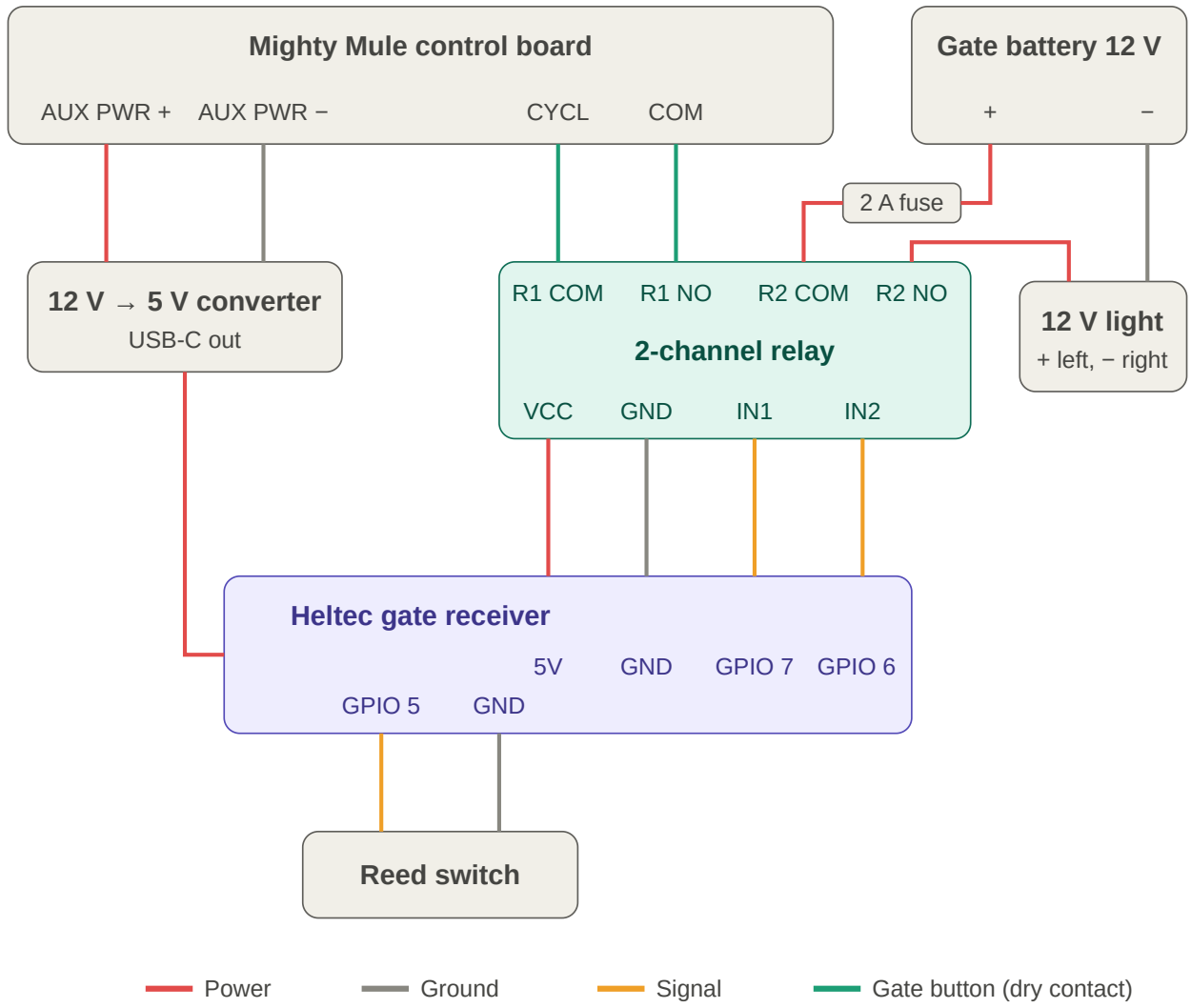
Gate receiver wiring

Heltec WiFi LoRa 32 V3 inside the Mighty Mule control box

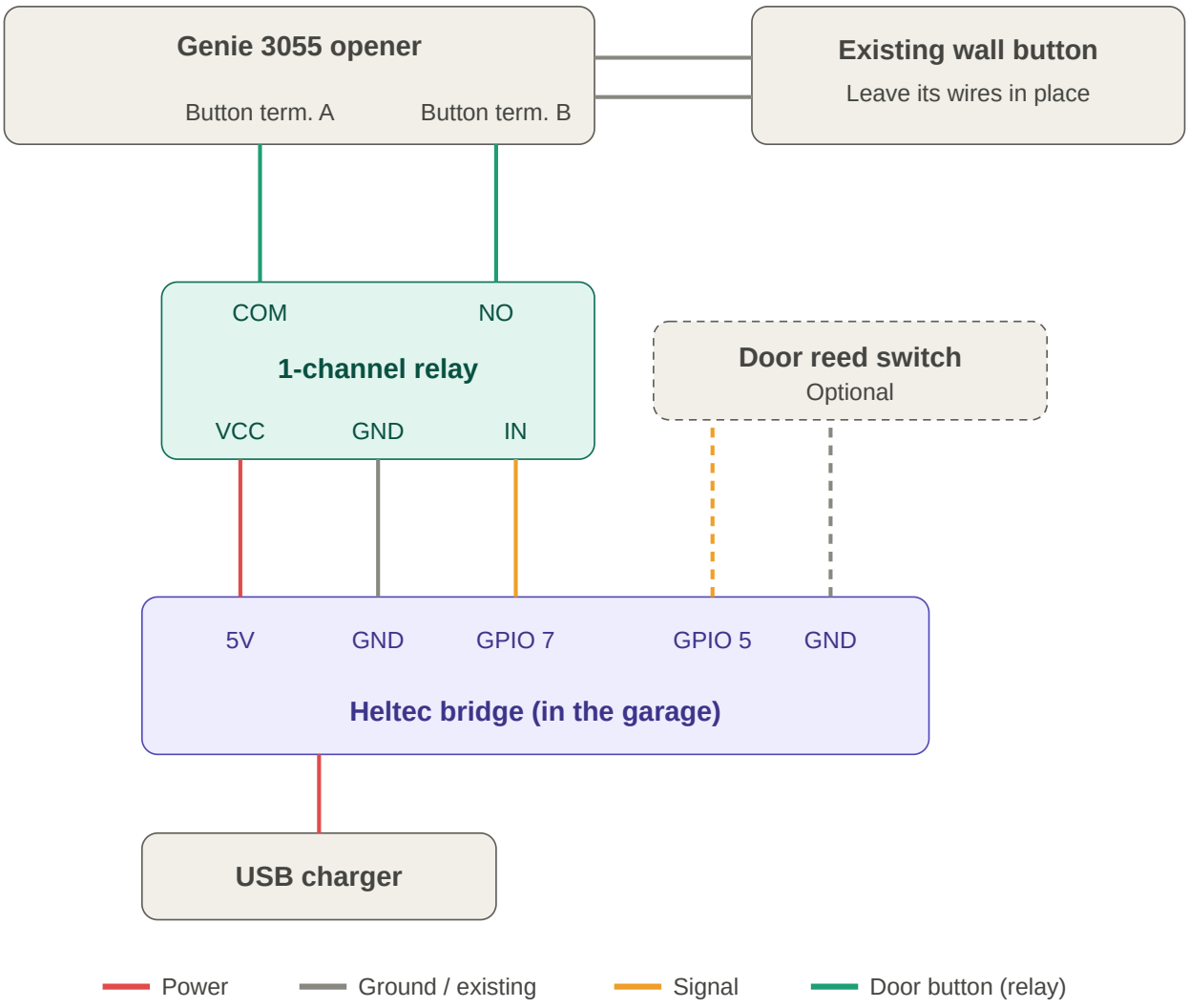


Notes

- Turn the opener off with its rocker switch before wiring.
- AUX PWR + and − already hold the red and yellow magnetometer wires; add the converter wires alongside. Check AUX PWR reads 12–14 V first; if not, feed the converter from the battery through a 2 A fuse.
- Relay 1 NO goes to the empty COM terminal. Leave the black (COM) and blue (EXIT) magnetometer wires where they are.
- Put the 2 A fuse close to the battery + terminal.
- Reed switch on the gate post, magnet on the gate, within about 1/2 inch when closed. Then set HAVE_REED_SWITCH to true.

Garage door wiring

Heltec bridge in the garage, driving the Genie 3055 wall-button input



Notes

- Unplug the opener before touching its terminals.
- Button terminals A and B are the two screws where the wall button wires already connect. Put the relay's two wires under the same screws; either relay wire can go to either terminal.
- Use 2-conductor bell wire (18–22 AWG) between the relay and the opener.
- Optional door reed switch: on the door frame, magnet on the door. Then set HAVE_GARAGE_REED to true in the bridge program.
- Test first: with the opener plugged in, briefly touch a wire across the two button terminals. If the door moves, the relay will work.