



# EASYCAP

EEG Recording Caps and Related Products

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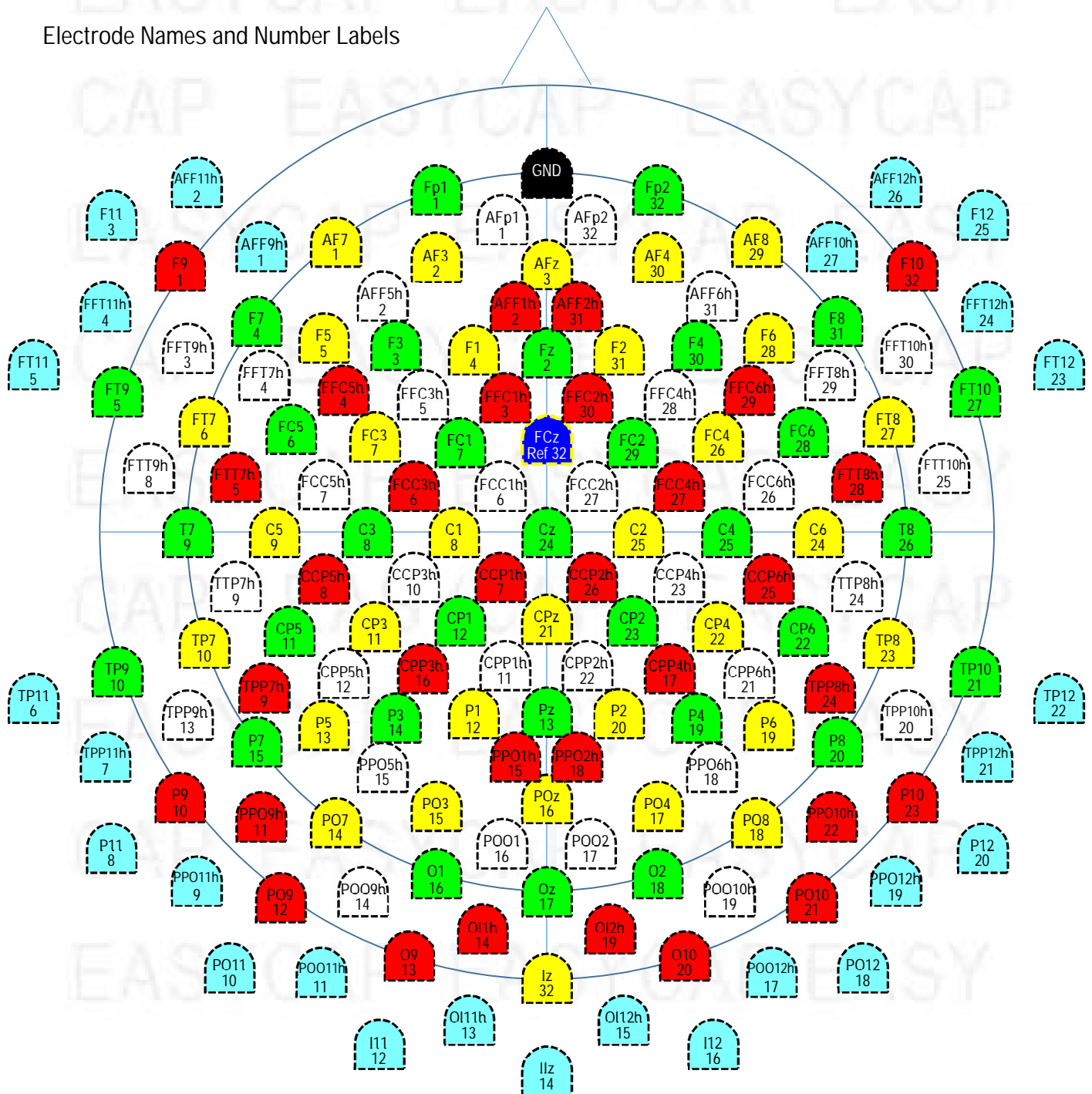
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## Cap for 160Ch actiCAP slim

Standard Layout

**actiCAP**  
slim

Electrode Names and Number Labels



## Details

### Ordering Information

For ordering please give Article Number, Cap Cut, and Size (e.g. CAS-160, C-Cut, 56):

- Article Number: CAS-160
- Cap Cut: C-Cut or A-Cut
- Size (given in cm head circumference):  
Adult caps: 52, 54, 56, 58, 60, 62, 64 (average male: 58, average female: 56)

The catalogue-number comprises the cap with 160 + 2 openings for actiCAP slim electrodes as described. For further information about accessories or consumables, please visit our website or contact our local distributor.

### Cap

Standard: White Infracerebral Cap with integrated chin belt, made from High Precision Fabric

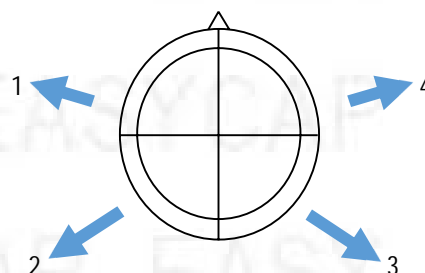
Options: C-Cut or A-Cut, Size

### Electrodes

Button the electrodes directly into the cap fabric, as indicated in the figure: Electrodes 1-32, 33-64, 65-96, 97-128, and 129-160 are actiCAP Slim electrodes, terminating at a splitter box for connection to actiCHamp or actiCAP control box. REF and GND (160cm) come with individual connectors.

Electrodes blue 28-32 from the last electrodes set do not have openings in the cap. For alternative usage (e.g. EOG), electrodes can also be attached to the skin with washers (= double-sided adhesive rings).

The velcro straps attached to the cap help you to organize and fixate the cable wires.



Please note: Each 32Ch electrode set is labelled 1-32; however, the splitter boxes are numbered 1 through 5.

Please use the electrodes of splitter box 1 for channels 1-32 (green positions in the figure).

Please use the electrodes of splitter box 2 for channels 33-64 (yellow positions in the figure).

Please use the electrodes of splitter box 3 for channels 65-96 (red positions in the figure)

Please use the electrodes of splitter box 4 for channels 97-128 (white positions in the figure)

Please use the electrodes of splitter box 5 for channels 129-160 (blue positions in the figure, blue 28-32 not in cap)

### Usage WITH or WITHOUT REF-Electrode

If your hardware requires a REF electrode (e.g. actiCAP control box), button Ref into the opening at FCz. You may then use Iz position for yellow channel 32, or, use one of the spare electrodes, e.g. Ch 156, to plug it into Iz and adjust the workspace accordingly.

If your hardware uses NO REF electrode (e.g. actiCHamp).

leave the REF electrode unused. You may use FCz, or Iz, for yellow channel 32.

### Hints when performing TMS and EEG simultaneously

To minimize the TMS artefacts onto the EEG signal, electrode cables should be led away from the TMS stimulation point. To be able to do so, the electrode cables are not attached to the cap and can be rotated 360° in their cap holes. You may secure a certain cable geometry with the enclosed cable clips and velcro straps.

Depending on the site of the TMS stimulation, it may be advisable to move the electrode used as REF away from the stimulation point to another position further away.