



DMX Test

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*Before contacting Avolites for service enquiry please ensure that you have the product serial number and the Software version.

The latest version of this manual and Console Software can be downloaded from <https://www.avolites.com/software/latest-version>

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For this task you will require a 5 pin Male to Male DMX cable.

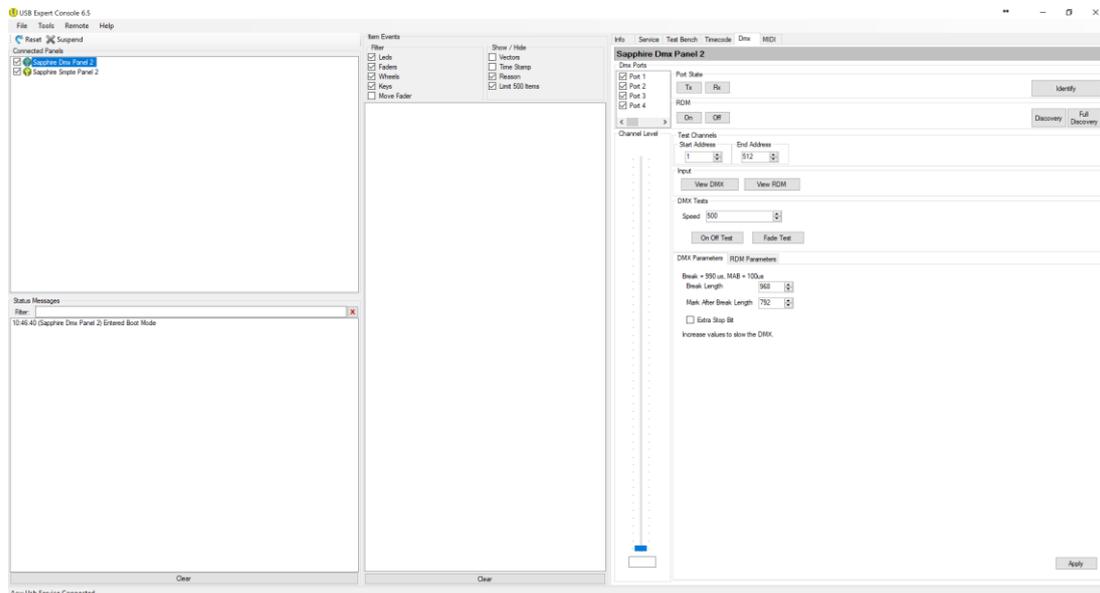


Using the 5 pin cable, link two DMX ports together located on the back of the console.

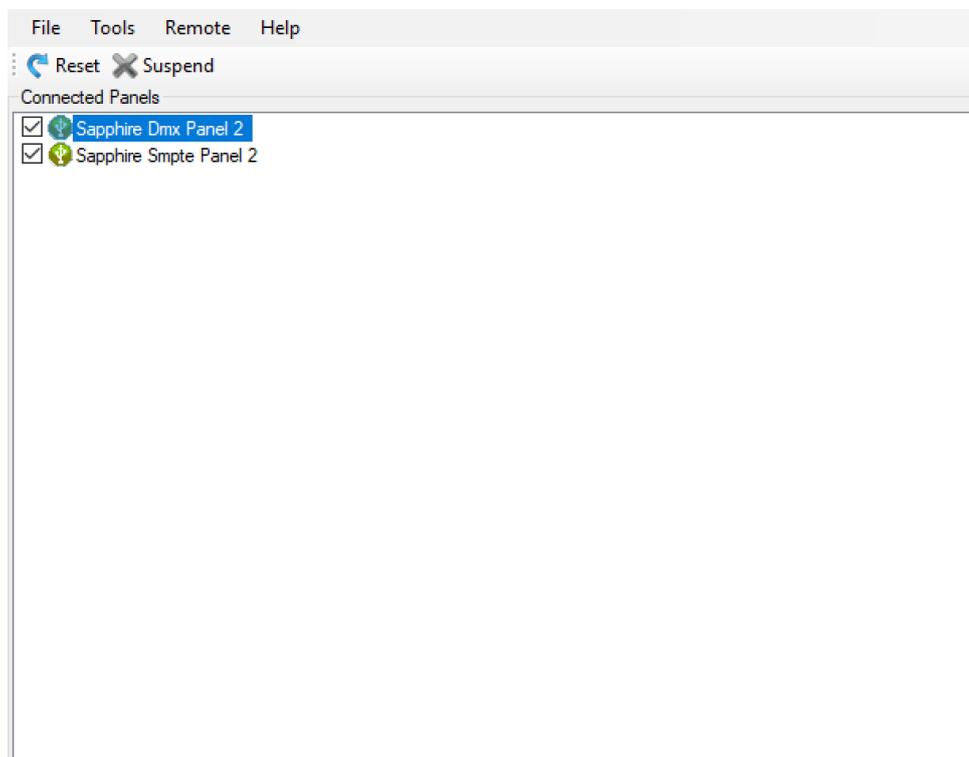


You will then need to shut down Titan using the tools menu in order to test the DMX ports.

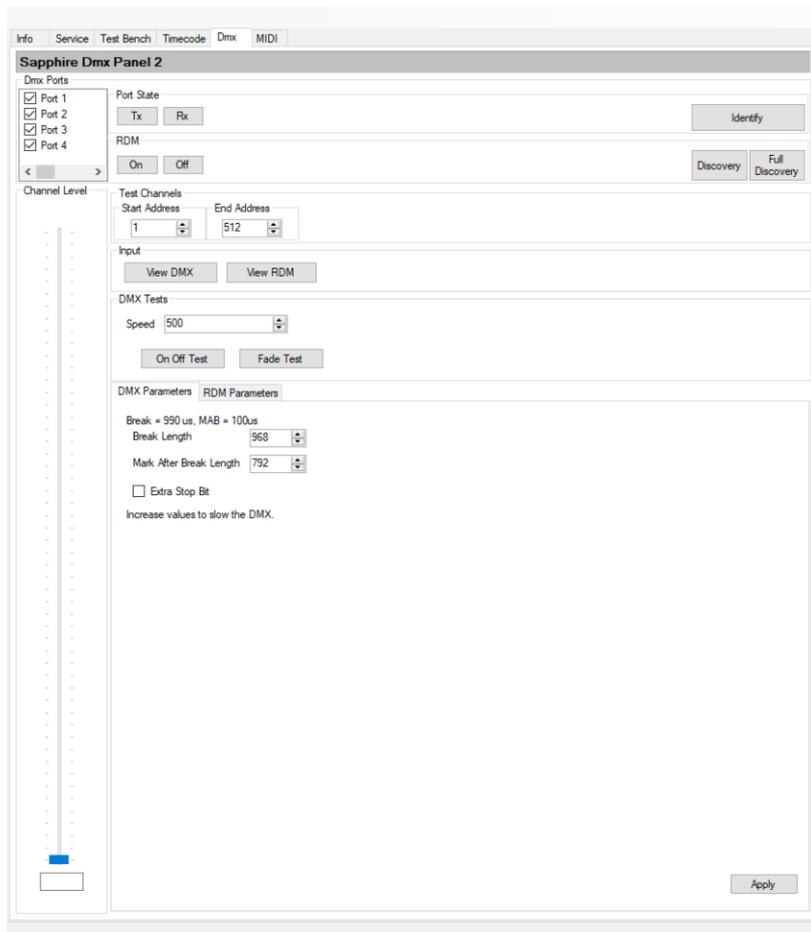
Next, you will need to open the USB Expert Console. This is located in Tools > Control Panel > USB Expert Console.



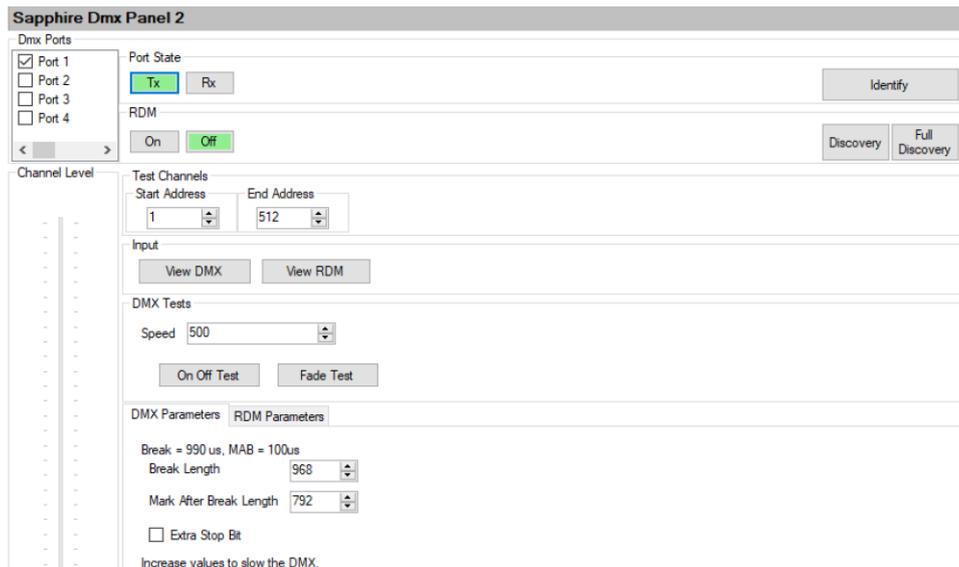
1. Select the DMX Panel.



2. Select the DMX Tab.



3. Select the port that will transmit DMX.



4. Select the port that will receive DMX.

The screenshot shows the 'Sapphire Dmx Panel 2' software interface. On the left, under 'Dmx Ports', Port 2 is selected with a checked checkbox. The 'Port State' section shows 'Tx' and 'Rx' buttons, with 'Rx' highlighted in green. The 'RDM' section shows 'On' and 'Off' buttons, with 'Off' highlighted in green. Below these are 'Discovery' and 'Full Discovery' buttons. The 'Test Channels' section has 'Start Address' set to 1 and 'End Address' set to 512. The 'Input' section has 'View DMX' and 'View RDM' buttons. The 'DMX Tests' section has a 'Speed' dropdown set to 500 and 'On Off Test' and 'Fade Test' buttons. The 'DMX Parameters' section is active, showing 'Break = 990 us, MAB = 100us', 'Break Length' set to 968, and 'Mark After Break Length' set to 792. There is an unchecked 'Extra Stop Bit' checkbox and a note: 'Increase values to slow the DMX.'

5. Select 'View DMX'.

This screenshot is identical to the one above, but the 'View DMX' button in the 'Input' section is highlighted with a red rectangular box. The 'Port State' section now shows 'Tx' highlighted in green and 'Rx' in grey. The 'RDM' section shows 'On' highlighted in green and 'Off' in grey. The 'DMX Parameters' section remains the same as in the previous screenshot.

6. The following window will allow you to view the incoming DMX signal.

Address	ChannelValue	MinValue	MaxValue	Flicker (min,max)	Flicker Reference	FlickerMax	FlickerMin	Jitter
0	0	0	0	-	-1	0	0	0
1	0	0	0	-	-1	0	0	0
2	0	0	0	-	-1	0	0	0
3	0	0	0	-	-1	0	0	0
4	0	0	0	-	-1	0	0	0
5	0	0	0	-	-1	0	0	0
6	0	0	0	-	-1	0	0	0
7	0	0	0	-	-1	0	0	0
8	0	0	0	-	-1	0	0	0
9	0	0	0	-	-1	0	0	0
10	0	0	0	-	-1	0	0	0
11	0	0	0	-	-1	0	0	0
12	0	0	0	-	-1	0	0	0
13	0	0	0	-	-1	0	0	0
14	0	0	0	-	-1	0	0	0
15	0	0	0	-	-1	0	0	0
16	0	0	0	-	-1	0	0	0
17	0	0	0	-	-1	0	0	0
18	0	0	0	-	-1	0	0	0
19	0	0	0	-	-1	0	0	0
20	0	0	0	-	-1	0	0	0
21	0	0	0	-	-1	0	0	0
22	0	0	0	-	-1	0	0	0
23	0	0	0	-	-1	0	0	0
24	0	0	0	-	-1	0	0	0
25	0	0	0	-	-1	0	0	0
26	0	0	0	-	-1	0	0	0
27	0	0	0	-	-1	0	0	0
28	0	0	0	-	-1	0	0	0
29	0	0	0	-	-1	0	0	0
30	0	0	0	-	-1	0	0	0
31	0	0	0	-	-1	0	0	0
32	0	0	0	-	-1	0	0	0
33	0	0	0	-	-1	0	0	0
34	0	0	0	-	-1	0	0	0
35	0	0	0	-	-1	0	0	0
36	0	0	0	-	-1	0	0	0
37	0	0	0	-	-1	0	0	0
38	0	0	0	-	-1	0	0	0
39	0	0	0	-	-1	0	0	0
40	0	0	0	-	-1	0	0	0

7. You can switch between different ports using the port tabs to monitor activity.

Address	ChannelValue	MinValue	MaxValue	Flicker (min,max)	Flicker Reference	FlickerMax	FlickerMin	Jitter
0	0	0	0	-	-1	0	0	0
1	0	0	0	-	-1	0	0	0
2	0	0	0	-	-1	0	0	0
3	0	0	0	-	-1	0	0	0
4	0	0	0	-	-1	0	0	0
5	0	0	0	-	-1	0	0	0
6	0	0	0	-	-1	0	0	0
7	0	0	0	-	-1	0	0	0
8	0	0	0	-	-1	0	0	0
9	0	0	0	-	-1	0	0	0
10	0	0	0	-	-1	0	0	0
11	0	0	0	-	-1	0	0	0
12	0	0	0	-	-1	0	0	0
13	0	0	0	-	-1	0	0	0
14	0	0	0	-	-1	0	0	0
15	0	0	0	-	-1	0	0	0
16	0	0	0	-	-1	0	0	0
17	0	0	0	-	-1	0	0	0
18	0	0	0	-	-1	0	0	0
19	0	0	0	-	-1	0	0	0
20	0	0	0	-	-1	0	0	0
21	0	0	0	-	-1	0	0	0
22	0	0	0	-	-1	0	0	0
23	0	0	0	-	-1	0	0	0
24	0	0	0	-	-1	0	0	0
25	0	0	0	-	-1	0	0	0

8. You will need to use the 'Channel Level' to adjust the transmitted DMX signal.



If you require further assistance, please contact Avolites on the following:

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