How can I verify that the DJControl AIR+ is working correctly as a MIDI controller?

Although it is possible to test the **DJControl AIR+** from within most applications that can use MIDI controller, we'll use a MIDI test program available from the following website:

MIDI Monitor

http://obds.free.fr/midimon/

NOTE: When used under Windows 8/7/Vista, be sure to <u>run the software as</u> <u>Administrator</u>.

Before moving forward, apply the following changes in the DJ Control panel:

- Under MAIN, set Enable Proximity Sensor to Off
- Set the MIDI Resolution to 7-bit



The first thing to do upon launching **MIDI Monitor** is to configure it so the **DJControl AIR+** is used:

- From the Left column, click SETUP

- Using the drop down menu for **MIDI In Device** and **MIDI Out Device** select **Hercules DJControl AIR+**.

Setup	Setup					
Data Monitor						
Sysex Monitor			Midi 170			
Clear	Open Midi In Device DJControl AIR+	-	Thru As Input	→ DJ	Midi Out Device	Open

By default, the **MIDI In Device** should be **Open**. This is necessary for the software to be able to read the incoming data from the controller.

Once done. Click on **Data Monitor**, which will bring you to the test page.

Start by pressing a button on the DJControl. Under column **Data2**, you will notice a value of **127** (when pressing the button) and **0** (when releasing the button). This is also displayed under **Event History**.

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Setup					Channel
Data Monitor	Concession and an other states of the second states				00000000
	Hexadecimal				H00
Sysex Monitor	Decimal	176	6		.0
Clear	Explicit	Control Change	Data Entry MSB	0	Channel 1
	Event Value				
			Events History		
Record Sysex	80 06 7F			M127	Channel 1
	B0 06 00	Control Chang	e Data Entry	MO	Channel 1
	Sysex Monitor Clear	Data Monitor Binary Sysex Monitor Hexadecimal Clear Explicit Record Sysex B0.06.7F	Data Monitor Binary 10110000 Sysex Monitor Hexadecimal HB0 Sysex Monitor Decimal 176 Clear Explicit Control Change Record Sysex B0 06 7F	Data Monitor Binary 10110000 00000110 Data Monitor Hexadecimal HB0 H06 Sysex Monitor Decimal 176 6 Clear Explicit Control Change Data Entry MSB Event Value Events History Record Sysex B0 06 7F Control Change Data Entry	Data Monitor Binary 10110000 00000110 00000000 Sysex Monitor Hexadecimal HB0 H06 H00 Sysex Monitor Decimal 176 6 0 Clear Explicit Control Change Data Entry MSB 0 Record Sysex B0 06 7F Control Change Data Entry M127

Note that buttons like SHIFT and BANK1/2 will also send additional data as they are used to activate alternate modes.

For incremental controls, such as knobs, sliders and pads, you should normally get values **between 0 and 127**, depending on the position of the controller. The **Event Value** should also display the relative position of the control being used according to the value.

Setup	Data Monitor	Status	Data1	Data2	C
Data Monitor	Binary	10110000	00101011	01000001	0
1. 1. 2743 - 1139 - 124	Hexadecimal	HBO	H2B	H41	
Sysex Monitor	Decimal	176	43	65	
Clear	Explicit	Control Change	Expres. LSB	65	0
Ciear	Event Value				
			Events History		
Record Sysex	B0 28 3A	Control Change		58	Cha
	BO 2B 3B	Control Change	Expres. LSB		Chi
Send Sysex	B0 2B 3B B0 2B 3C	Control Change Control Change	Expres. LSE Expres. LSE		Ch Ch
	B0 28 3C	Control Change	Expres. LSE		Ch
- Huron	BO 28 3D	Control Change	Expres. LSB		Cha
 Multi Out 	BO 28 3D	Control Change	Expres. LSE		Cha
	B0 2B 3E B0 2B 3E	Control Change	Expres. LSE		Cha
	B0 2B 3E B0 2B 3F	Control Change	Expres. LSE Expres. LSE		Cha
	B0 2B 3F	Control Change	Expres. LSE		Ch
	B0 2B 40	Control Change	Expres. LSE		Cha
🗌 Midi Data	BO 2B 40	Control Change	Expres. LSB		Cha
	BO 2B 41	Control Change	Expres. LSE	3 65	Cha

This test can also help determine if some of the controls of the DJ Console are not working correctly. For example, if the crossfader is only halfway to his course but already displays its maximum value of 127.