SCBP

SERIOUS CURIOUS BASTARD'S PLAYGROUND

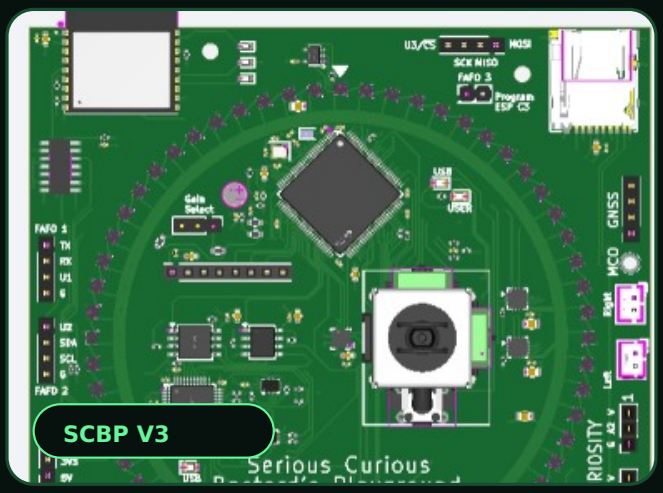
A playground for people who want to know how stuff works.

EVERYTHING YOU NEED.

NOTHING DUMBED DOWN.

One serious STM32 platform for learning, prototyping and professional embedded development - without building a pile of modules before you can build the thing you actually wanted.

Learn on it. Prototype on it. Do real work on it.



ONE USB CONNECTION / PROGRAM / DEBUG / SERIAL / BUILD

THE ENGINE

STM32U575

A powerful low-power ARM Cortex-M33 with the performance and peripherals for serious real-time work.

CONNECTED

Wi-Fi, Bluetooth, USB-C

ESP32-C3 wireless, USB communications, plus accessible UART, I2C and SPI interfaces.

SIGHT AND SOUND

Display, audio, 60 RGB LEDs

Colour TFT, microphone, stereo digital audio and a full ring of individually controlled light.

AWARE

GNSS, motion and analogue

Knows where it is, which way is up and what the real world is doing through ADC, DAC and op-amp facilities.

REMEMBERS

microSD, Flash and MRAM

Plenty of storage for data, assets, logs and the state that must still exist after the power disappears.

MAKES THINGS HAPPEN

Servo, GPIO and expansion

Control movement, attach hardware and get at the interfaces. It is a platform, not a sealed trick.

NO LOCKED-DOWN LESSONS. NO RESTRICTIVE ECOSYSTEM. NO CEILING.

V3 GETS OUT OF YOUR WAY

Integrated CMSIS-DAP v2 programmer/debugger, USB serial and USB hub. Program the SCBP or an external target. No separate programmer. No cable pile. One board, one connection, straight to work.

Knows where it is. Knows which way is up. Talks. Listens. Remembers things.

Plays Pong. And will win.

SCBP.UK