

ADPT-HS18-DUAL-DRS



ADPT-HS18-DUAL-DRS

The ADPT-HS18-DUAL-DRS is used to connect two standard HS-16s or two HS-18s to a single DRS Board in a Neuralynx Digital Lynx Data Acquisition System.

DRS Connection

The ADPT-HS18-DUAL-DRS connects directly to a DRS Board MDR-50 Connection. This uses the standard MDR-50 Pin Layout.

HS-16/HS-18 Connections

There are two HS-16/HS/18 connections on the ADPT-HS18-DUAL-DRS. They are labeled JIN1 and JIN2. Their pin layouts are shown in the next column. Each headstage has its own set of references.

Stimulus Line Jumpers

Two 2x4 Jumpers Locations, labeled Y1 and Y2, are provided on the ADPT-HS-DUAL-DRS for configuring which Stimulus Lines connect to each connector. Y1 configures JIN1 and Y2 configures JIN2. Each Jumper has four labels corresponding to each Stimulus Source and Return Line. The ADPT-HS-DUAL-DRS is shipped with all jumpers installed, meaning the Stimulus Lines are common between JIN1 and JIN2.

Animal Ground Jumper

A 1x3 Jumper Location, labeled Y3, is provided for configuring Animal Ground for JIN2. If the jumper is in the "GR2 GR" location the Animal Grounds of JIN1 and JIN2 are tied together. If the jumper is in the "REF3 GR2" location Animal Ground of JIN2 is connected to Reference 3 on the Digital Lynx. This should only be used when using HS-16s.

HS-16/HS-18 and Digital Lynx

For more information on the HS-16, HS-18, and Digital Lynx please refer to their Users Manuals on the Neuralynx website.

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JIN1 Pin Layout

Stim 2 Return
Stim 2 Source
AD Channel 11
AD Channel 9
AD Channel 9
AD Channel 8
AD Channel 8
AD Channel 6
AD Channel 6
AD Channel 6
AD Channel 5
AD Channel 5
AD Channel 2
AD Channel 3
AD Channel 3
AD Channel 3
AD Channel 2
AD Channel 1
AD Channel 1



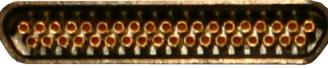
Panel Ground

Animal Ground
+V HS
-V HS
AD Channel 15
AD Channel 14
AD Channel 13
AD Channel 13
Reference 1
-V HS

JIN2 Pin Layout

Stim 2 Return
Stim 2 Source
AD Channel 27
AD Channel 25
AD Channel 25
AD Channel 24
AD Channel 23
AD Channel 23
AD Channel 22
AD Channel 22
AD Channel 21
AD Channel 21
Stim 1 Return
Stim 1 Source

Stim 1 Return Stim 1 Source Reference 4 AD Channel 19 AD Channel 18 AD Channel 17 AD Channel 16 +V HS



Panel Ground

Animal Ground
+V HS
-V HS
AD Channel 31
AD Channel 30
AD Channel 29
AD Channel 29
AD Channel 28
Reference 3
-V HS

Technical Specifications:

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Size (LxWxH)	51mm x 77mm x 10mm
Weight	42g
Signals	36 Signals Passed Through1 Ground Passed ThroughBoth Stimulus Pairs Passed Through
Connections	Input: (2) HS-18 µDB37 Connectors Output: Standard MDR-50 Connection