Software and Hardware Data-sheet

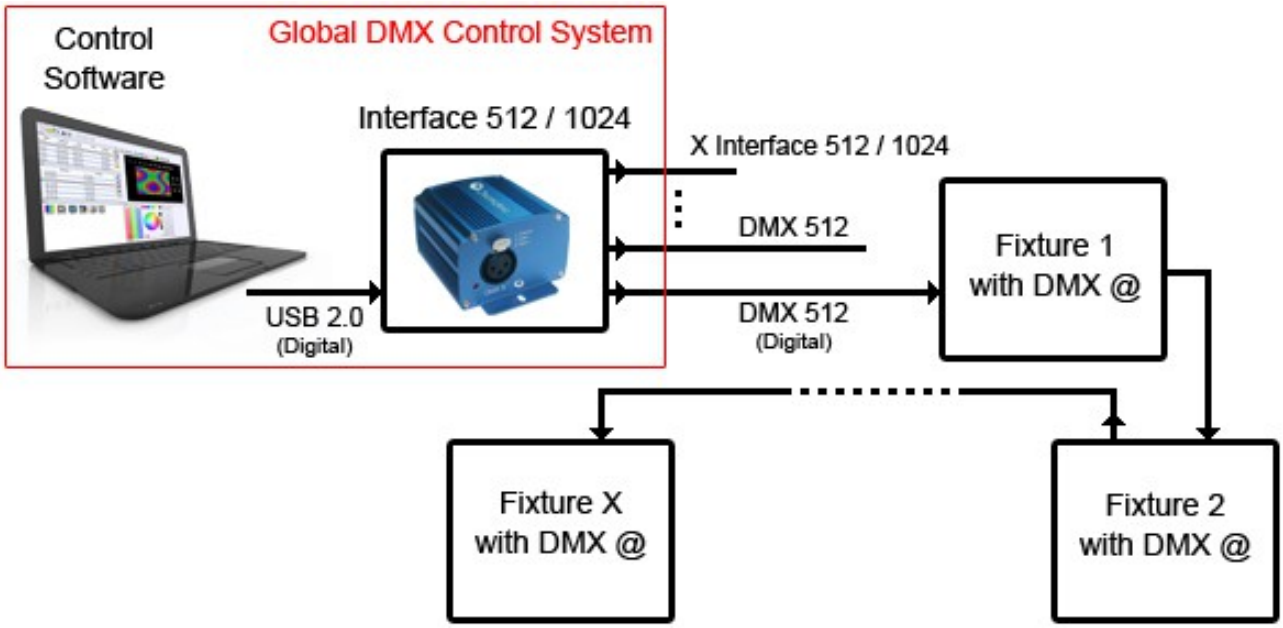
V.1.0.5

Summary:

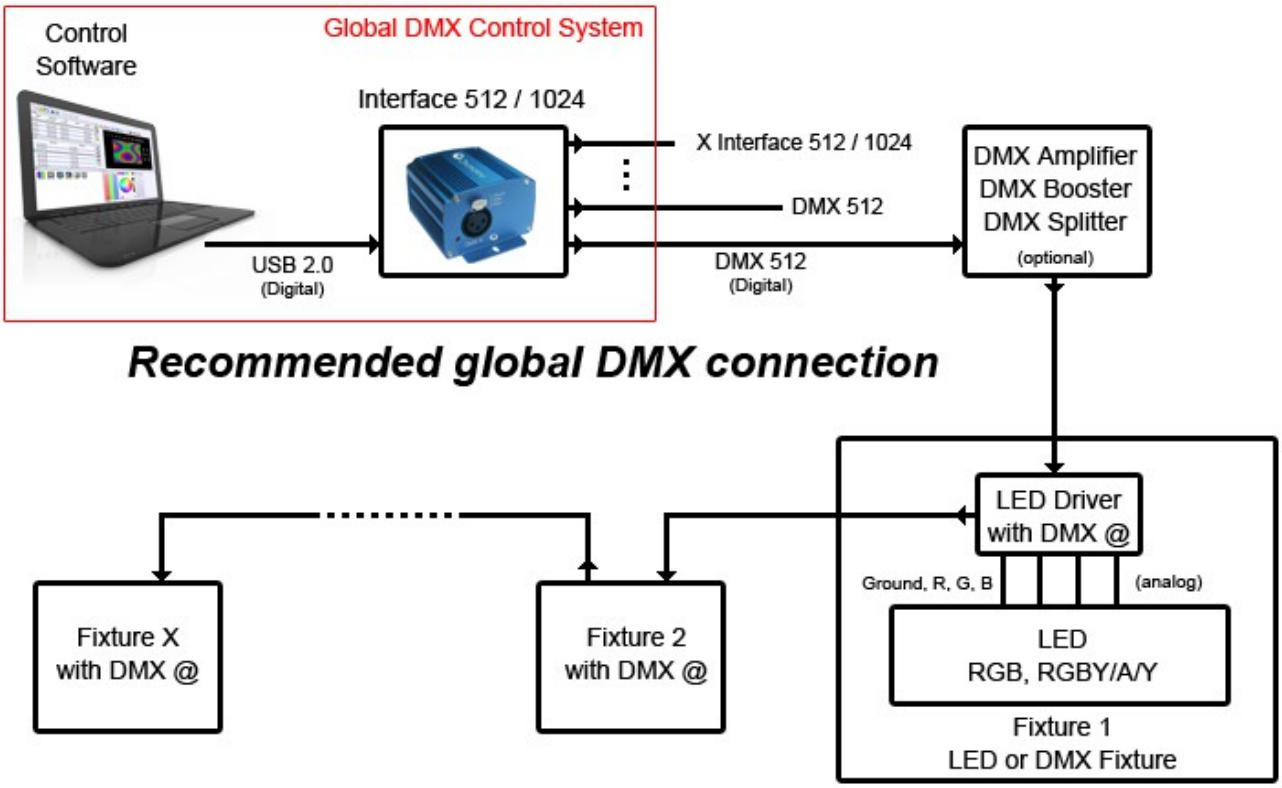
General information

System requirements
Windows
Windows 98, ME, 2000, XP, Vista 32/64, Seven
1 Ghz CPU
512 MB RAM
150 MB free disk space
1 CD Rom drive
1 or more USB 2.0 port
Video 1024 x 768 screen definition or higher
Apple / MAC / Linux
Mac OS X 10.1.3 or greater
1 GHz CPU
512 MB RAM
150 MB free disk space
1 CD Rom drive
1 or more USB 2.0 port
Video 1024 x 768 screen definition or higher

Standard DMX 512 installation



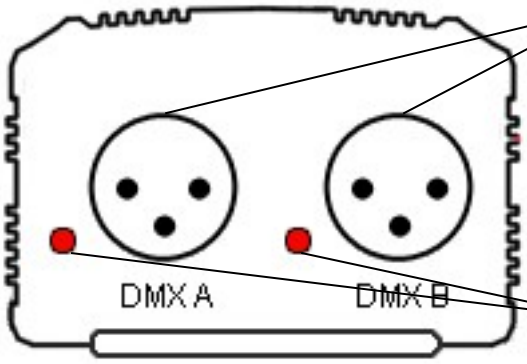
Recommended DMX512 installation



512 and 1024 Channel USB to DMX interfaces

Hardware Technical Specifications	
Input	USB 2.0
Input signal witness	Yes, Green LED
Input connector	Mini USB
Output	DMX 512 or Art-Net
Output signal witness	Yes, Red LED
Output connector	XLR 3 (XLR 5 is optional) 1:Ground, 2:Data+, 3:Data-
DMX Output number	512 or 2x512 (1024)
Speed on DMX	Yes, 1 to 45 Hz, MaB, Bk
Input voltage	5 V. (only by USB)
Input Intensity	150 mA to 900 mA
Power	2W
External power	No (powered by USB)
CPU technology	32 bit
Internal memory	Yes
Stand Alone mode	Yes, 132 channels max
High Voltage protection	Yes (20 000 V)
Dimensions	H: 48 mm (1,89 in) W: 70 mm (2,76 in) D: 89 mm (3,5 in)
Weight	0,16 Kgs (LP512) 0,21 Kgs (LP1024)
Color	Blue
Operating Temperature	-25 to +70 C°
Certifications	CE, RoHS
IP rating	IP20
Place of Use	Indoor
Storage	Keep in a dry place
Warranty	24 months
Compatibility	8 and 16 bit DMX fixtures
System Compatibility	Windows 2000, XP, Vista, Seven, MAC OS X, Linux
CD ROM	Included

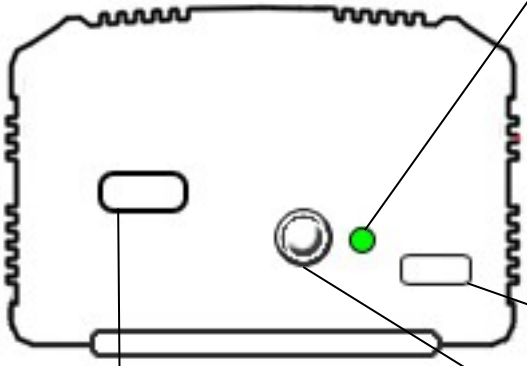
Front Face of the 512 / 1024 channel interfaces



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

Red DMX Signal LED
OFF: No DMX signal to the DMX line
ON: DMX is ON and DMX signal is sent or received
Flashing: DMX Signal Speed is slow

Rear Face of the 512 / 1024 channel interfaces

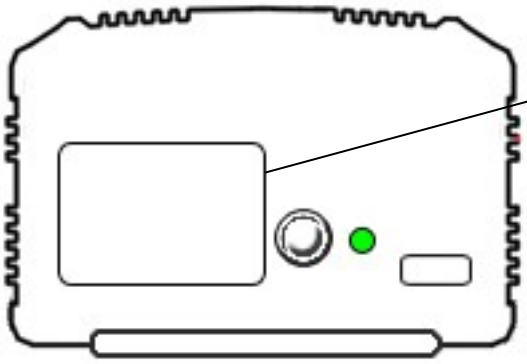


Green USB Signal LED
OFF: Interface not powered (check the USB cable or the power supply).
ON: Interface powered
Flashing Slow: USB communication ready. Drivers are installed correctly. The software has detected and is communicating with the interface.
Flashing Fast: The Stand Alone mode is activated and is Playing a Scene. (Available with 2012 and subsequent versions)

Mini USB connector and power connector
5 DC Volts only ; 0,15-1 A.

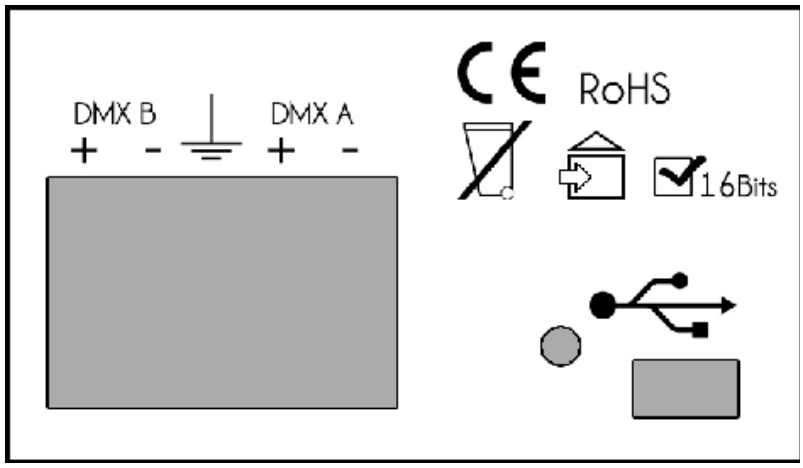
Kensington Hole (512 ch. version)

IR Receiver LED
Optional feature. Requires an IR remote control unit. (IR receiver LED available from the 2012 product version)

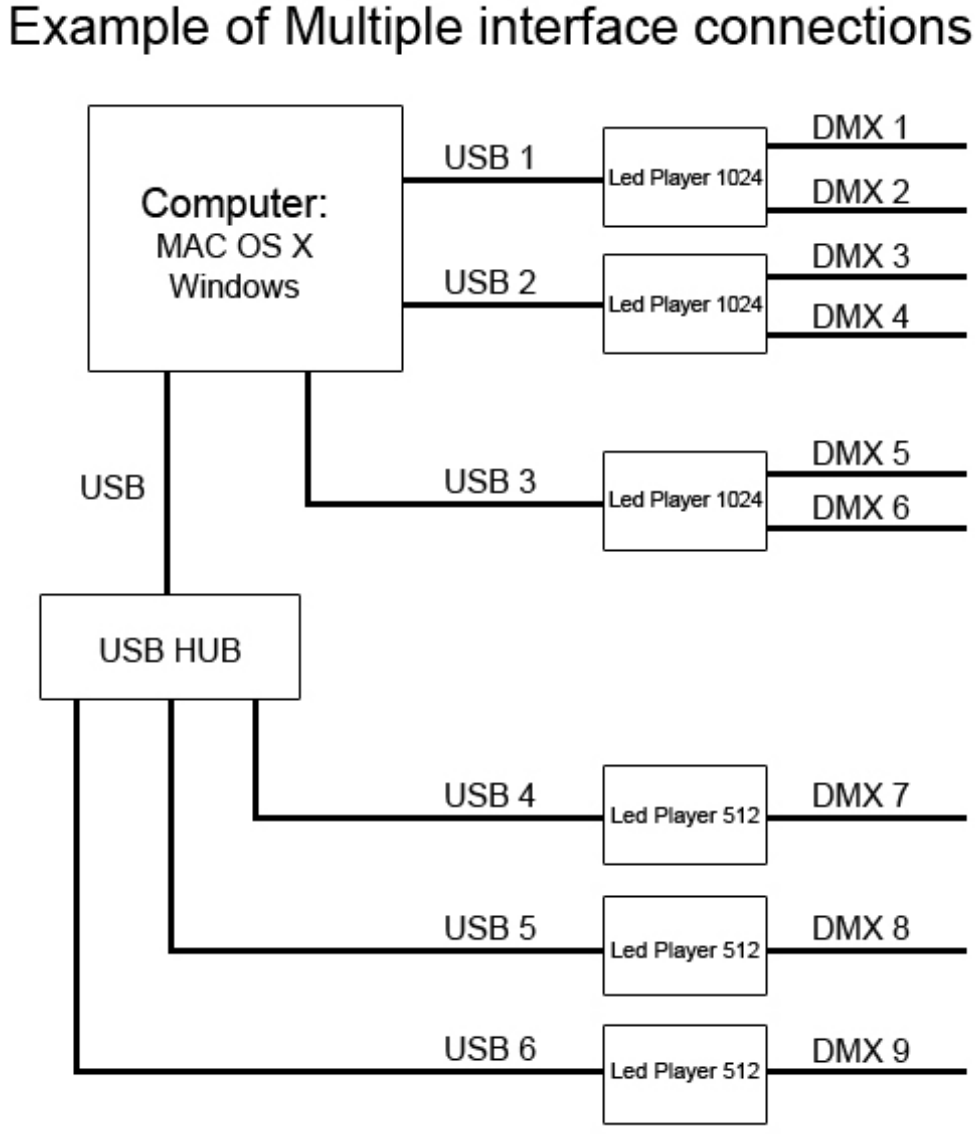


DMX Terminal Block (1024 ch. version)
From Left to Right:
1: DMX B Data +
2: DMX B Data -
3: Ground
4: DMX A Data +
5: DMX A Data -

1024 channels Interface Terminal Block connector



Multiple USB connections



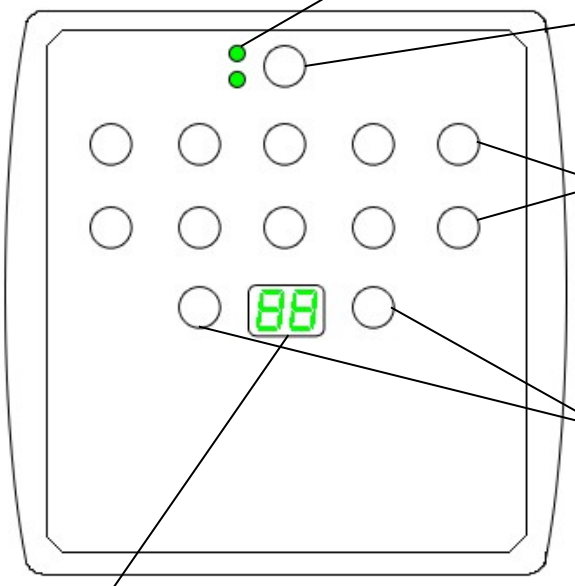
Software compatible functions

Software Technical Specifications	
System Compatibility	Windows 2000, XP, Vista, Seven, MAC OS X, Linux
Art-Net Oputput Signal	Yes
Play several scenes	No
Play several programs	Yes
Multi beam management	Yes
Matrix management	Yes
Preset Management	Yes
Profile Editor	Yes
Stand Alone mode	Yes (Limited to 132 channels)
Time trigger schedule	Yes
Moving Head management	Yes
DMX Patch Manager	Yes
Matrix editor	Yes
Time trigger	Yes
Live Board	Yes
Touch screen able	Yes
DMX switch address resume	Yes
Fade In time for programs	Yes
Color effects	Yes
Pan and Tilt effects	Yes
Matrix Effects	Yes
Media Files management	Yes (jpg, bmp, Gif, png,avi)
Visual Color Rendering	Yes
Firmware update	From the software
Software password	Yes
Languages	English, French, German, Traditional Chinese, Simplified Chinese, Spanish, Japanese, Brazilian
Free update on the internet	Yes

512 and 1024 Channel Stand Alone interfaces

Hardware Technical Specifications	
Input	USB 2.0
Input signal witness	Yes, Green LED
Input connector	Mini USB
Output	DMX 512 or Art-Net
Output signal witness	Yes, Red LED
Output connector	XLR 3 (XLR 5 is optional) 1:Ground, 2:Data+, 3:Data-
DMX Output number	512
Speed on DMX	Yes, 1 to 45 Hz, MaB, Bk
Input voltage	5 V. (by USB)
Input Intensity	450 mA
Power	2W
External power	Yes 5 Volts (by USB)
Power supply	Included
CPU technology	32 bit
Internal memory	Yes
Stand Alone mode	Yes
Internal Memory capacity	2000 steps for 512 channels 100 000 for 16 channels
High Voltage protection	Yes (20 000 V)
Dimensions	H:40 mm (1,57 in) W: 110 mm (4,33 in) D: 120 mm (4,72 in)
Weight	0,16 Kgs (LPSA)
Color	Black
Operating Temperature	-25 to +70 C°
Certifications	CE, RoHS
IP rating	IP20
Place of Use	Indoor
Storage	Keep in a dry place
Warranty	24 months
Compatibility	8 and 16 bit DMX fixtures
System Compatibility	Windows 2000, XP, Vista, Seven, MAC OS X, Linux
CD ROM	Included

Top Face of the 512 / 1024 channel Stand Alone interfaces



Green Mode LED
All OFF: Buttons Trigger mode
1st LED ON: Scene Speed mode
2nd LED ON: General Dimmer mode

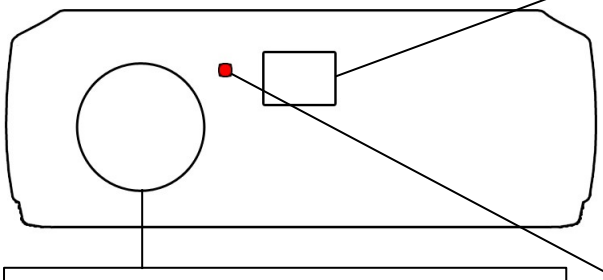
Mode selection button
Press the Buttons to select the Speed, Dimmer or the default Trigger mode.

LED Trigger push Buttons
Push a button to trigger scenes loaded in memory. Push again to stop scenes.

Next/Previous, +/-Scene push buttons
Trigger Mode: Select the Next or Previous Scene number. Hold the button for 2 seconds to confirm and play the new scene. 01 to 99.
Seed Mode: Directly increase or decrease the Speed of the current scene. -9 to +9.
Dimmer Mode: Directly increase or decrease the general intensity (dimmer + RGB). Values from -9 to +9. Default is 00.

Green LED Display
Display numbers of playing scenes and the mode values.
00: Stand Alone mode running. No scene is playing. All DMX channels are set to 0.
PC: The interface is connected to the computer and software controlled.

Front Face of the 512 / 1024 channel Stand Alone interfaces

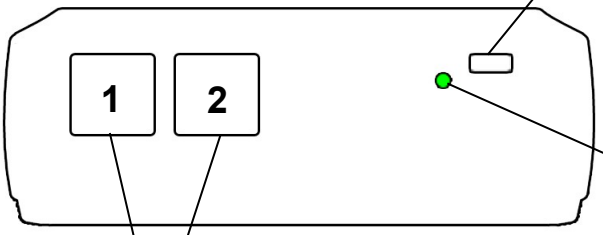


DMX Terminal Block
From Left to Right:
1: DMX A Data -
2: DMX A Data +
3: Ground
4: DMX B Data -
5: DMX B Data +

Red DMX Signal LED
OFF: No DMX signal to the DMX line
ON: DMX is ON and DMX signal is sent or received
Flashing: DMX Signal Speed is slow

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

Rear Face of the 512 / 1024 channel Stand Alone interfaces

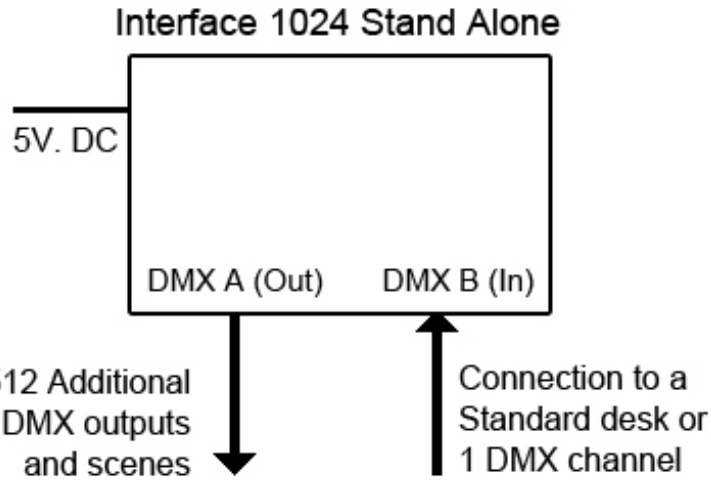


Mini USB connector and power connector
5 DC Volts only ; 0,15-1 A.

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 it is communicating with the interface.

RJ45 connector for external communication and triggers
Pin numbers run from right to left.
Pin assignment for interfaces:
RJ45 1: Master/Slave + IR signal receiver (optional). Pin numbers run front right to left.
1 : Master/Slave
2 : Master/Slave
3 : Ground
4 : IR Signal from the external IR LED receiver
5, 6 : None
7 : 5 Volts
8 : Ground
RJ45 2: Master/Slave + External Contact Closures. Pin numbers run front right to left.
1 : Master/Slave
2 : Master/Slave
3 : Ground
4 : 5 Volts
5, 6, 7, 8 : Trigger contacts 1, 2, 4, 8 (15 possible triggers actions)

DMX IN trigger connection in Stand Alone

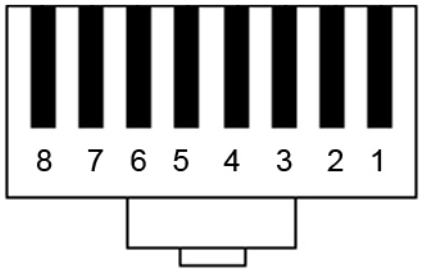


Stand alone Interface All PIN Assignments

XLR Pin Assignment :
1 : Ground DMX
1 : Data -
2 : Data +

Terminal block Pin assignment :
1 : Data + ; DMX 1
2 : Data – ; DMX 1
3 : Ground ; all DMX
4 : Data + ; DMX 2
5 : Data – ; DMX 2

RJ45 (1-J7) Pin Assignment (interfaces after 10/2011):
Master/Slave + IR signal receiver (optional).
1 : Master/Slave
2 : Master/Slave
3 : Ground
4 : IR Signal from the external IR LED receiver
5, 6: Free
7 : 5 Volts
8 : Ground

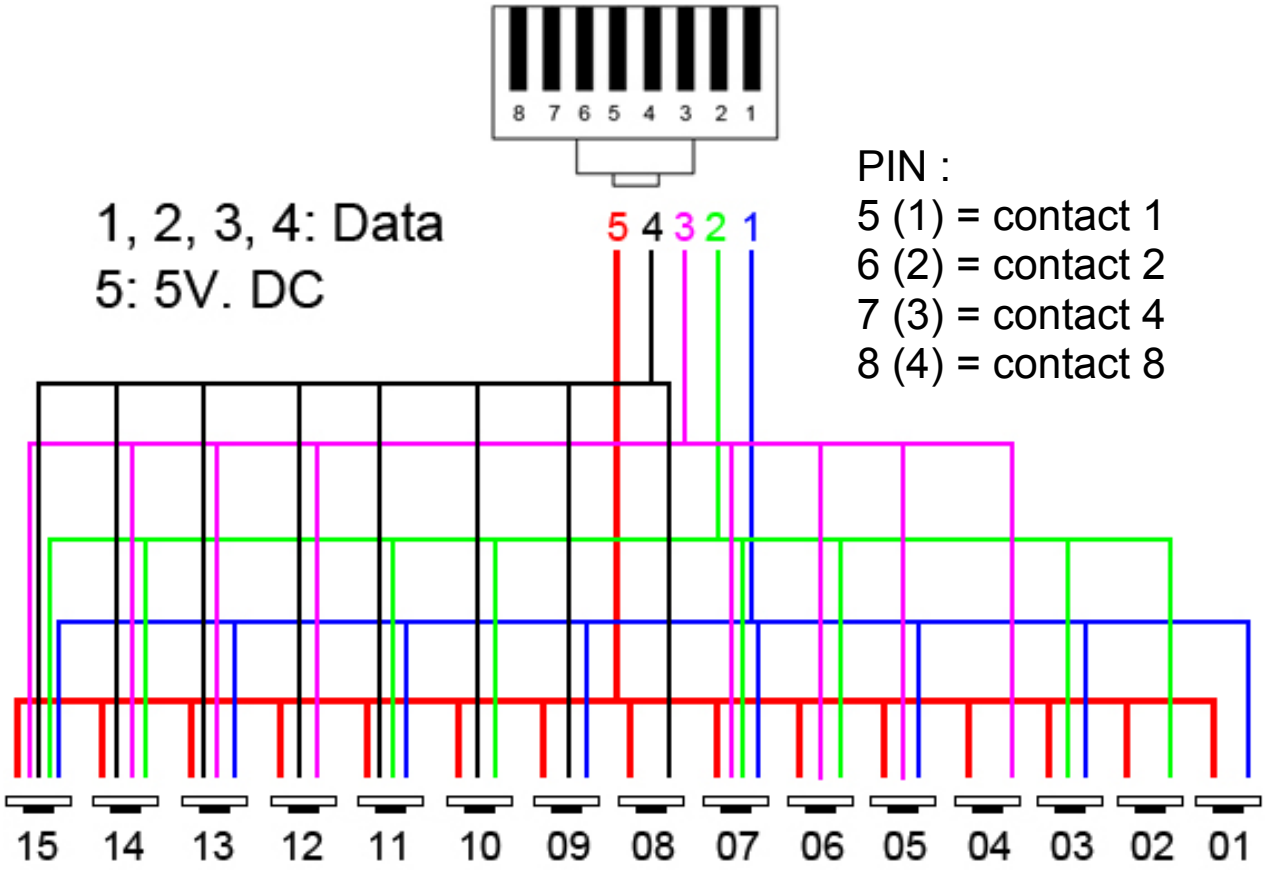


RJ45 (2-J6) Pin assignment (interfaces after 10/2011) :
Master/Slave + External Contact Closures.
1 : Master/Slave
2 : Master/Slave
3 : Ground
4 : 5 Volts
5, 6, 7, 8 : Trigger contacts (15 possible triggers actions)

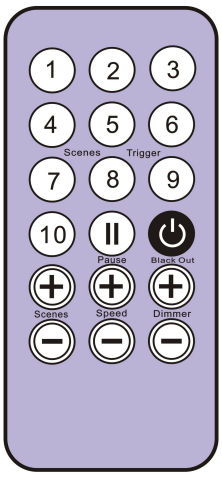
External Contact Closures can be done only when Pin 1, 2, 3, 4 are connected to Pin 5 (5 V. DC).

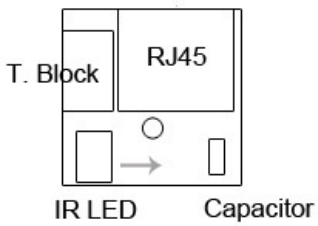
Pin Table:
Trigger 01 = Pin 5
Trigger 02 = Pin 6
Trigger 03 = Pin 5 + 6
Trigger 04 = Pin 7
Trigger 05 = Pin 5 + 7
Trigger 06 = Pin 6 + 7
Trigger 07 = Pin 5 + 6 + 7
Trigger 08 = Pin 8
Trigger 09 = Pin 5 + 8
Trigger 10 = Pin 6 + 8
Trigger 11 = Pin 5 + 6 + 8
Trigger 12 = Pin 7 + 8
Trigger 13 = Pin 5 + 7 + 8
Trigger 14 = Pin 6 + 7 + 8
Trigger 15 = Pin 5 + 6 + 7 + 8

15 Contacts wiring and connections with RJ45 Pins



IR Remote Control Unit and IR receiver LED (Optional feature)





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 stop directly with the button scene number, to stop a scene you must use 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 channel are 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.

To use the IR remote control, an external PCB with a IR receiver LED must be connected before to the RJ45 #1 of the Stand Alone interface. The standard RJ45 cable distance is about 20 meter maximum

IR PCB Pin assignment: RJ45 uses Pin #3 for Ground ; Pin #4 for IR Data ; Pin #7 for 5 volts. T. Block uses Pin O for IR Data ; Pin V for 5 Volts ; Pin G for Ground.

Software compatible functions

Software Technical Specifications	
System Compatibility	Windows 2000, XP, Vista, Seven, MAC OS X, Linux
Art-Net Output signal	Yes
Play several scenes	No
Play several programs	Yes
Multi beam management	Yes
Matrix management	Yes
Preset Management	Yes
Profile Editor	Yes
Stand Alone mode	Yes
Time trigger schedule	Yes
Moving Head management	Yes
DMX Patch Manager	Yes
Matrix editor	Yes
Time trigger	Yes (Stand Alone only)
Live Board	Yes
Touch screen able	Yes
DMX switch address resume	Yes
Fade In time for programs	Yes
Color effects	Yes
Pan and Tilt effects	Yes
Matrix Effects	Yes
Media Files management	Yes (jpg, bmp, Gif, png,avi)
Visual Color Rendering	Yes
Firmware update	From the software
Software password	Yes
Languages	English, French, German, Traditional Chinese, Simplified Chinese, Spanish, Japanese
Free update on the internet	Yes