INTERFACES USB-DMX
1024 CHANNELS
SUMMARY

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# Hardware Technical Specifications

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<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td>USB 2.0 via Mini USB</td>
</tr>
<tr>
<td><strong>Number of DMX Outputs</strong></td>
<td>Up to 1024 (PC + Stand Alone) on 3 pin XLR (XLR5 optional)</td>
</tr>
<tr>
<td><strong>DMX Speed</strong></td>
<td>1 to 45 Hz, MaB, Bk</td>
</tr>
<tr>
<td><strong>Stand Alone Mode</strong></td>
<td>Yes, 512 channels, fine DMX channels (16 bits)</td>
</tr>
<tr>
<td><strong>Internal Memory</strong></td>
<td>Yes (40 Kb)</td>
</tr>
<tr>
<td><strong>Memory Capacity</strong></td>
<td>2600 steps with 16 ch., 325 steps with 128 ch., 152 steps with 256 ch., 76 steps with 512 ch.</td>
</tr>
<tr>
<td><strong>Infra-red Receiver</strong></td>
<td>Yes, (IR remote control for triggers available in option)</td>
</tr>
<tr>
<td><strong>Infra-red Options</strong></td>
<td>10 scene selection, scene speed, general dimmer and next scene</td>
</tr>
<tr>
<td><strong>Dry Contact Triggers</strong></td>
<td>Yes (4 contacts port)</td>
</tr>
<tr>
<td><strong>Next Scene Trigger Button</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Power Supply Input</strong></td>
<td>5V via USB</td>
</tr>
<tr>
<td><strong>High voltage Protection</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Housing</strong></td>
<td>Strong Aluminum</td>
</tr>
<tr>
<td><strong>Infra-Red remote</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Usb Mode</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Display of signal states</strong></td>
<td>USB LED</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>2 W</td>
</tr>
<tr>
<td><strong>CPU’s technology</strong></td>
<td>32 bits</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>H: 48 mm (1.89 in) / W: 70 mm (2.76 in) / D: 89 mm (3.5 in)</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>0.21 Kgs</td>
</tr>
<tr>
<td><strong>Package total weight</strong></td>
<td>0.3 Kgs</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Blue, Black</td>
</tr>
<tr>
<td><strong>IP rating</strong></td>
<td>IP20</td>
</tr>
<tr>
<td><strong>Place of Use</strong></td>
<td>Indoor</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>Keep in dry place</td>
</tr>
<tr>
<td><strong>Compatibility</strong></td>
<td>8 and 16 bits DMX fixtures</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>- 25 to +70 C°</td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
<td>CE, RoHS, Fcc</td>
</tr>
<tr>
<td><strong>International Warranty</strong></td>
<td>Yes, 3 years</td>
</tr>
</tbody>
</table>

**Software features:**

- **LED Player**: 1024 channels, stand alone
- **Studio DMX 3D viewer**: Club mode, no limitation
- **Pro DMX**: 1024 channels, timeline, multi tab
- **Art-Net Output from PC**: Yes (2 universes)
- **Wi-Light 2016 App**: Yes, can control the LED Player Live Board with a WIFI connection
- **System Compatibility**: Windows, MAC Os X (10.6 and higher) and Linux (64 Bits)
- **Free Software Updates**: Yes

**Package Content:**

1 USB cable + 1 USB to DMX Interface (3 Pin XLR, 5 pins in option)
**FRONT FACE**

- **XLR DMX Signal Connector**
  - Can be configured to Output or Input mode.
  - 3 Pins
    1: Ground
    2: Data -
    3: Data +

**REAR FACE**

- **Green USB Signal LED**
  - **OFF**: Interface not powered (check the USB cable or the power supply).
  - **ON**: Interface powered
  - **Flashing Slow**: USB communication ready. Drivers are installed correctly. The software has detected and is communicating with the interface.
  - **Flashing Fast**: The Stand Alone mode is activated and is playing a scene. (Available with 2012 and subsequent versions)
  - **Flashing very fast**: The interface is waiting for a new firmware from the software

- **Mini USB connector and power connector**
  - 5 DC Volts only; 0.15 - 1 A.

- **Security by padlock cable**

- **Next Button**: Allows to skip to the next scene in stand alone mode
  - (Available on products sold since 2016)

- **IR Receiver LED**
  - Optional feature. Requires an IR remote control unit. (IR receiver LED available from the 2012 product version)
Button 1 to 10 must be assigned to a scene via the software. Each button can trigger a different scene. With the remote control, a scene cannot be stopped directly with the assigned button. To stop it you must press the Stop/Black Out button or trigger another scene.

**Pause button** to freeze the current scene to its actual state.

**Stop/Black Out** button to stop the current scene and play the empty scene number 00. All DMX channels are set down to 00 levels.

**+/− for scene trigger.** Select the next or previous scene automatically. You don't need to hold the button to validate and play a scene. The next or previous scene will play directly after selected.

**+/− for Scene speed.** Increase or decrease the speed of the current scene. A different speed can be chosen separately for each scene.

**+/− for General dimmer.** Increase or decrease the RGB, CMY and dimmer channels of the fixtures. The CMY, RGB, Dimmer channels are defined in the Profile of the fixture.

IR Receptor at the back of the interface
One DMX Output must be turns on into an input in the Options windows. To access this window click on the software menu: Tools > Options. Then click to select the device section as following:

Then it is possible to record a DMX signal with the software options and create a new scene with the data received from the DMX input.

USB-DMX interface Datasheet
Follow those steps to set a DMX-IN trigger on a scene or on a program:

**Step 1:** Go to the scenes list if the editor view.

**Step 2:** Double click the “Key” cell of the scene to be triggered.

**Step 3:** Go to the DMX section of the Key window.
Two DMX-IN trigger options are available: DMX Level and DMX Scale, let’s see what the differences are:

**Option DMX Level**

Choose the input universe and channel

Choose the trigger level witch one if you go over it the scene starts and under it the scene stops.

**Option DMX Scale**

Choose the input universe and channel

Choose the trigger range of levels. Witch one if you go inside it the scene starts and outside it, the scene stops.

With the DMX Scale you can create many triggers presets on a same DMX-IN channel and so starts a suite of scenes on the DMX fader way.
TRIGGERS CONFIGURATION WITH THE SOFTWARE

The Stand Alone mode of the software enables to configure and personalize all the triggers. The information will be directly saved in the DMX interface memory with the memory writing function.

SWITCH TO STAND-ALONE MODE

When the device isn’t connected to the software or has just been powered, it enters in Stand Alone mode after five (5) seconds.

INFRA RED REMOTE TRIGGERS

Standalone mode offers up to 10 triggers with the Infrared remote. By selecting a scene in the list, it’s possible to choose the remote button number (from 01 to 10) to trigger the scene. The other IR remote functions will work as well as the SLIM DMX interface. (Speed, dimmer, scene +, scene -, off).

EXTERNAL CONTACT TRIGGERS

The Stand Alone mode offers up to 15 external possible triggers. By selecting a scene in the list, it’s possible to choose the external contact number (from 01 to 31) to trigger the scene.

By default, the interface gives 5 external contacts (01, 02, 04, 08). To obtain 15 external contacts, you have to use a de-multiplexing interface in order to go from 4 to 15 possible combinations.
The 4 contacts are situated on the printed circuit board. It’s necessary to open the interface for access to it. You can use simply 4 directs contacts for triggered 4 scenes.

You have to create a bridge with interruptor from the 5v Alimentation (TRIG 5V) of the printed circuit board to the « TRIG » that you will use (A,B,C,D).

Dry contact option: On (star scene only)

To extend to 15 triggers you can use the multiplexing to reach to a maximum of 15 binaries combinations as following:

Dry contact reaction time: 5ms (0.005s)
The metric system is used. The unit is mm.

FRONT FACE

REAR FACE
Example of Multiple interface connections

Computer:
- MAC OS X
- Windows
- Linux

HUB USB

Interface: 1024 channels

USB 1 - DMX 1
USB 2 - DMX 2
USB 3 - DMX 3
USB 4 - DMX 4
USB 5 - DMX 5
USB 6 - DMX 6

Interface: 1024 channels

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Interface: 1024 channels

Interface: 1024 channels
STANDARD DMX 1024 INSTALLATION

RECOMMENDED DMX 1024 INSTALLATION

USB-DMX interface Datasheet