



Air Giants Limited Manual for esp_lyrat_can_board

<https://wiki.airgiants.co.uk/>

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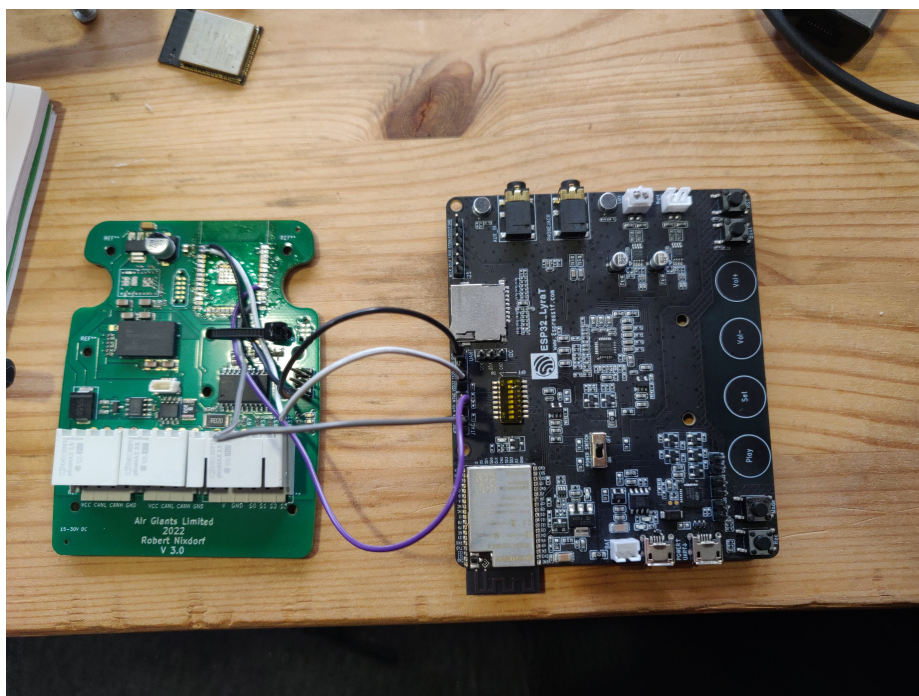
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ESP LyraT CAN board

A [LyraT v4.3](#) wired up to an ESP-less [unfurl node](#). We redefine the JTAG pins as a CAN ([TWAI](#)) interface and connect them directly to the pads on the node board that are connected to the [CAN bus transceiver](#).

The goal is to prototype an ESP-based “Audio Node” to replace the Beaglebone board for playing the creature sounds



Wiring

MTDI (GPIO_12) → CAN_D (GPIO_5) MTDO (GPIO_14) → CAN_R (GPIO_4)

3.3V and GND come from the Lyra board

DIP switches 3, 4, 5, 6, 7 are in the ON position, and the SD card has to be in 1-wire mode.



A basic CAN example from ESP-IDF is being used to test it with an [Entree CAN interface](#) running the candlelight firmware.

Code is here in a branch: <https://github.com/airgiants/esp32-node-unfurl>

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