

BJ-EX1 SHX Central Rack

Assembly guide



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smart solutions that suit you



1_Parts of the equipment

The model or manufacturer of some of the parts described in this section may vary from the equipment that it is in your hands now, but the main features and operation remains the same.

1.1_Black ABS rack

Size: 540 x 430 x 560 mm



1.2_Computer

The computer hosts the SHX program and the whole set of default contents. Other programs included are: Teamviewer for remote support and Splashtop for establishing a remote desktop connection with a tablet, if this is used as a controller. Splashtop is configured to work automatically if there's a tablet.

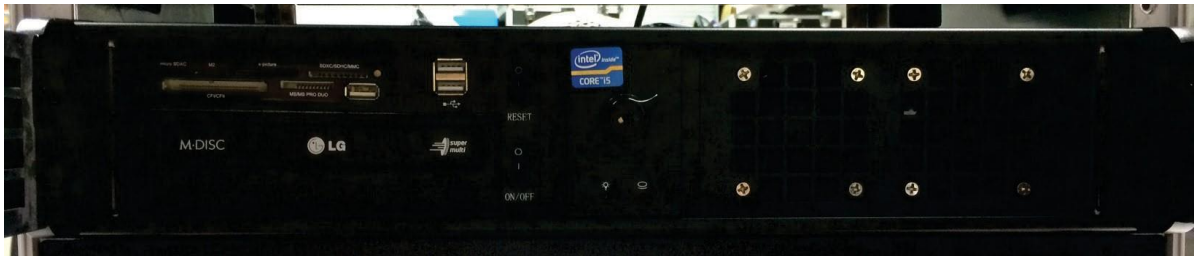
Rack type PC IPC ATX 2U F400 mm 5 x 3.5; 1 x 5.25 RackMatic



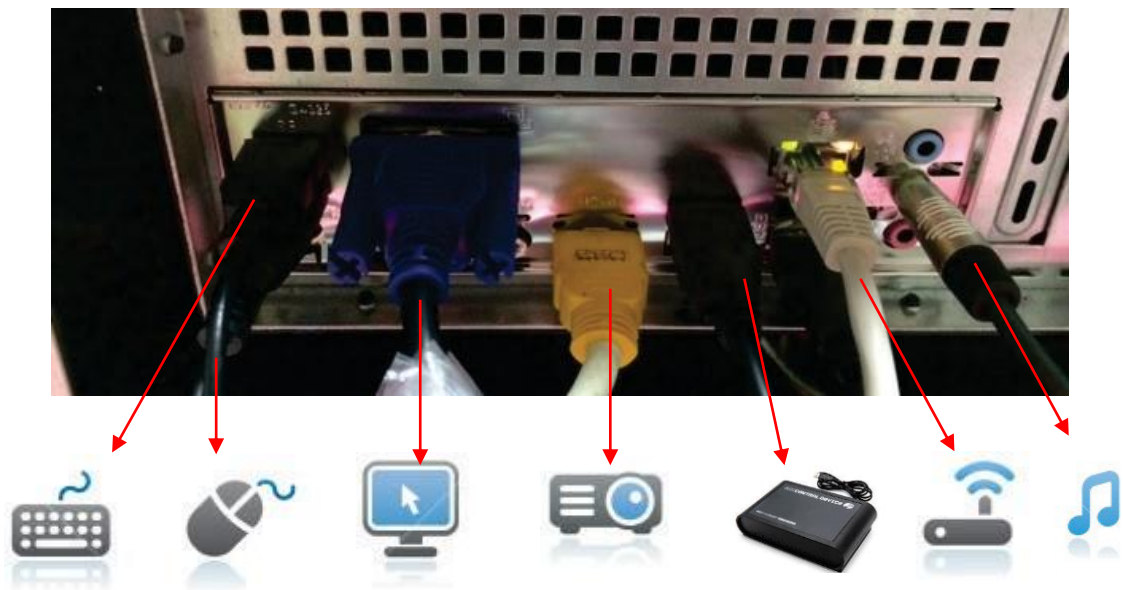
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Computer rear connections



Computer front connections



1.3_Amplifiers

1.3.1_AC amplifier for vibroacoustic system



Power amplifier with 2 outputs, feeding up to 2x2 vibroacoustic elements. This module is included only when the vibration is requested in some elements.

1.3.2_Hi-Fi Amplifier for sound system



Audio amplifier used for the sound, feeding two speakers.

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1.3.3_Rear connections for sound and vibration



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1.4_Computer screen



1.5_Computer peripherals



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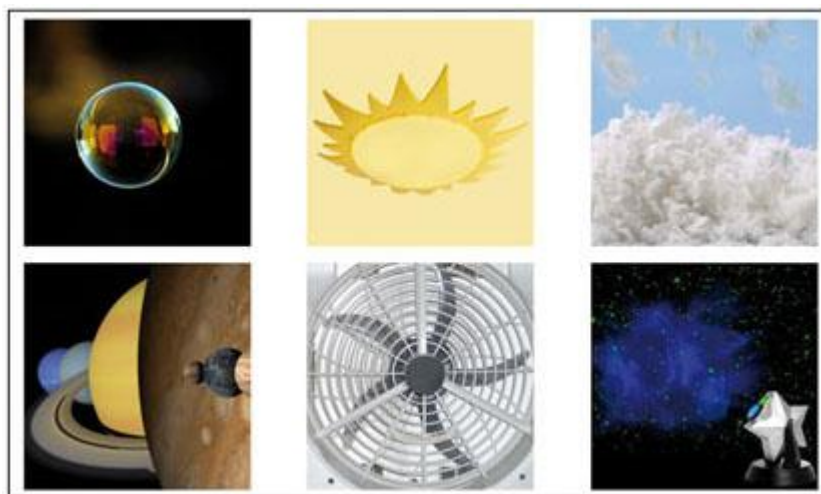
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1.6_ SHX Central device

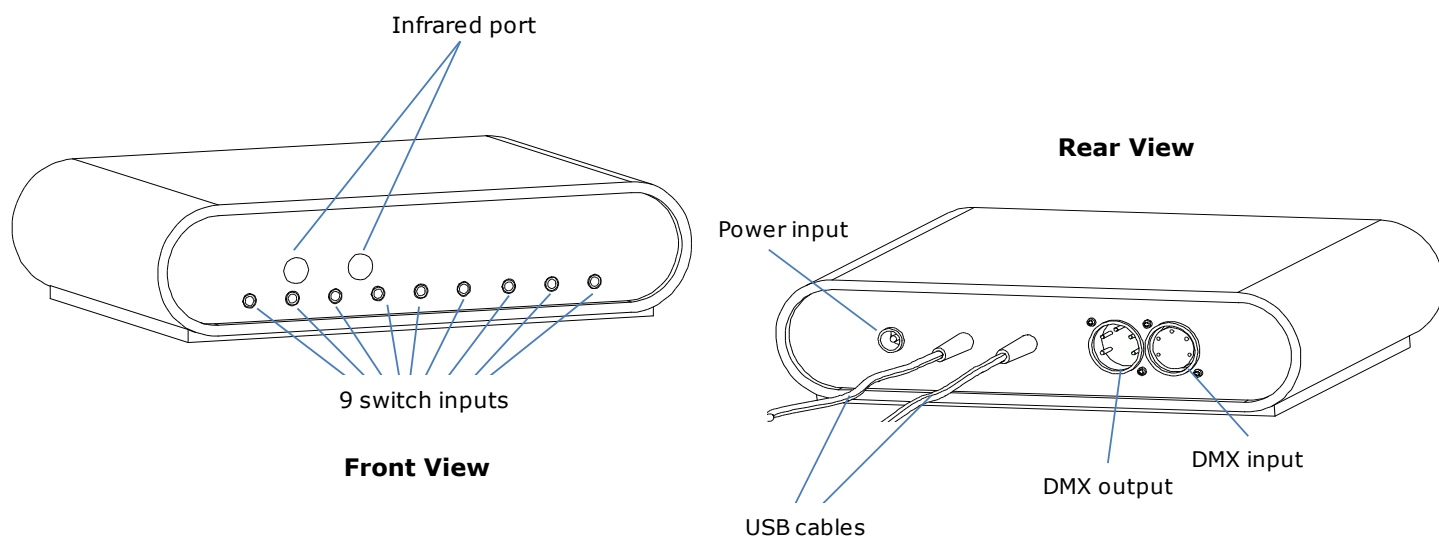
The SHX Central device **integrates the control of all the elements in a multisensory room**: DMX, RF and IR controlled elements, UV, projection, etc.

It can be accessed via scanning, touch screen, eye gaze and in general with any means which allow to access computers and tablets. It can be controlled remotely using external switches and any of our EC remotes.

This equipment has a Windows interface: **BJ Control SHX** program, and must be used along with it. This program allows creating an unlimited number of scenes to control all the elements in a multisensory environment and create multimedia ambiances.



1.6.1_Parts of the equipment



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- Male 5 pin DMX cable - 3 pin female
- Connection to end line

To start working with the equipment:

- 1) Connect the equipment to the mains using the power supply provided.
- 2) Connect the USB cables to the USB ports of the computer. Avoid connecting the USB cables using a HUB or a USB multiple connector.
- 3) Connect the DMX cable from the SHX Central device to the first DMX element of the room and the end line connector to the last DMX element.
- 4) If using external switches, connect the switches to the switch inputs.

This device, in combination with the SHX software allows you to control:

- Electrical appliances (special effects) connected to the Enabler socket+ by means of radio frequency signals.
- Devices controlled by Infrared signals.
- DMX lighting devices

IMPORTANT: It is possible to connect DMX devices, providing that they are in the CH-4 mode. See the DMX device's manual for compatibility.

The following table indicates the function of each switch input:

| | |
|----------------|---|
| Input 1 | Triggers the action programmed in Cell 1 in the active scene of the SHX program |
| Input 2 | Triggers the action programmed in Cell 2 in the active scene of the SHX program |
| Input 3 | Triggers the action programmed in Cell 3 in the active scene of the SHX program |
| Input 4 | Triggers the action programmed in Cell 4 in the active scene of the SHX program |
| Input 5 | Triggers the action programmed in Cell 5 in the active scene of the SHX program |
| Input 6 | Triggers the action programmed in Cell 6 in the active scene of the SHX program |
| Input 7 | Allows the access via scanning . Triggers the action programmed in the selected cell in the active template. |
| Input 8 | Triggers the action programmed in a cell selected randomly in the active template. |
| Input 9 | Triggers the action programmed in a cell selected sequentially in the active template. |

1.7_Projector and ceiling mounting system

1.7.1_Projector

It is necessary to calculate the optimal distance where the projector should be placed with regard to the projection-wall or screen in order to get the right image size:

http://www.epson.com/alf_upload/landing/distance-calculator/

| Ceiling height (m) | Projector mounting system (cm) | Distance from projector to projection wall (m) | Projection width (cm) | Projection height (cm) | Projection dead zone (cm) |
|--------------------|--------------------------------|--|-----------------------|------------------------|---------------------------|
| 2,5 | 8 | 1,76 | 280,4 | 210,3 | 31,6 |
| 2,7 | 8 | 1,9 | 302,8 | 227,1 | 34,1 |
| 3 | 8 | 2,11 | 337,3 | 253 | 38 |
| 3,5 | 8 | 2,48 | 396,2 | 297,2 | 44,6 |



HDMI video signal cable (15 m) from the computer to the SHX projector.

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1.7.2_ Ceiling mounting system

Installation manual included in the packaging.



1.8_Speakers



X2



X2



X2

Speaker mounting system:



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1.9_ Wiring of vibroacoustic elements

This element is provided only in case the vibration in any of the furniture is requested.



