

HEADlab cabling

Example configurations

HEADlab cabling - example configurations

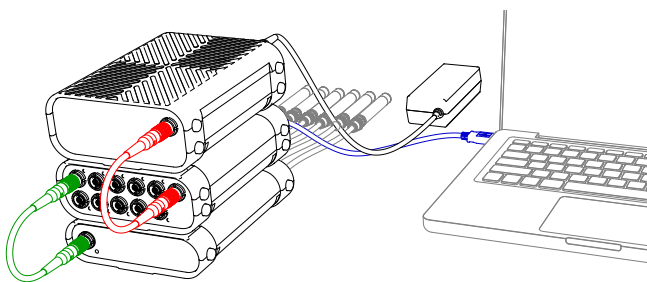
For cabling the example configurations shown here, the following cables are needed:

CLL X.xx	Code 3780-xx	Cable HEADlink
CLL XI.xx	Code 3781-xx	Cable power supply
CXX III.xx	Code 5179-xx	Cable power supply
CUSB II.xx	Code 5478-xx	Cable USB (USB type A to USB type B)
CUSB IV.1	Code 5476-1	Cable USB (USB type A to USB type C with screw lock)
CLAN I.xx	Code 9864-xx	Rugged CAT6a network cable for use in harsh environmental conditions
CAT5	-	CAT5 standard network cable

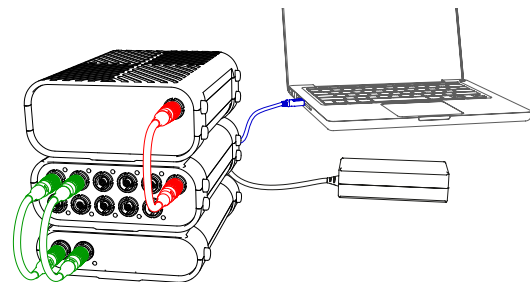
In order to ensure secure measurements, the length of the HEADlink cables should be kept as short as possible.

For more information about further cables available, please see the data sheet HEADlab overview

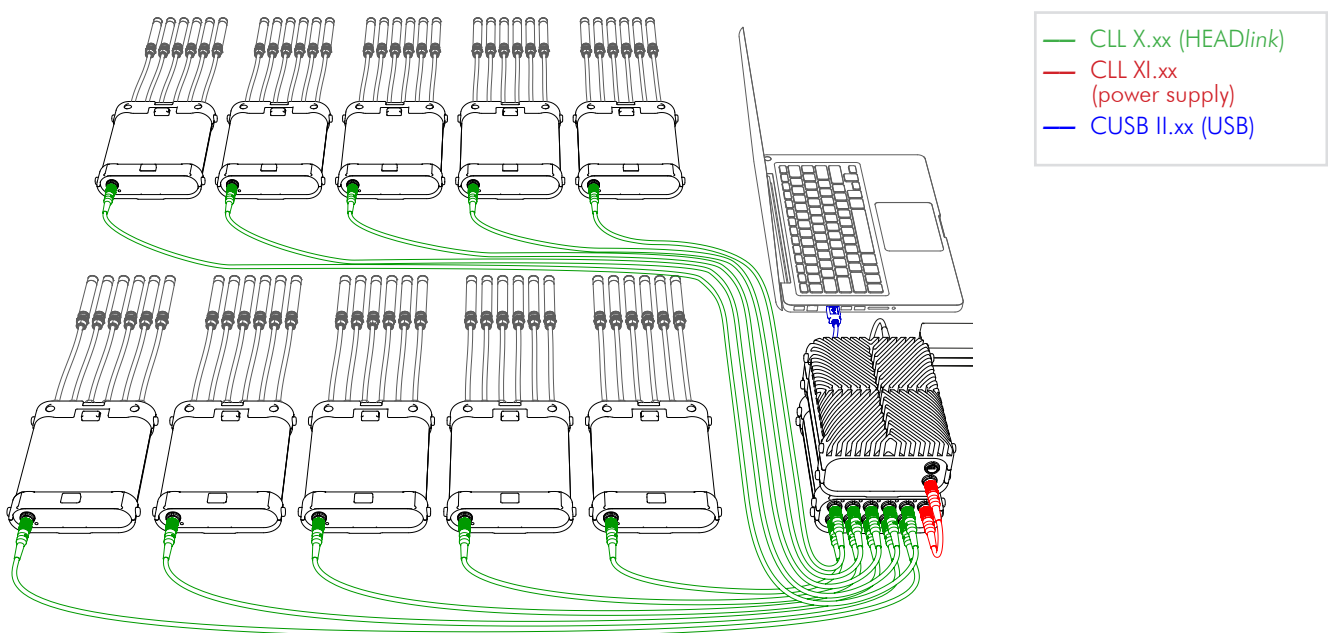
HEADlab systems with one controller



Connecting a system with 6 channels
 (1 x CLL X.xx, 1 x CLL XI.xx, 1 x CUSB II.xx, 1 x labCTRL I.2,
 1 x labPWR I.1, 1 x labVF6, 1 x power supply, 1 x notebook)

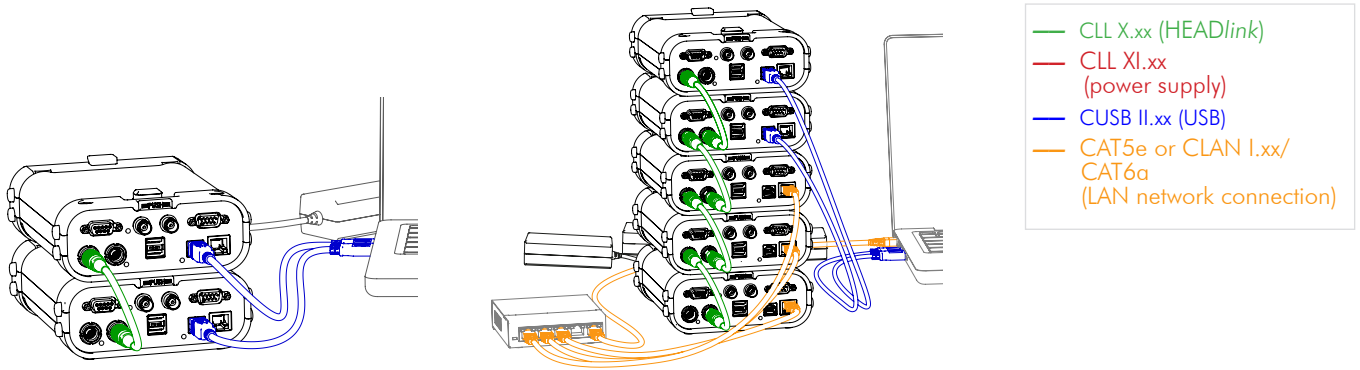


Connecting a system with 6 Dual-Link channels
 (2 x CLL X.xx, 1 x CLL XI.xx, 1 x CUSB II.xx, 1 x labCTRL I.2,
 1 x labPWR I.1, 1 x labVF12, 1 x power supply, 1 x notebook)



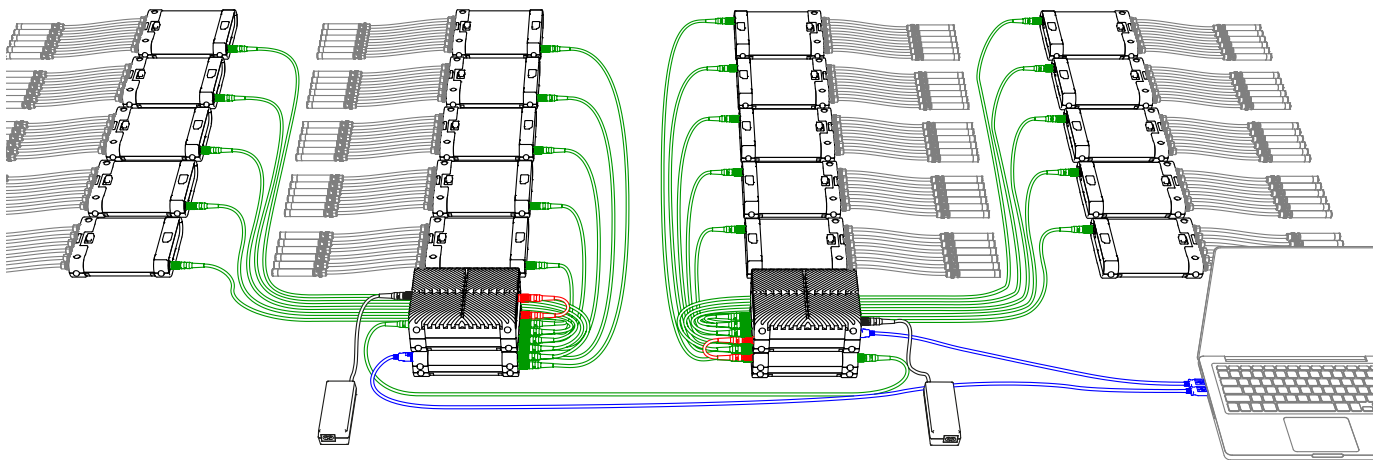
Connecting a system with 60 channels
 (10 x CLL X.xx, 1 x CLL XI.xx, 1 x CUSB II.xx, 1 x labCTRL I.2, 1 x labPWR I.2, 10 x labVF6, 1 x power supply, 1 x notebook)

Larger HEADlab systems with several controllers



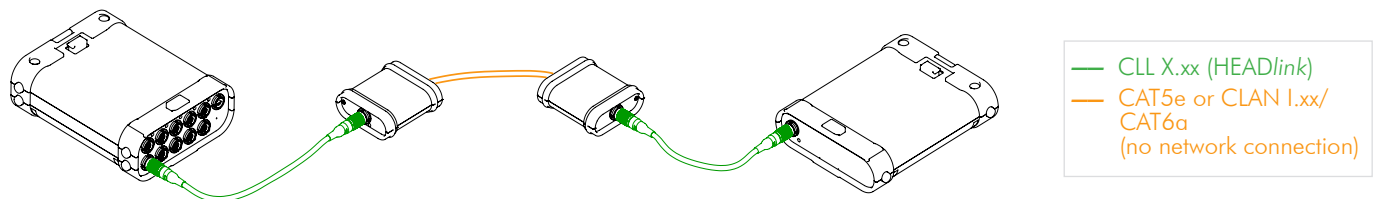
Connecting 2 controllers
 (1 x CLL X.xx, 2 x CUSB II.xx, 2 x labCTRL I.2,
 2 x power supply, 1 x notebook)

Connecting 5 controllers
 (4 x CLL X.xx, 2 x CUSB II.xx, 4 x CAT5 or CLAN I.xx/CAT6a, 1 x LAN switch, 5 x labCTRL I.2,
 5 x power supply, 1 x notebook)



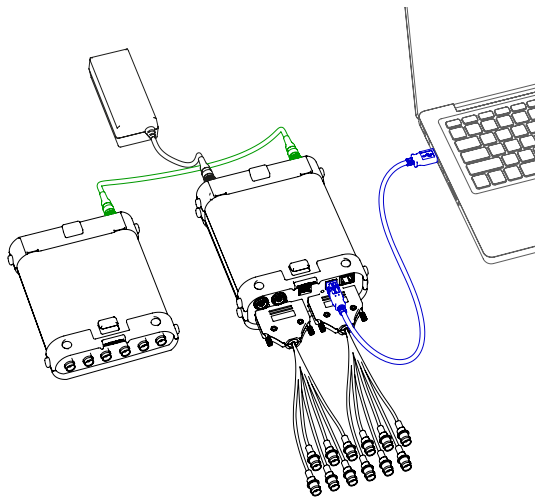
Connecting a system with 120 channels
 (21 x CLL X.xx, 2 x CLL XI.xx, 2 x CUSB II.xx, 2 x labCTRL I.2, 2 x labPWR I.2, 10 x labVF6, 2 x power supply, 1 x notebook)

HEADlink to CAT (e.g., for leading the connection through a car door):

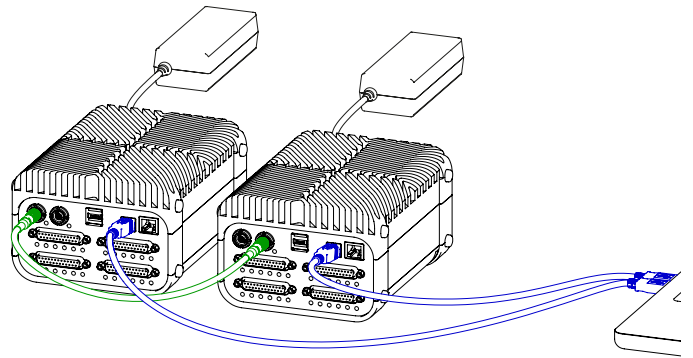


Connecting 1 controller to 1 input module
 (2 x CLL X.xx, 1 x CAT5 or CLAN I.xx/CAT6a, 1 x labCTRL I.2, 2 x labRFC, 1 x labVF6, 1 x power supply, 1 x notebook)

Compact systems (*labCOMPACT12* / *labCOMPACT24*)



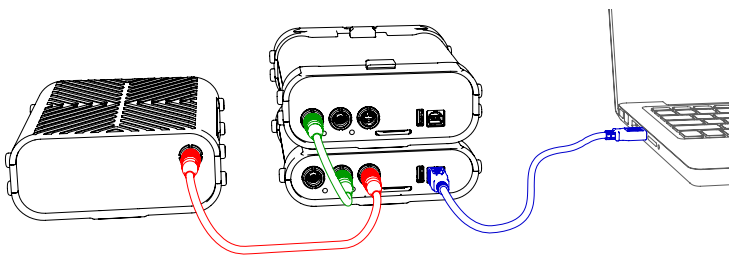
— CLL X.xx (HEADlink)
— CUSB II.xx (USB)



Connecting 1 compact module with 1 input module
(1 x CLL X.xx, 1 x CUSB II.xx, 1 x *labCOMPACT12*, 1 x *labVF6*,
2 x adapter CDB II.1, 1 x power supply, 1 x notebook)

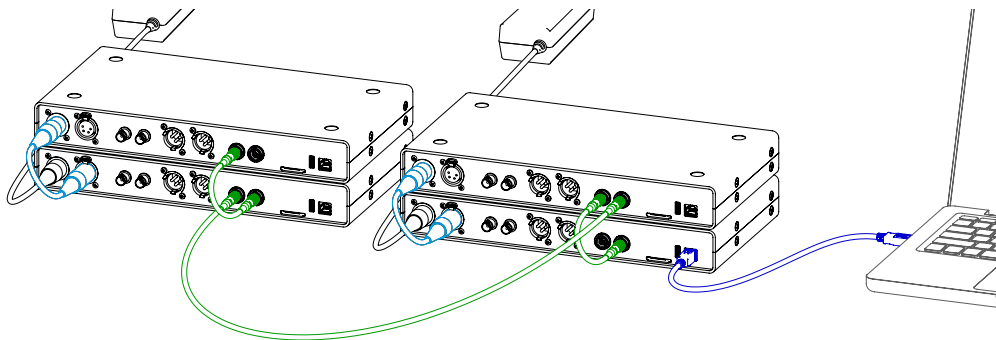
Connecting 2 compact modules
(1 x CLL X.xx, 2 x CUSB II.xx, 2 x *labCOMPACT24*, 2 x power supply,
1 x notebook)

Playback systems (*labO2* / *labP2* / *labO2-V1* / *labP2-V1*)



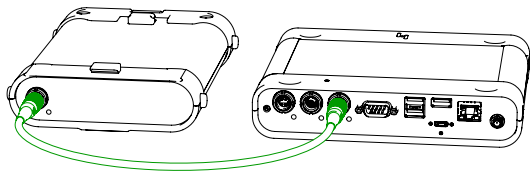
Connecting 2 playback modules
(1 x CLL X.xx, 1 x CLL XI.xx, 1 x CUSB II.xx, 1 x *labO2*, 1 x *labP2*, 1 x *labPWR* I.1, 1 x notebook)

— CLL X.xx (HEADlink)
— CLL XI.xx
(power supply)
— CUSB II.xx (USB)
— CXX III.xx
(power supply)



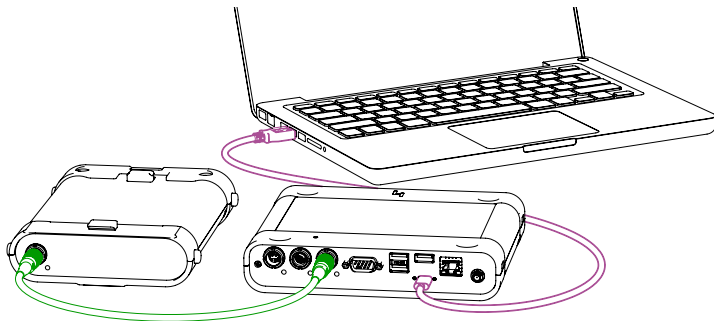
Connecting 4 playback modules
(3 x CLL X.xx, 1 x CUSB II.xx, 2 x CXX III.xx, 4 x *labO2-V1*, 2 x power supply, 1 x notebook)

SQuadriga III



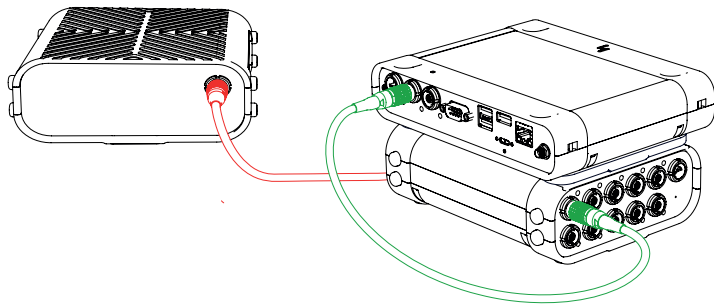
— CLL X.xx (HEADlink)

Connecting 1 input module to SQadriga III (SQadriga III in stand-alone mode)
(1 x CLL X.xx, 1 x *labM6* - as of version B, rev. 2, 1 x SQadriga III)



— CLL X.xx (HEADlink)
— CUSB IV.xx (USB)

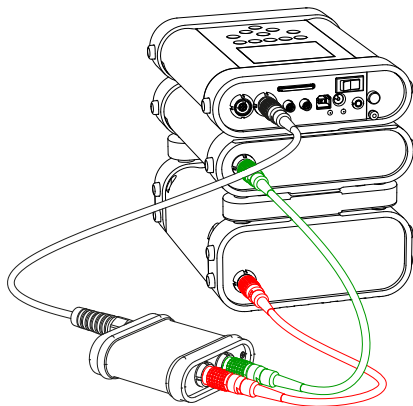
Connecting 1 input module to SQadriga III (SQadriga III in front-end mode)
(1 x CLL X.xx, 1 x CLL XI.xx, CUSB IV.1, 1 x *labM6* - as of version B, rev. 2, 1 x SQadriga III, 1 x notebook)



— CLL X.xx (HEADlink)
— CLL XI.xx
(power supply)

Connecting 1 controller to SQadriga III
(1 x CLL X.xx, 1 x CLL XI.xx, *labCTRL* I.2, 1 x SQadriga III, 1 x *labPWR* I.1, 1 x mounting adapter *labMA-p*)

SQuadriga II



— CLL X.xx (HEADlink)
— CLL XI.xx
(power supply)

Connecting 1 input module (only *labV6/labVF6* or *labM6*) to SQadriga II
(1 x CLL X.xx, 1 x CLL XI.xx, 1 x *labPWR* I.1, 1 x *labVF6*, 1 x CLD VII.6,
1 x SQadriga II)

Overview cable lengths

CLL X.xx (Code 3780-xx)

Cable HEADlink (cable length: 60 m / 196.8')

Cable length	Product name	Product code
17 cm (6.7")	CLL X.0.17	3780-0.17
26 cm (10.2")	CLL X.0.26	3780-0.26
36 cm (14.2")	CLL X.0.36	3780-0.36
50 cm (19.7")	CLL X.0.5	3780-0.5
1 m (39.4")	CLL X.1	3780-1
1.5 m (59")	CLL X.1.5	3780-1.5
2.5 m (98.4")	CLL X.2.5	3780-2.5
5 m (196.9")	CLL X.5	3780-5
10 m (32.8')	CLL X.10	3780-10
20 m (65.6')	CLL X.20	3780-20
30 m (98.4')	CLL X.30	3780-30
40 m (131.2')	CLL X.40	3780-40
50 m (164')	CLL X.50	3780-50
60 m (196.7')	CLL X.60	3780-60

CLAN I.xx (Code 9864-xx)

Network cable CAT6a

(max. cable length: 85 m / 278')

Cable length	Product name	Product code
on demand	CLAN I.xx	9864-xx

CAT5e

Network cable CAT5e

(max. cable length: 100 m / 328')

Cable length	Product name	Product code
5 m (196.9")	-	-

CLL XI.xx (Code 3781-xx)

Cable power supply (max. cable length: 20 m / 65.6')

Cable length	Product name	Product code
19 cm (7.5")	CLL XI.0.19	3781-0.19
42 cm (16.5")	CLL XI.0.42	3781-0.42
1 m (39.4")	CLL XI.1	3781-1
5 m (196.9")	CLL XI.5	3781-5
10 m (32.8')	CLL XI.10	3781-10

CXX III.xx (Code 5179-xx)

Cable power supply (max. cable length: 50 m / 164')

Cable length	Product name	Product code
30 cm (11.8")	CXX III.0.3	5179-0.3
2.5 m (98.4")	CXX III.2.5	5179-2.5
20 m (65.6')	CXX III.20	5179-20

CUSB II.xx (Code 5478-xx)

Cable USB - USB type A to USB type B

(max. cable length: 5 m / 196.9")

Cable length	Product name	Product code
50 cm (19.7")	CUSB II.1.5	5478-0.5
1,5 m (59")	CUSB II.0.5	5478-1.5
3 m (118")	CUSB II.3	5478-3

CUSB IV.1 (Code 5476.1)

Cable USB - USB type A to USB type C with screw lock (max. cable length: 1 m / 39.4")

Cable length	Product name	Product code
1 m (39.4")	CUSB IV.1	5476-1

labRFC (Code 3789)

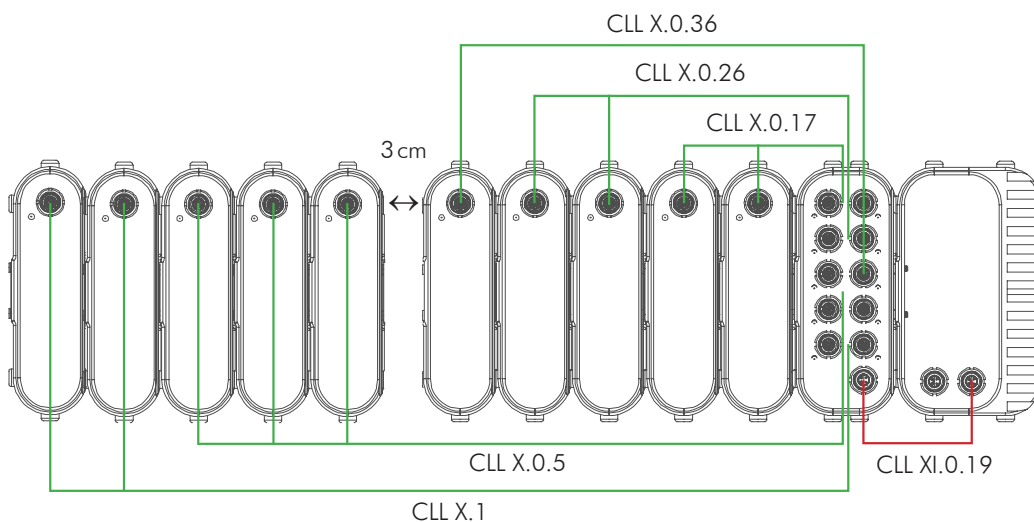
Active adapter

Max. cable length CLL X.xx ↔ labRFC ↔ CAT5 ↔ labRFC ↔ CLL X.xx:

Controller ↔ Input module: 60 m (196.7')

Controller ↔ Controller: 180 m (590')

Example cable lengths: HEAD/lab system



- 1 x labCTRL I.2
- 1 x labPWR I.2
- 10 x labV6
- 2 x CLL X.0.17
- 2 x CLL X.0.26
- 1 x CLL X.0.36
- 3 x CLL X.0.5
- 2 x CLL X.1
- 1 x CLL XI.0.19