

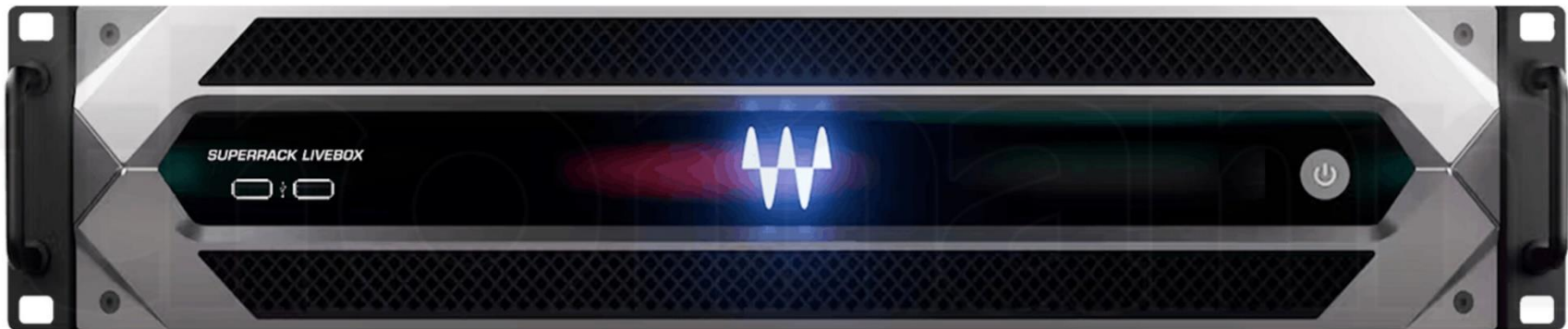


User Guide

SuperRack LiveBox D & SuperRack LiveBox M

SuperRack LiveBox D & SuperRack LiveBox are Windows-based computers designed specifically for Waves SuperRack Performer. They are physically rugged and operationally robust, and they conform perfectly to the processing profile of SuperRack Performer. SuperRack LiveBox D & SuperRack LiveBox M are 2U tall and full-rack space wide. They have ample USB and external display connectors, as well as an Ethernet port, so you can connect all the devices you need to run a show. The operating system is heavily optimized to provide maximum performance and stability with the specific hardware configuration. The only difference between SuperRack LiveBox D & SuperRack LiveBox M is the IO. SuperRack LiveBox D is equipped with Dante IO while SuperRack LiveBox M is equipped with MADI IO.

SuperRack LiveBox D & SuperRack LiveBox M Front View



SuperRack LiveBox D Back View



SuperRack LiveBox M Back View



Hardware Configuration

- Motherboard: [Gigabyte H610I](#)
- CPU: Core i7-14700
- Memory: 32GB RAM
- Storage: 512 SSD
- OS: Windows 10 LTSC with pre-configured image with optimized settings
- Dante PCIe I/O: [Marian Clara E](#) (SuperRack LiveBox D)
- Madi PCIe I/O: [RME HDSPe MAD1](#) (SuperRack LiveBox M)

Connectivity

- 2 x USB 2.0 ports (front)
- 2 x USB 3.2 Gen 1 ports (back)
- 4 x USB 2.0/1.1 ports (back)
- 2 x DisplayPorts
- 1 x HDMI port
- 1 x RJ-45 port.

Licensing and Authorization

Your purchase of SuperRack LiveBox D also includes the [SuperRack Performer](#) plugin host and [Waves Live](#) bundle.

Out of the box, the SuperRack LiveBox D does not come preauthorized.

To receive the included SuperRack Performer and Waves Live Bundle licenses, [register the device to your Waves account](#). The SuperRack Performer and Waves Live Bundle licenses will be deposited into your Waves account.

Once the licenses are registered, activate the licenses to authorize SuperRack Performer and the Waves Live Bundle:

1. Connect the LiveBox to the internet via the network port.
2. Launch **Waves Central** via the desktop icon.
3. Log in to your Waves account.
4. Select the **Licenses** page.
5. Select **Not Activated** at the top of the page.
6. Choose the license/s you wish to activate. Selected licenses will appear in the list on the right.
7. Choose the target device for the activated license/s.
8. Click the **Activate** button.



What's pre-installed on SuperRack LiveBox?

- Waves Central
- All Waves plugins
- SuperRack Performer
- Marian Dante IO Driver and Dante Controller (SuperRack LiveBox D)
- RME HDSPe driver and the TotalMix mixer (SuperRack LiveBox M)

Getting Started

Please refer to the [SuperRack Performer User Guide](#).

For Dante network support resources, please visit <https://www.getdante.com>.

For RME MADI support resources, please visit: <https://rme-audio.de/hdspe-madi.html>

Default Settings

SuperRack LiveBox D

- Sample Rate: 48 kHz
- Buffer Size: 32
- Clara E ASIO Enabled Channels: 1-128
- Dante Latency: 0.5 milliseconds



SuperRack LiveBox M

- Sample Rate: 48 kHz
- Buffer Size: 32
- Clock source: MADI in
- MADI IN: Coaxial (BNC)
- MADI OUT: 64 (32)

Supported Sample Rates

SuperRack Performer supports: 44.1kHz, 48kHz, 88.2kHz & 96 kHz,

SuperRack LiveBox D

- Sample rate can be changed via the Clara E device settings in Dante Controller
- Sample rates above 96kHz are not supported. If a higher sample rate is selected in Dante controller, the system will not function as expected.

SuperRack LiveBox M

- Sample rate can be changed via the RME HDSPe control panel
- Sample rates above 96kHz are not supported. If a higher sample rate is selected in the RME HDSPe control panel, the system will not function as expected

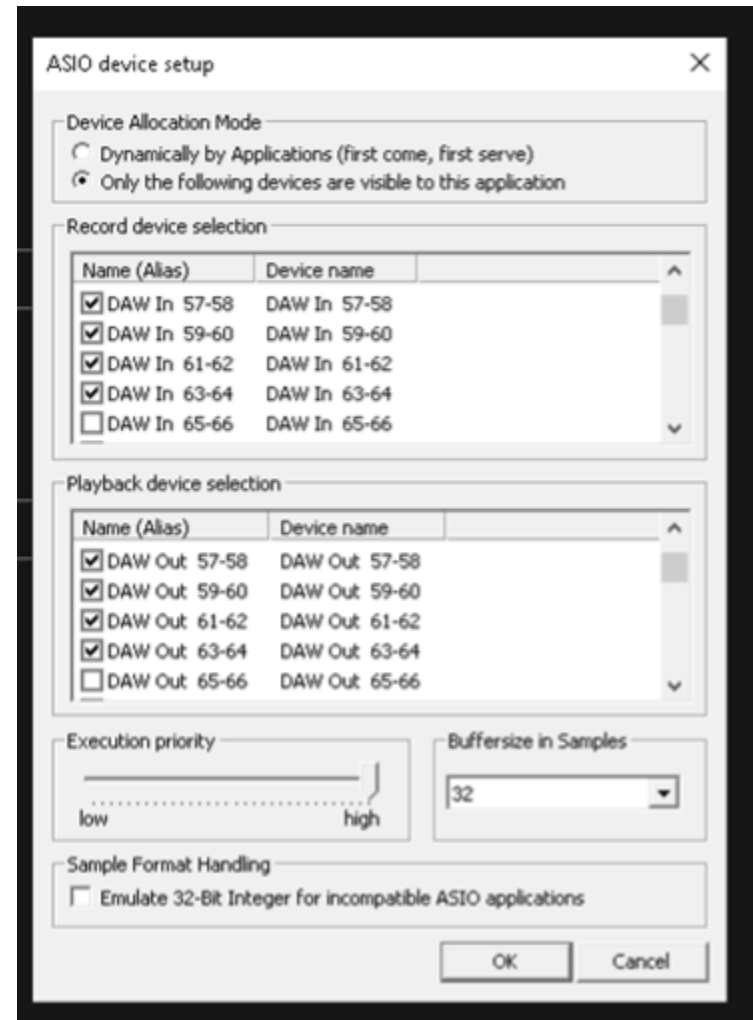


Changing Buffer Size & IO Settings

SuperRack LiveBox D

The default buffer size is 32 samples. If needed, the buffer size can be changed via the Clara E control panel:

1. In SuperRack Performer, go to Setup > Audio Setup. The Clara E interface is already selected. Click the 'Control Panel' button.
2. On the bottom right corner, adjust the buffer size –
Please note: The minimum buffer size supported when SuperRack and Clara E are running at 88.2/96kHz is 64 samples. If you previously used 32 samples, you would need to manually change it to 64, as explained above.



Other Clara E Settings

Make sure that the following settings are configured:

- Device Allocation Mode – we only support “only the following devices are visible to this application.”
- Execution priority – Set to the highest value.
- Sample Format Handling – Uncheck ‘Emulate 32-Bit Integer for incompatible ASIO applications.’
- **Please Note:** The check marked channels in the control panel will connect to the Clara E ASIO driver in the order of channel selection. For example, if 1-2,3-4,5-6 are checked, then 3-4 is unchecked, the Dante channels 5 and 6 will stream audio to Clara E 3-4 ASIO driver channels.

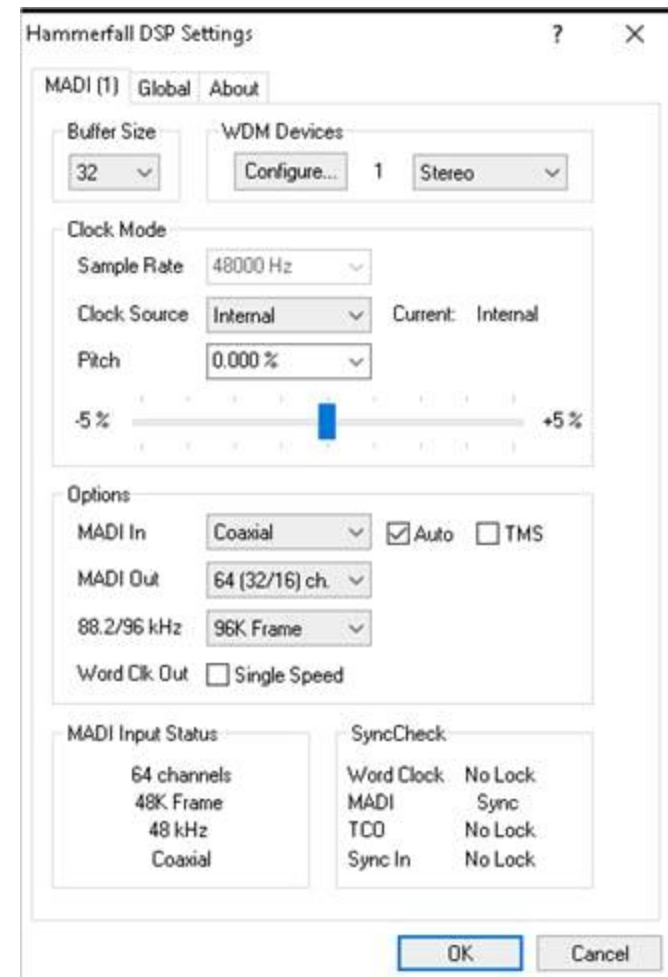
Using the default settings, there is no need to change the patch configuration in the Clara E control panel to use up to 128 channels, all 128 channels are available.



SuperRack LiveBox M

The default buffer size is 32 samples. If needed, the buffer size can be changed via the RME HDSPe control panel:

1. In SuperRack Performer, go to **Setup > Audio Setup**. The RME interface is already selected. Click the '**Control Panel**' button.
2. In the top left corner, adjust the buffer size –



Other RME HDSPe Settings

- WDM Devices – designates channels to WDM playback
- Auto - activates redundancy operation. If the current input signal fails, the other input will be used immediately, provided a valid signal is found there.
- TotalMix Mixer: The default TotalMix snapshot in LiveBox M provides 64 I/O out of the box, in 1 to 1, 2 to 2 style.

Additional Support Notes

- Channel count halves at 88.2/96khz.
- Clicking 'Control Panel' in Audio Setup will stop audio. The control panel should only be opened during setup time only and not during a show to not interrupt the audio stream.
- Loading a heavy plugin will result in momentary CPU spike. The CPU consumption will stabilize shortly after.
- Turning on Dugan Speech mixer might result in a momentary CPU spike. The CPU consumption will stabilize shortly after.
- If the AUDIO indicator turns yellow or the CPU meter turns yellow or red, consider raising the buffer or lighten the plugin load.



Dimensions

2U rack-mountable

Length: 48.2 cm / 19 in

Height: 8.8 cm / 3.5 in

Depth: 39.2 cm / 15.4 in

Weight: 9.5 kg / 20.9 lb

Power Consumption

100–240V

50/60 Hz

160W

Environment:

Operating Environment temperature range: 50° to 95°F / 10° to 35°C

Max Environment temperature: 104°F / 40°C

Need any assistance? [contact our Technical Support team](#).