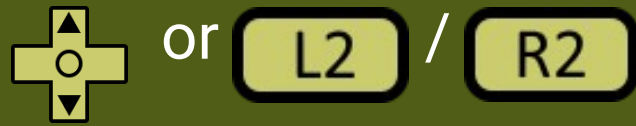
<b>POWER</b> (3 sec.)	Shutdown (autosave if available)
<b>POWER</b> (tap)	Sleep mode
<b>RESET</b>	Hard reset ( <u>emergency only!</u> )

# Controls: Menus & Settings

## Navigation



Prev. / next system



Prev. / next manufacturer







Select / confirm



Back / cancel

# Controls: Menus & Settings


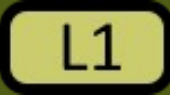
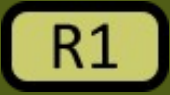

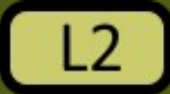
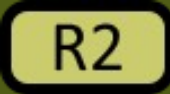



## Menu Controls

	Main menu
	Quick access menu
 (tap)	Quick search menu
 (hold)	random system








# Controls: Game Collections

## Navigation

	Previous / next game
 / 	Jump up / down in games list
 or  / 	Previous / next system
 (tap)	Launch game
 (hold)	Game options menu
	Back / cancel








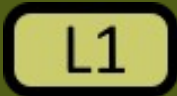

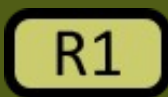



# Controls: Game Collections

## Actions

	Main menu
	System options menu
	Add game to favorites
	Quick search menu
	Go to random game









# Controls: In-Game Hotkeys

## Actions

 + 	Exit game
 + 	Open emulator menu
 + 	Reset emulator
 + 	Take a screenshot
 + 	Auto translate
	Add credit (arcade games)
 + 	Use d-pad as analog stick (only for devices without sticks)

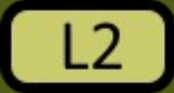

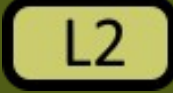

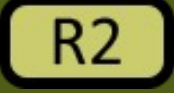

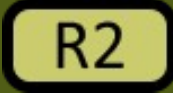
# Controls: In-Game Hotkeys

## Save & Load

 + 	Next / previous save slot
 + 	Rewind / fast forward
 + 	Quick save to current slot
 + 	Quick load from current slot

# Controls: In-Game Hotkeys

## Additional NDS controls

	Swap first / second screen
 + 	Switch dual / single screen
	Move touch cursor
	Touch cursor click
 + 	Microphone input

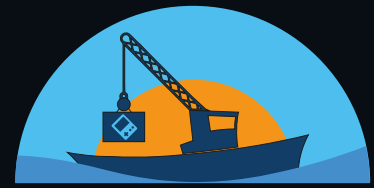
# Netplay



Netplay is a feature enabled by RetroArch and some libretro cores to play games with multiple players over the network.

Do you want to play Double Dragon on NES with your buddy who sits several miles away from you? Using netplay you can play both as Player 1 and Player 2 over the Internet, like if you were both playing on the same console, sitting next to each other.

# PortMaster



PortMaster is a management tool which allows to download and install a huge number of video game ports on Linux-driven handheld devices.

The PortMaster library contains ports of many commercial retro games and indie games which have been ported to run natively on your handheld device.

(Be aware that you need to provide your legally obtained original game files in order to play commercial games.)

Additionally, PortMaster brings a ton of free open-source ready-to-run games you can simply install and play!

# RetroAchievements



Knulli offers support for RetroAchievements, allowing you to earn custom-made achievements in classic games through emulation.

After registering at **retroachievements.org**, simply provide your username, password, and API key to Knulli. You will be able to unlock achievements while you play.

Start hunting for achievements now and compare your achievements with your friends!

(Be aware that not every emulator/engine supports RetroAchievements though.)



# Built-in Scraper SCREENSCRAPER

Knulli comes with a built-in scraper, which scans your system for available games and retrieves meta data, cover art, screenshots, and videos. Organize your game collection directly from your gaming device!

The scraper comes with a lot of options to scrape exactly the data and media you long for. Display your collection the way you like it!

The built-in scraper even supports ScreenScaper. Simply register and **screenscraper.fr** and provide your credentials to Knulli, start scraping and let your collection truly shine!