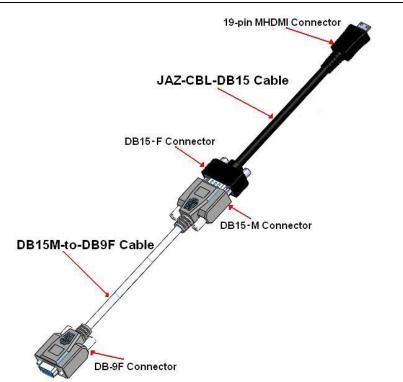# MHDMI to RS-232 Kit Instructions

Overview

The MHDMI to RS-232 kit (ADP-MHDMI-RS232) contains the following cables:

- *JAZ-CBL-DB15 Accessory Cable*
- *DB15M-to-DB9F Serial Port Cable*

These cables allow an Ocean Optics device with an MHDMI connector (such as STS and Jaz) to interface to an accessory device's RS-232 connection. For more information on RS-232 communication with these devices, see the following documents on Ocean Optics' Technical Documents page (**http://oceanoptics.com/support/technical-documents/**):

- STS Data Sheet
- Jaz Data Sheet

JAZ-CBL-DB15 Accessory Cable

The Ocean Optics JAZ-CBL-DB15 is an accessory cable for the MHDMI connector on the STS and Jaz Spectrometers. This 12-inch cable connects the 19-pin mini-HDMI accessory connector on the STS Spectrometer or the Jaz DPU GPIO (or the JAZ-ADP-GPIO Adapter) and terminates in a DB15 connector. For more information on the JAZ-ADP-GPIO Adapter, see the JAZ-ADP-GPIO Adapter and JAZ-ADP-GPIO Adapter and -CBL-DB15 Accessory Cable Instructions on Ocean Optics' Technical Documents page (**http://oceanoptics.com/support/technical-documents/**).
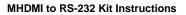

JAZ-CBL-DB15 Cable

Connecting the JAZ-CBL-DB15 Cable

► *Procedure*

1. Connect the accessory cable to the 19-pin mini-HDMI connector on the Jaz DPU module or the STS Spectrometer.
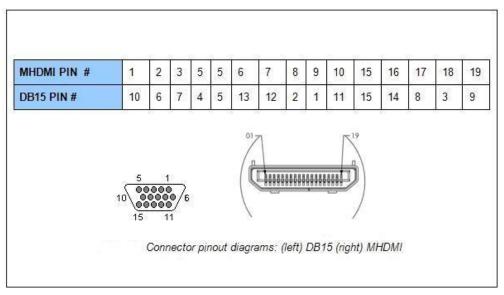
2. Connect the other end of the cable (with the DB-15F connector) to the DB15M-to-DB9F cable or to the accessory being used.

DB-15F Connector

JAZ-CBL-DB15 Cable Pinouts

MHDMI PIN #	1	2	3	5	5	6	7	8	9	10	15	16	17	18	19
DB15 PIN #	10	6	7	4	5	13	12	2	1	11	15	14	8	3	9

Connector pinout diagrams: (left) DB15 (right) MHDMI

JAZ-CBL-DB15 Cable Specifications

Specification	Value
Cable length	305 mm (12 inches)
Internal conductors	15 x 26 AWG stranded copper Rating: 30 Volts
Jacketing	PVC, black Rating: 300 Volts, VW-1
Connectors	Molded, latching 19-pin MHDMI Molded, superthin SVGA HD15, female
DB15 Mounting	2 x 4-40 thumbscrews 2 x 4-40 hex standoffs

DB15M-to-DB9F Serial Port Cable

The DB15M-to-DB9F 12-inch cable connects from the JAZ-CBL-DB15 to the serial port of an accessory device to enable RS-232 communication.

DB15M-to-DB9F Serial Port Cable

DB15M-to-DB9F Cable Pinouts

DB-15M Pin#	DB-9F Pin#
10	5
6	3
7	2