

Headstage Signal Converter

For tethered recording with HDMI-compatible 32-channel headstages & the HH128np

Overview

The Headstage Signal Converter (HSC) is an active processing component that enables tethered streaming from HDMI-compatible 32-channel headstages & the HH128np. The HSC acts as the processor for a single headstage and is an alternative to the Headstage Combiner Unit (HCU), which supports up to 8 headstages. The HSC connects to the headstage via micro-HDMI and is designed to connect to a commutator (General Purpose Commutator or Through-bore Commutator) via HDMI type A. When using a commutator, the HSC should be connected as follows:



MCU → HDMI A cable → Commutator → HSC → micro-HDMI cable → headstage

NOTE: The Headstage Signal Converter must be used with the provided micro-HDMI cable as it is designed to fit the connector boot of the supplied cable and has been optimized for this cable length.

LED indications

- **Initialization** - Both yellow and red LEDs blink simultaneously twice.
- **No headstage detected** - Solid red LED.

When connected properly with a recognized headstage, no LED indications will occur following the initialization blinks.

Specifications

Supported Channel Count	32 -128 channels (single headstage)
Supported Headstages	UH32 , Minilogger 32 , 32-channel Mini-mouse , HH128np
Connection to Headstage	HDMI D (micro)
Connection to Commutator/MCU	HDMI A