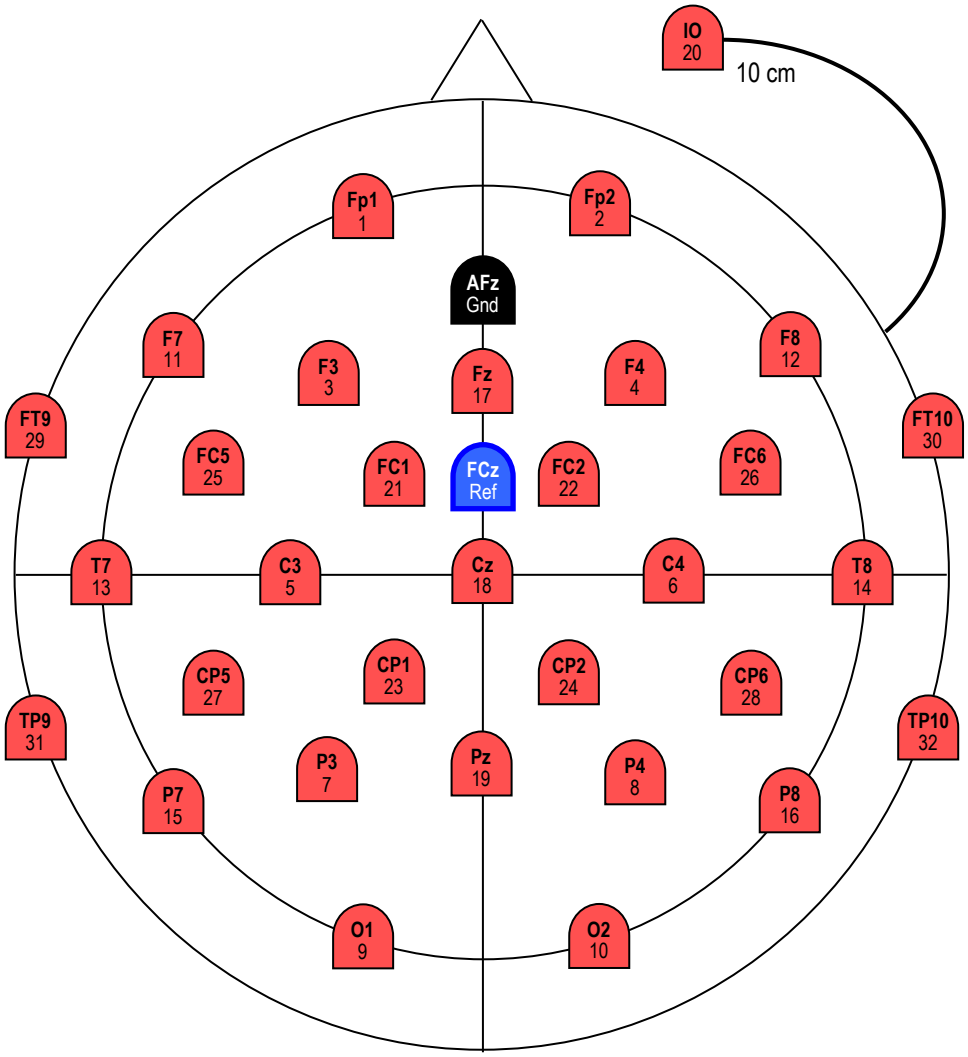
BC-32-X3 - 32Ch-Standard-BrainCap with Multitrodes

With safety sockets

Electrode Layout and Channel Assignment



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Details

Ordering Information

For ordering please give **Layout Name, Cap Cut, and Size** (e.g. *BC-32-X3, C-Cut, 56*):

- Layout Name: ***BC-32-X3***
- Cap Cut: ***C-Cut*** or ***A-Cut***
- Size (given in cm head circumference):
  - Adult caps: ***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: **34**, ***36*** (newborn), ***38***, ***40*** (3 months), ***42***, ***44*** (7 month), ***46***, ***48*** (2 years)

The catalogue-number comprises the cap as described. For further information about accessories or consumables, please visit our website or contact our local distributor.

Cap

Standard: Subtemporal Cap with integrated chin belt, white.
Sizes 54 – 60 made from High Precision Fabric, Sizes 50 and smaller made from High Comfort Fabric
Options: C-Cut or A-Cut, Size. For futher variations, contact us.

Electrodes

All electrodes are Multitrodes with sintered Ag/AgCl sensors. They 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 and at the connector end.
The cable colours correspond to the above figure.

The cables are attached to the cap with nylon threads. Two cable trees leave the cap plait-like behind the ears, pointing downwards. The length of cable trees is approx. 120 cm.

Termination

Cables end with 1.5mm safety sockets.

Cap Layout download

The QR code and link below take you to the download section of our website, where you can search for and download this cap layout document including Theta/Phi coordinates:
https://easycap.de/cap-layout-download/
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Table of Coordinates for BC-32-X3

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:

