



EASYCAP

EEG Recording Caps and Related Products

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Standard 64Ch actiCAP Electrode Cap

Usable With and Without Dedicated Reference-Electrode

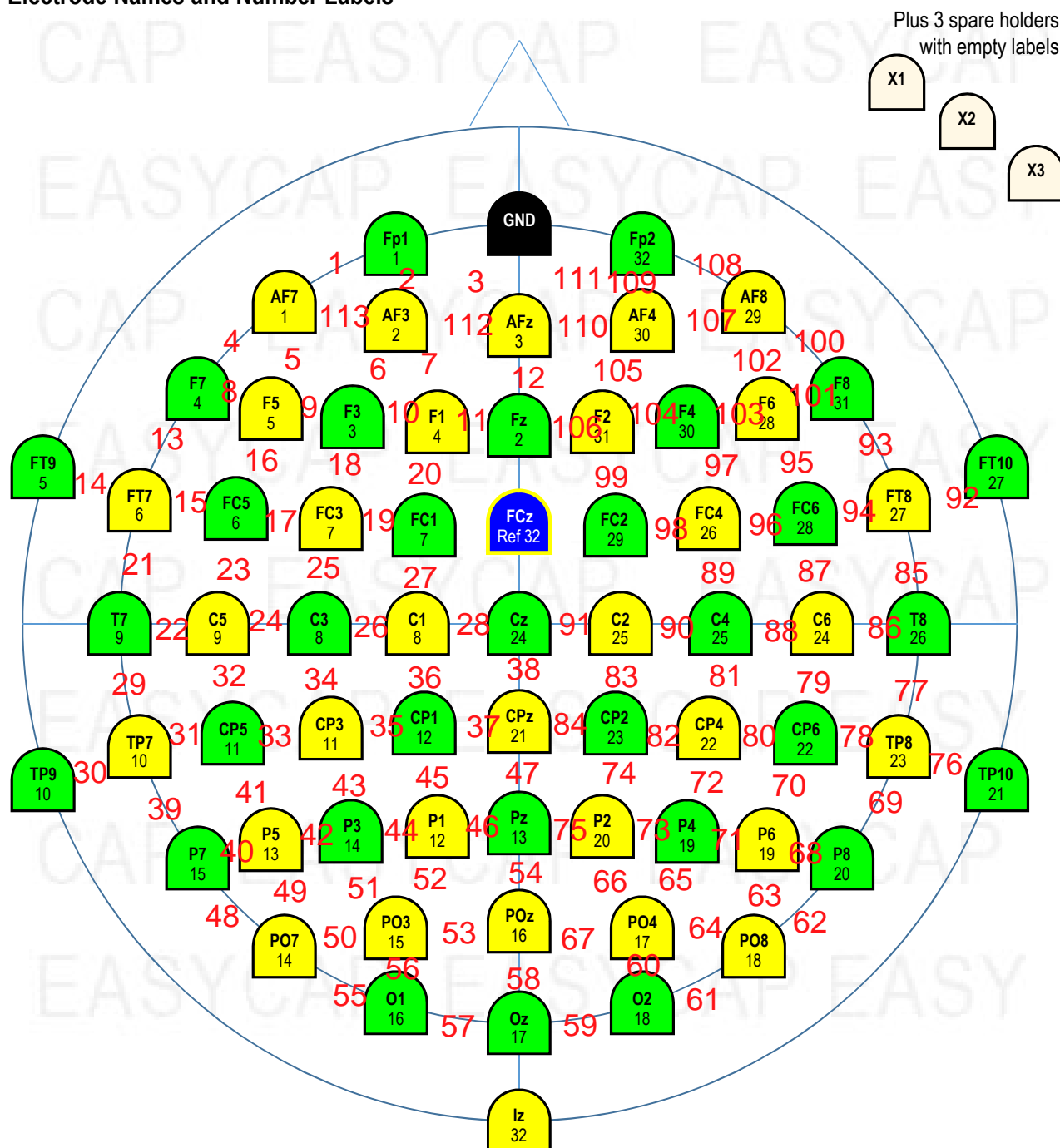
Green Holders: Label 1-32, Hardware Channel 1 – 32

Yellow Holders: Label 1-32, Hardware Channel 33 - 64

Blue holder: For Ref or Ch64

Black holder: Label & hard-wired Gnd

Electrode Names and Number Labels



Details

Ordering Information

For ordering please give **Article Number, Cap Cut, and Size**

(Example: CMA-64, Caucasian, 58):

- Article Number: **CMA-64**
- Cap Cut: **Caucasian** or **Asian**
- Size (given in cm head circumference):
 - Adult caps: **52, 54, 56, 58, 60, 62, 64** (average male: 58, average female: 56)
 - Children caps: **50** (3-4 years), **52** (5-10 years), **54** (11-14 years)
 - Infant caps: **42, 44** (7 month), **46, 48** (2 years)

The catalogue-number comprises the cap as described, serial number, and this document; all packed in a labelled cardboard box. For further information about accessories or consumables please visit our website or contact our local distributor.

Cap

White Sublnion Cap with integrated chin belt.

Sizes 52 – 64 made from High Precision Fabric, Sizes 50 and smaller made from High Comfort Fabric

Options: *Caucasian* or *Asian*, *Size*

The holders are mounted according to the figure. The positions are chosen from 10%-System. Positions TP9/TP10 approximately meet left and right mastoids.

Each cap comes with 3 loose holders for use with double-sided adhesive rings to place electrodes on bare skin. The grip of the washer is better, when both, skin and holder, are degreased with alcohol prior to application.

Electrode Assignment

The actiCAP electrodes come in bundles of 32, each labelled 1-32.

Plug the electrodes 1-32 of the first bundle into the green holders, which are also labelled 1-32. These are the amplifier channels 1-32.

Plug the second bundle into the yellow holders, which are channels 33-64.

If your amplifier requires a dedicated Ref-Electrode, plug Ref into the dark blue holder at FCz and plug Ch 64 (yellow 32) into Iz.

If your amplifier uses NO Ref-Electrode plug Ch 64 (yellow 32) into the dark blue holder at FCz.

Supplementary Files

Each cap comes with a memory stick containing 2 bv ef-files, one for use with REF, one for NO_REF. Use these bv ef-files to assign the electrode names to channel numbers while creating the BrainVision Recorder Workspace. The bv ef-file also contains the coordinates of the electrodes

Additionally this stick contains a bv ef-readme, a guide map to illustrate the sequence of electrode numbers, and this document.

Accessories

The cap can be fixed either by the integrated chin belt alone, or additionally / alternatively by a chest belt (not included). Normally the decision between these two methods can be made according to what is more comfortable for the subject. Under difficult conditions the chest belt will hold the cap in place a little better.

Service

In case of any further questions

- Regarding consumables (e.g. electrolyte gel, syringes) and their usage, regarding cap, holders, layout, belts, please contact our local distributor or info@easycap.de. Please have the serial number of your cap at hand (syntax CMAxxxxx, located on the backside label of the cap).
- Regarding actiCAP electrodes and associated electronics and software, please contact the local Brain Products Distributor or support@brainproducts.com.