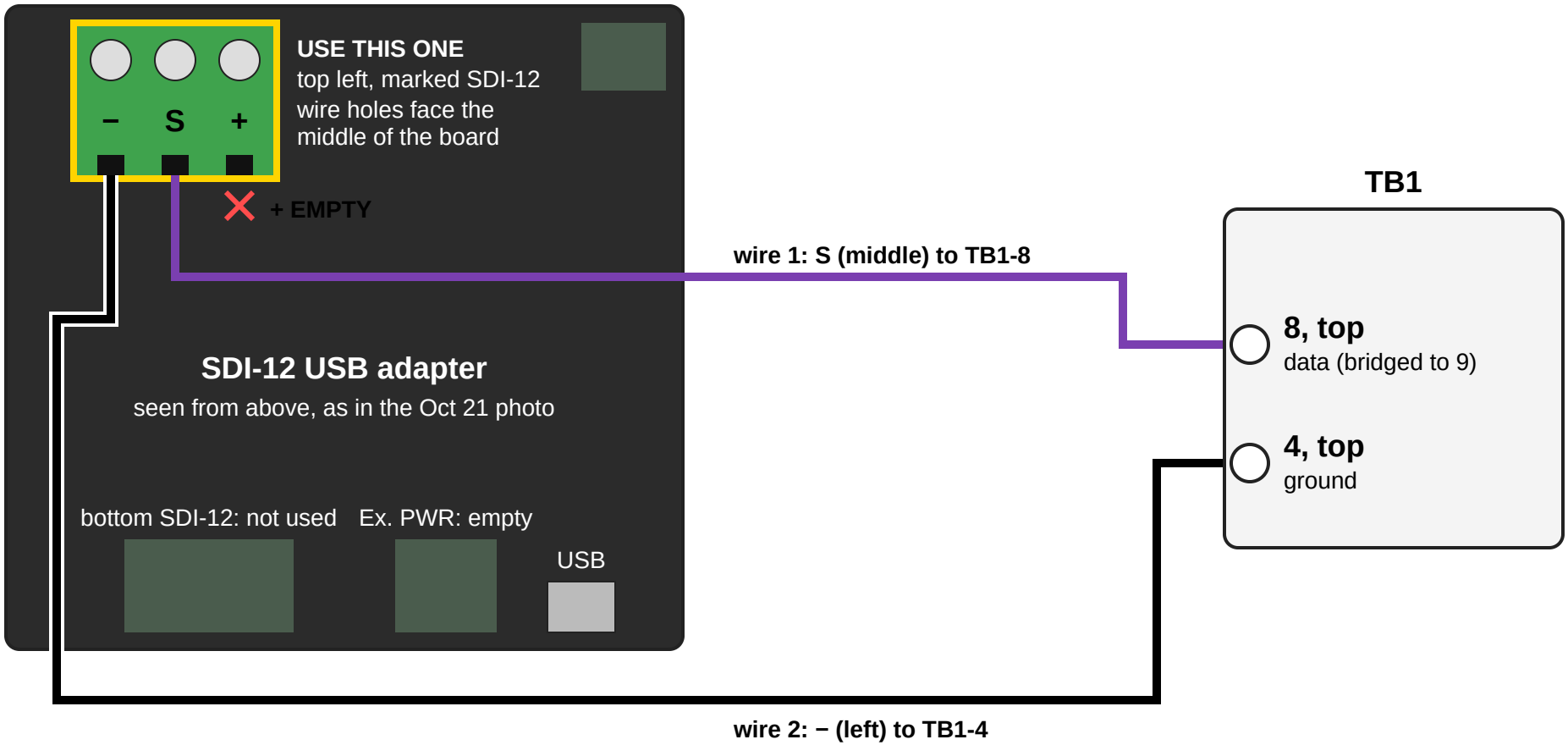
SDI-12 adapter in the USB hub box: one USB cable, two wires

Board: LiuDr SDI-12 USB Adapter (black), bought from Tindie Sep 2026. Drawn as it sits in Mike's Oct 21 photo, parts side up.



- **The rule, from the maker's manual (p. 10):** "The markings are on the underside of the board to save space. When you are facing the connector's holes with the board right-side-up, the pins are ALWAYS "-", bus, "+" from left to right." So: look straight into the wire holes, and it is **left −, middle S (data), right +**, on every SDI-12 block.
- **Use the top-left block.** Its wire holes face the middle of the board (read from the Oct 21 photo), so with the board held as in the photo you are already facing them: left −, middle S, right +. The bottom blocks face the other way, so from above they read backwards; skip them.
- **Wire 1:** middle screw (S) to TB1 terminal 8, top. **Wire 2:** left screw (−) to TB1 terminal 4, top. **Right screw (+): nothing.**
- **Jumper:** leave it as it came (USB 5V; it only feeds the + screws, which are empty). **Ex. PWR:** nothing. **USB:** micro USB to any hub port, tied down within 2 in.
- The two sensors get 12 V from the hub box's converter, not this board. Set the HygroVUE to address 1 alone (send **0A1!**) before the BaroVUE joins.
- Source: LiuDr, SDI-12 USB Adapter User Manual, 2021-02-26, p. 10 (copy in **Reference**).