



## Details

### Ordering Information

For ordering please give **Article Number, Cap Cut, and Size**  
(e.g. *BCA-SL-64, C-Cut, 56*):

- Article Number: **BCA-SL-64**
- 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: **42, 44** (7 month), **46, 48** (2 years)

The catalogue-number comprises the cap as described and an electrode input device ("EIB64-DUO"). Flat ribbon and GND connecting cable for quick-connect to actiCHamp is an extra item ("AP-Connect-Set DUO"), best purchased once per amplifier. For further information about accessories or consumables, please visit our website or contact our local distributor.

### Cap

Standard: Subinion Cap with integrated chin belt, **black**

All Sizes made from High Comfort Fabric

*Options: C-Cut or A-Cut, Size*

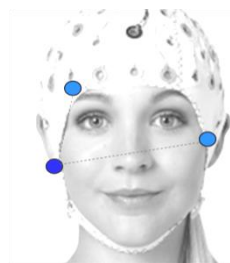
### Electrodes

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 name-labelled at the sensor and number-labelled at the socket end.  
The cable colours correspond to the above figure.

Mastoid positions in the cap are approximated with TP9' / TP10' , 1cm below TP9 / TP10.

EOG positions E1 / E2 in the cap are approximated with F9' / F10' , bilateral at the lower outer canthus of the eyes.



*EOG: For alternative EOG recording against right mastoid M2, please move the E2 electrode from position F10', close to the cap rim, to position AF8 (=E2'), located ABOVE the right eye. Then please reference your two EOG channels offline to the right mastoid, M2. This will result the EOG recording situation as also recommended in AASM.*

Both alternative positions for recording of the EOG are integrated with openings in the cap for ease of application and better signal quality.

The cables are attached to the cap with nylon threads. Two cable trees leave the cap plait-like behind the ears, pointing downwards. Cables are kept flat to the cap for better comfort. Cable trees are covered in soft fabric for better comfort. The length of cable trees is approx. 120 cm

### Termination

Cables end with name-labelled 1.5mm safety sockets, inserted in electrode input box EIB64-DUO.

Table of Coordinates for BCA-SL-64

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	FPz	90	90
18	Fz	45	90
19	FCz	23	90
20	Cz	0	0
21	Pz	45	-90
22	Oz	90	-90
23	FT9	-113	-18
24	FT10	113	18
25	M1	-121	18
26	M2	121	18
27	E1 (F9')	-121	-30
28	E2 (F10')	121	30
29	EMG1	-	-
30	EMG2	-	-
31	EMG3	-	-
32	ECG	-	-
Gnd	Afz	67	90

Channel-number	Name	Theta	Phi
33	AF3	-74	-68
34	AF4	74	68
35	F1	-49	-68
36	F2	49	68
37	F5	-74	-41
38	F6	74	41
39	FC1	-31	-46
40	FC2	31	46
41	FC3	-49	-29
42	FC4	49	29
43	FC5	-69	-21
44	FC6	69	21
45	FT7	-90	-18
46	FT8	90	18
47	C1	-23	0
48	C2	23	0
49	C5	-68	0
50	C6	68	0
51	CP1	-31	46
52	CP2	31	-46
53	CP3	-49	29
54	CP4	49	-29
55	CP5	-69	21
56	CP6	69	-21
57	TP7	-90	18
58	TP8	90	-18
59	P1	-49	68
60	P2	49	-68
61	P5	-74	41
62	P6	74	-41
63	PO3	-74	68
64	PO4	74	-68
	AF7	-90	-54
	AF8 (E2')	90	54
	PO7	-90	54
	PO8	90	-54
	CPz	22	-90
	POz	67	-90

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

The signs follow this convention:

