

Layout

```

STM32 SERIAL COMMANDER                               /dev/ttyACM0 · 115200 baud |
|-----|-----|
| COMMANDS | MOTOR |
|          | erpm  2000 [e] |
| [1] speed | accel 1000 [a] |
| [2] stop  | time ms 5000 [t] |
| [3] profile |          |
|          | PIO |
| [b] pio build | target upload [p] |
|          | env   can_board [n] |
| [q] quit |          |
|-----|-----|
| TX | INCOMING |
| ▶ connected /dev/ttyACM0 | [INFO] system ready |
| ▶ speed 2000 | [INFO] CAN init ok |
| ▶ profile 2000 1000 5000 | [WARNING] temp high |
|-----|-----|
| 1 speed  2 stop  3 profile  b pio build  e/a/t/p/n edit  q quit |

```

Top-left — COMMANDS: Available key bindings. [q] is visually separated from the command group.

Top-right — MOTOR / PIO: Editable parameters with current values. Each shows its edit key in brackets. Values highlight in yellow when active.

Bottom-left — TX: Scrolling log of sent commands, prefixed with . Most recent entries appear at the bottom.

Bottom-right — INCOMING: Scrolling serial output, colour-coded by severity:

Prefix	Colour
	Red
 / 	Yellow
	Cyan
(other)	White

Status bar: Shows edit mode prompt when a field is being edited; otherwise shows the full key reference.

Terminal Requirements

Minimum ~80×24 terminal. Colour support recommended — falls back to `curses.COLOR_MAGENTA` if the terminal cannot redefine colours (the TUI uses a custom purple `#5a2273`).