DSI-24 QUICK GUIDE

This Guide is meant to be a supplement to, <u>not</u> a substitute for, reading the user manual, watching tutorial videos, and attending training.

1. Measure head circumference for fit (**54-62 cm** is optimal, 52-54 cm might be loose).
2. Turn on headset (in wireless mode it will start to flash green).
3. For individuals with long hair, let their hair down and part it above the ears.
4. Place DSI-24 headset on head (help open rear arms, bring band to ears).
5. Bring to ears. (Ears should be bent away from headset, not under it).
6. Slightly tighten headband using tightening wheel, just so front band does not fall on eyes.
7. Adjust hub sensors so they are flush with head using fingers.
8. Center front arrow to nose.
9. In case of long hair, bundle hair away from sensors in headband using tool or Q-tip.
10. Front band should rest approx. 1 cm above eyebrows; skin should be smooth underneath.
11. Brush away hair from under front strap.
12. Tighten headset till comfortably snug.
13. In case of hair growth under F7/F8, hold at F7/F8 & wiggle up and down a few times.
14. Adjust T3 and T4 sensors to align over ear holes.
15. Adjust top hub to:
    15.1 align Fz to arrow on front band
    15.2 ensure that C3 and C4 are equidistant from headband.
    15.3 ensure Fz and Pz are equidistant from the headband.
16. Tighten elastics with cord lock so top hub does not bounce (tighter for ambulation)..
17. If subject has long hair, lift each sensor, part hair and place sensor back down.
18. Using tool, rotate sensors: 2x 90° slowly; 2x 45° quickly; press down 1 s; and remove tool.
19. Repeat Step 18 for all sensors (do not forget Cz).
20. Attach ear clip sensors (sensor behind the ear).
21. If using ECG/EMG/EOG sensors, place on body and plug into Xx ports in back of headset.
22. If using wired mode, plug u-USB cable into headset, loop to attach to **back** arm of hub.
23. If using triggers, plug dongle or cable into trigger port, loop to attach to **front** arm of hub.
24. Pair Bluetooth, determine COM port, then launch software.
25. Check impedance, check for artifacts (EMG, CBA, sweat), and adjust as necessary.