



# EASYCAP

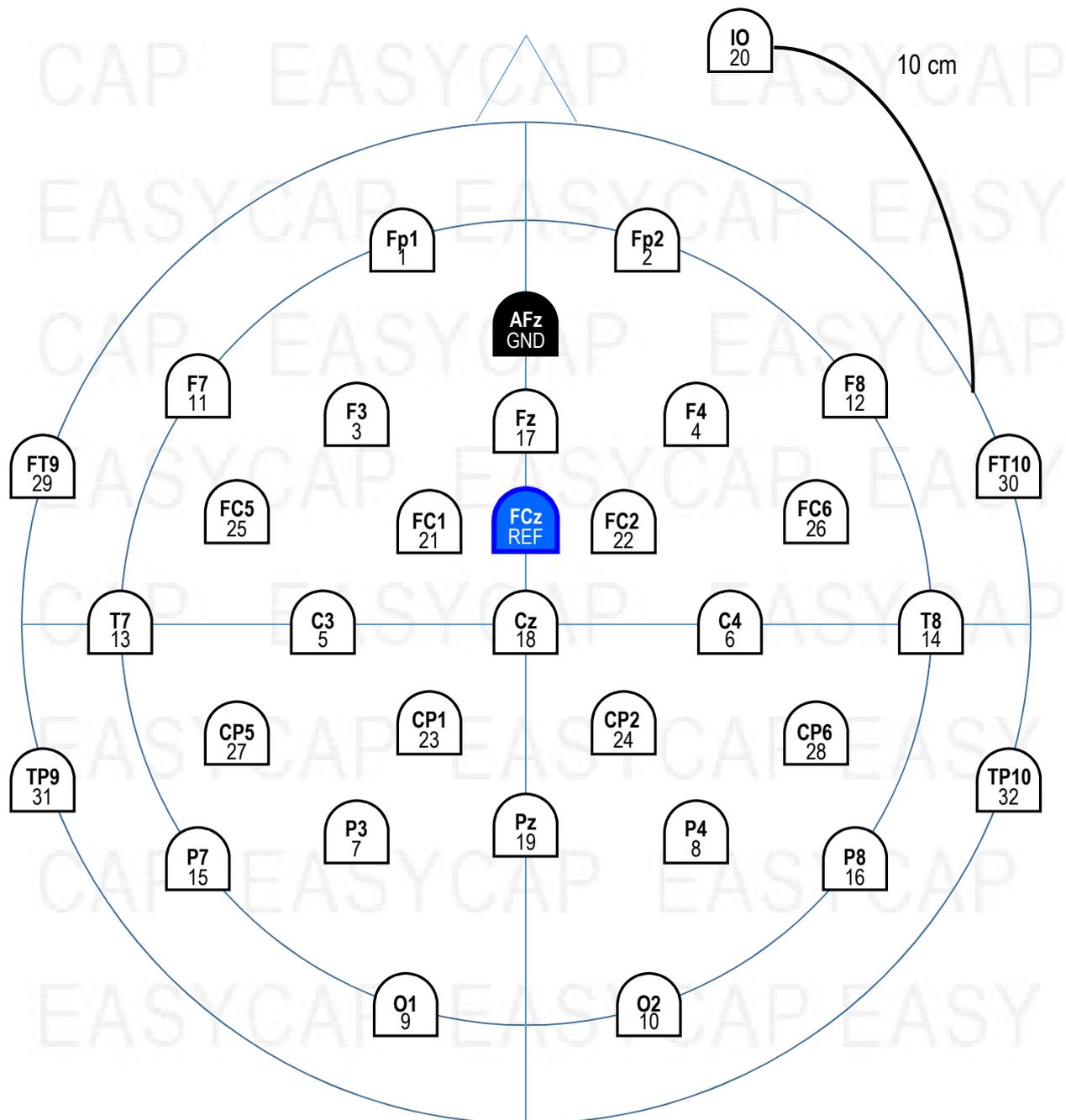
EEG Recording Caps and Related Products

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## 32Ch Standard EEG Recording Cap for LiveAmp with Passive Multitrodes

### Electrode Layout and Channel Assignment



Y:\AL\Hauben\_Layouts\LC\_LiveAmp\_Passiv\LC-32\LC-32.docx



## Details for Users

### Ordering Information

For ordering please give Article Number, Cap Cut, and Size (**Example: LC-32, Caucasian, 58**):

- Article Number: **LC-32**
- Cap Cut: **Caucasian** or **Asian**
- Size (given in cm head circumference):
  - Adult caps: **54, 56, 58, 60, 62, 64** (average male: 58, average female: 54)
  - Children caps: **50** (5 years), **52** (7 years), **54** (11 years)
  - Infant caps: **36** (newborn), **38, 40** (3 months), **42, 44** (7 month), **46, 48** (3 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

Black Sub-Inion Cap with Pocket for LiveAmp and integrated chin belt, made from High-Comfort Fabric.

*Options: Caucasian or Asian, Size*

### Electrodes

All electrodes are Multitrodes with sintered Ag/AgCl sensors and extra-thin cables. All cables are white. The electrodes are buttoned directly into the cap (total height 3,5 mm) or can be attached to the skin with washers (= double-sided adhesive rings).

All electrodes are number-labelled at the sensor end.

The cables are attached to the cap with nylon threads. They leave the cap below O1 and O2 and meet at the connector-box.

### Termination

All cables end in the Connector to LiveAmp.

### Theta/Phi-Coordinates

Please find a table with Theta/Phi-Coordinates of all electrode sites at the end of this file.

Table of Coordinates for LC-32

Channel-number	Name	Theta	Phi
1	Fp1	-90	-72
2	Fp2	90	72
3	F3	-60	-51
4	F4	60	51
5	C3	-45	0
6	C4	45	0
7	P3	-60	51
8	P4	60	-51
9	O1	-90	72
10	O2	90	-72
11	F7	-90	-36
12	F8	90	36
13	T7	-90	0
14	T8	90	0
15	P7	-90	36
16	P8	90	-36
17	Fz	45	90
18	Cz	0	0
19	Pz	45	-90
20	IO	--	---
21	FC1	-31	-46
22	FC2	31	46
23	CP1	-31	46
24	CP2	31	-46
25	FC5	-69	-21
26	FC6	69	21
27	CP5	-69	21
28	CP6	69	-21
29	FT9	-113	-18
30	FT10	113	18
31	TP9	-113	18
32	TP10	113	-18
Gnd	Afz	67	90
Ref	FCz	23	90

These values are standardized to a Theta of 90° for the plane through Fpz, T7, T8, Oz.

The signs follow this convention:

