



**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.

**JIN1 Pin Layout**

- Stim 2 Return
- Stim 2 Source
- AD Channel 11
- AD Channel 10
- AD Channel 9
- AD Channel 8
- AD Channel 7
- AD Channel 6
- AD Channel 5
- AD Channel 4
- Stim 1 Return
- Stim 1 Source
- Reference 2
- AD Channel 3
- AD Channel 2
- AD Channel 1
- AD Channel 0
- +V HS



- Panel Ground
- Animal Ground
- +V HS
- V HS
- AD Channel 15
- AD Channel 14
- AD Channel 13
- AD Channel 12
- Reference 1
- V HS

**JIN2 Pin Layout**

- Stim 2 Return
- Stim 2 Source
- AD Channel 27
- AD Channel 26
- AD Channel 25
- AD Channel 24
- AD Channel 23
- AD Channel 22
- AD Channel 21
- AD Channel 20
- 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 28
- Reference 3
- V HS

**Technical Specifications:**

<b>Size (LxWxH)</b>	51mm x 77mm x 10mm
<b>Weight</b>	42g
<b>Signals</b>	<ul style="list-style-type: none"> <li>• 36 Signals Passed Through</li> <li>• 1 Ground Passed Through</li> <li>• Both Stimulus Pairs Passed Through</li> </ul>
<b>Connections</b>	Input: (2) HS-18 $\mu$ DB37 Connectors Output: Standard MDR-50 Connection