DS

DS110

Manual

1.2 en



d&b audiotechnik

Notes on document version

Version 1.2:
Initial edition.

General information

DS110 Manual

Version: 1.2 en, 07/2026, D2035.EN .01

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Keep this document with the product or in a safe place so that it is available for future reference.

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IMPORTANT SAFETY INSTRUCTIONS

Explanation of graphical symbols



The lightning symbol within a triangle is intended to alert the user to the presence of uninsulated "dangerous voltages" within the unit's chassis that may be of sufficient magnitude to constitute a risk of electric shock to humans.



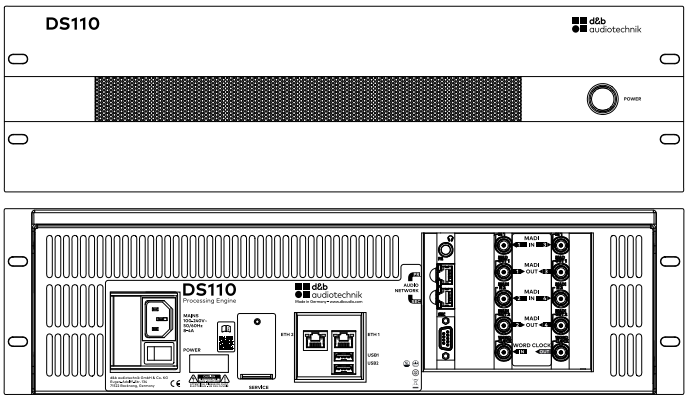
The exclamation point within a triangle is intended to alert the user to the presence of important operating and service instructions in the literature accompanying the product.

Before using this product, carefully read the applicable items of the following safety instructions.

1. Keep these instructions for future reference.
2. Read these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. **WARNING!** To reduce the risk of fire or electric shock:
   - Do not expose this unit to rain or moisture.
   - Keep water or other liquids away from the unit.
   - Do not place liquid filled containers, for example beverages, on top of the unit.
   - Do not operate the unit while it is wet or standing in liquid.
6. Always operate the unit with the chassis ground wire connected to the electrical safety earth.
   Do not defeat the safety purpose of a grounding-type plug. A grounding-type plug has two blades and a third grounding prong. The third prong is provided for your safety.
   If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7. Do not use this unit if the power cord is damaged or frayed. Protect the power cord from being walked upon or pinched, particularly at the plugs and the point where it exits from the apparatus.
8. The unit is intended for use in a 19" rack. Follow the mounting instructions. When a rack on wheels is used, exercise caution when moving the loaded rack to avoid injury from tipping over.
9. Unplug this apparatus during lightning storms or when unused for long periods of time.
10. Lay all cables connected to the unit carefully so that they cannot be crushed by vehicles or other equipment and that no one can either step on them or trip over them.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way such as:
    - Power-supply cord or plug is damaged.
    - Liquid has been spilled into the unit.
    - An object has fallen into the unit.
    - The unit has been exposed to rain or moisture.
    - The unit does not operate normally.
    - The unit was dropped or the chassis is damaged.
    - Do not remove top or bottom covers. Removal of the covers will expose hazardous voltages. There are no user serviceable parts inside and removal may void the warranty.
12. Use the mains plug as the disconnecting device and keep it readily accessible. If the mains plug is not readily accessible due to mounting in a 19" rack or equipment cabinet, then the mains plug for the entire rack must be readily accessible.
13. An experienced user must always supervise the equipment, especially if inexperienced adults or minors are using the equipment.

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1.1 Intended use

The d&b DS110 Processing Engine is a specialized 3 RU, 19" rack mount audio processor with Audinate Dante® audio networking as well as MADI audio in- and outputs.

In its basic configuration, it provides a 64 x 24 level/ delay audio matrix with En-Scene source positioning. Optional software modules provide En-Space emulated acoustics and higher I/O-sizes.

NOTICE!

The device complies with the electromagnetic compatibility requirements of EN 55032:2019 (product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use) for the environment Class B (residential).

Acoustic interferences and malfunctions may occur if the unit is operated in the immediate vicinity of high-frequency transmitters (e.g. wireless microphones, mobile phones, etc.). Damage to the device is unlikely, but cannot be excluded.

1.1.1 Software Terms of Use

The software modules installed on the device shall only be used to the extent intended/documented. d&b shall not be liable for any damage resulting from any other or non-conforming use.

You may not decompile, copy, alter or enhance the software modules installed on the device or their source codes in any form. d&b will investigate any infringement of copyright or intellectual property rights.

1.1.2 Matrix I/O License model sizes

Depending on the running (active) license the following matrix in- and output (in x out) sizes (S/L/XL) at the given sampling rates applies:

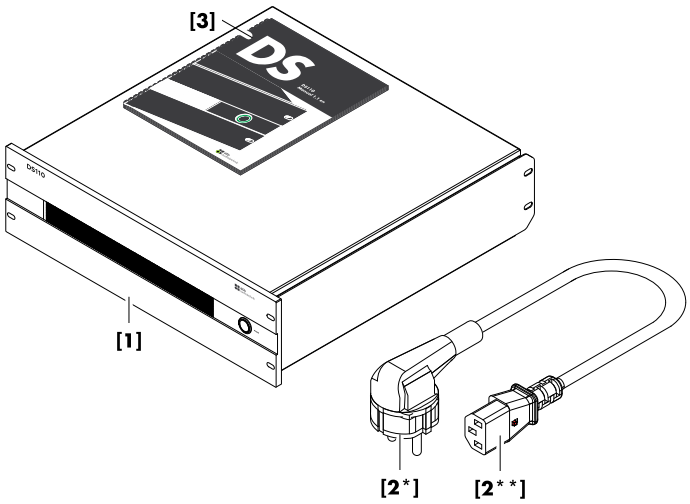
Size S: 64 x 24 @ 48 kHz or 96 kHz
Size L: 64 x 64 @ 48 kHz or 96 kHz
Size XL: 128 x 64 @ 48 kHz or 96 kHz

1.1.3 Application

The DS110 Processing Engine is a versatile tool for large and complex audio systems that are used to route and distribute a large number of audio channels to many different amplifier channels, break out rooms, loudspeaker zones or positions.

d&b audio systems including the DS110 are designed and optimized using the d&b ArrayCalc Simulation software and are controlled using the d&b R1 Remote control software.

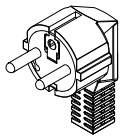
The comprehensive input processing provides Gain, EQ, Delay, Mute and Polarity switches enabling the user to combine all types of input signals to create a mix of audio signals from a wide variety of sources. Extended processing capabilities are also provided on every output.
The audio matrix with level, mute, and delay controls at every crosspoint is a very flexible tool to either simply distribute audio signals to the intended output or, if the crosspoint delay is enabled, to position audio sources in a distributed loudspeaker setup.



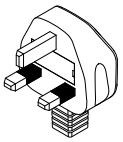
Before starting up the device, please verify the shipment for completeness and proper condition of the items.

If there is any sign of obvious damage to the unit and/or the power cord, do not operate the unit and contact your local dealer from whom you received it.

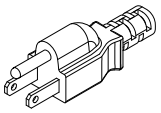
Pos.	Qty.	d&b Code	Description
[1]	1	Z4103	d&b DS110 Processing Engine
Including:			
[2]	1	Z2611.xxx	Power cord (specific to country* with IEC type** plug)
[3]	1	D2035.EN .01	DS110 Manual



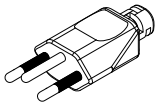
Z2611.000
3-pin Schuko
CE 7/7
IEC Lock**



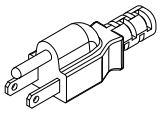
Z2611.010
3-pin GB
BS 1363A
IEC Lock**



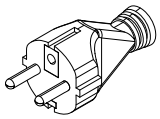
Z2611.020
3-pin Noth america
NEMA 5-15P
IEC Lock**



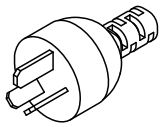
Z2611.030
3-pin Swiss
SEV1011
IEC Lock**



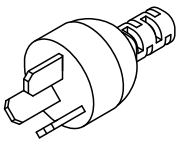
Z2611.040
3-pin Japan
NEMA 5-15P
IEC Std.**



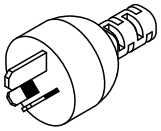
Z2611.050
3-pin South Korea
KS C8305
IEC Std.**



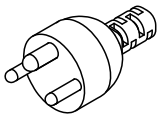
Z2611.060
3-pin Argentina
IRAM 2073
IEC Std.**



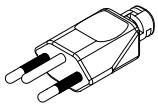
Z2611.070
3-pin China
GB 2099
IEC Std.**



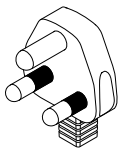
Z2611.080
3-pin Australia
AS 3112
IEC Std.**



Z2611.100
3-pin Denmark
Afsnit 107-2-D1
IEC Std.**



Z2611.110
3-pin Brazil
NBR 14136
IEC Std.**



Z2611.120
3-pin South Africa
SANS 164-1
IEC Std.**

***Mains plug types and associated standards / **IEC type**
IEC Lock: Lockable IEC plug
IEC Std.: Standard IEC plug
(Illustrations are approximations only and not true to scale)

Power supply

Universal range switched mode power supply

Mains connection ..... IEC type socket

Rated mains voltage ..... 100 to 240 V, 50 – 60 Hz

Nominal power consumption ..... 400 W

Thermal and Environmental conditions

IP class IP20

Operating temperature range ..... 0 °C to 50 °C

..... 32 °F to 122 °F

Storage temperature range ..... –20 °C to 70 °C

..... –4 °F to 158 °F

Operating humidity range (rel. non-condensed) ..... 10% to 85%

Storage humidity range (rel. non-condensed) ..... 15% to 90%

Fan noise emission

Idle (@ 22 °C / 71.6 °F) ..... 36 dB(A)

Full load (@ 22 °C / 71.6 °F) ..... 42 dB(A)

Full load (@ 50 °C / 122 °F) ..... 54 dB(A)

Dimensions and weight

Height x width x depth ..... 3 RU x 19" x 481 mm

..... 3 RU x 19" x 18.93"

Weight ..... 11.2 kg / 24.7 lb

Connections (Network)

ETH 1 ..... RJ45

..... LAN 100/1000 Mbit/s

..... OCA/AES70

..... OSC

..... SNMP

Default IP address 192.168.1.100

2x USB ..... USB 3.0 port

AUDIO NETWORK ..... Dante® audio network/AES67

..... 2x RJ45 for Dante® PRImary/SECondary

MADI interface ..... Supported MADI channels: 0 ... 128

Physical MADI inputs/outputs ..... IN 1/OUT 1 ... IN 4/OUT 4

WORD CLOCK ..... IN/OUT

Controls and indicators

Mains power switch ..... Rocker switch on rear panel

POWER ..... Push-button switch with integrated ring-LED indicator

Boot time ..... Appr.: 45 sec.

I/O

Sample rate for I/O ..... 48/96 kHz

Inputs ..... S/L: 64; XL: 128

Outputs ..... S: 24, L/XL: 64

Latency

Dante® In to Out ..... < 1.4 ms @ 48 kHz

..... < 1.6 ms @ 96 kHz

..... plus Dante® network latency

Input processing

Gain ..... –120 dB ... +24 dB

Polarity ..... 0°/180°

EQ ..... 8-band PEQ with high/low shelf

Delay ..... Up to 500 ms

Mute ..... On / Off

Matrix processing

Crosspoint Mute ..... On/Off

Crosspoint Level ..... –120 dB ... +10 dB

Crosspoint Delay ..... Up to 500 ms

Output processing

Gain ..... –120 dB ... +10 dB

Polarity ..... 0°/180°

EQ ..... 16-band PEQ with high/low shelf

Delay ..... Up to 500 ms

Mute ..... On / Off

En-Scene

Input sources ..... Up to 128

Positioning ..... Static or dynamic (moving)

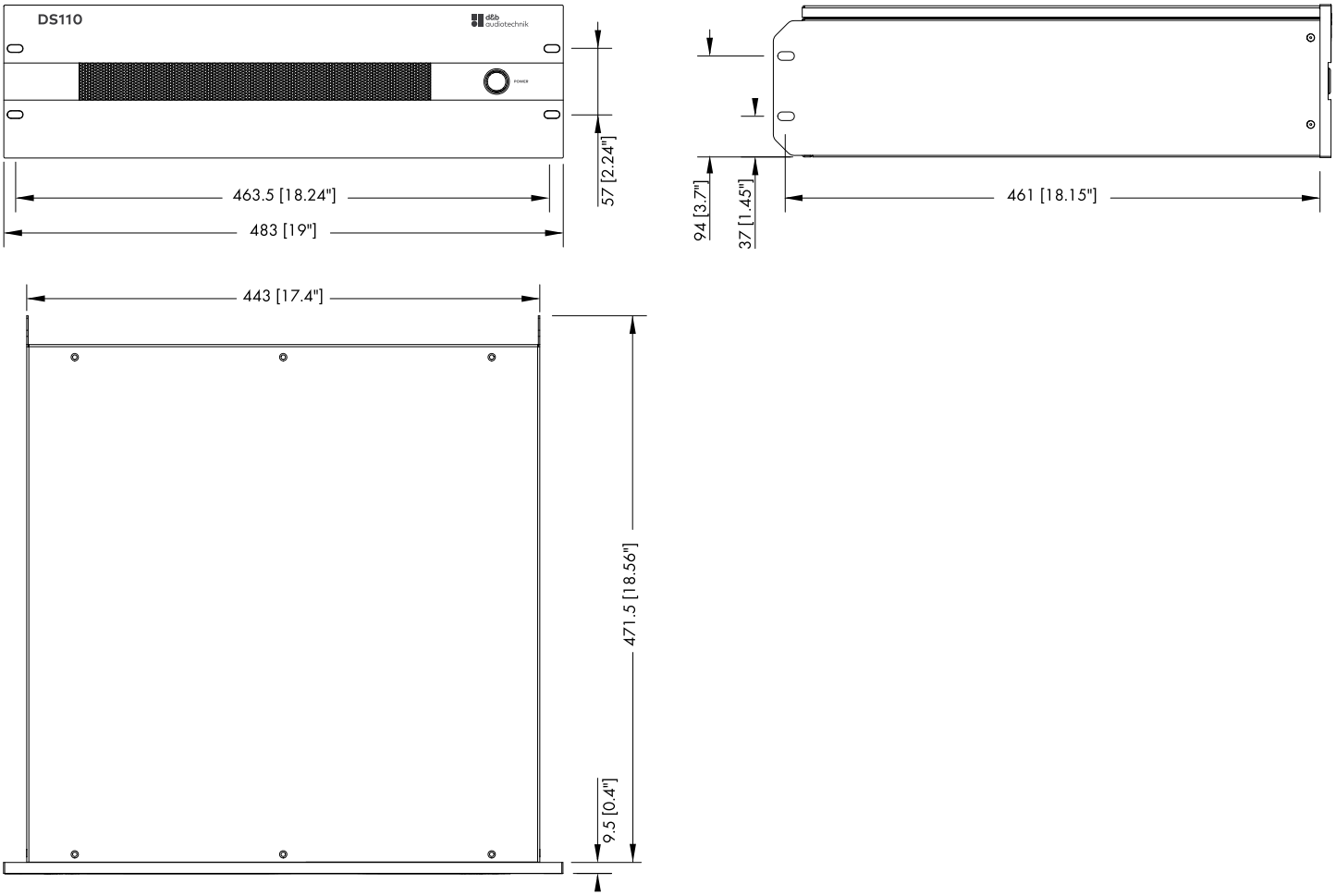
Control ..... Manual or external

External control ..... OCA/AES70 and OSC

En-Space

Convolvers ..... Up to 144

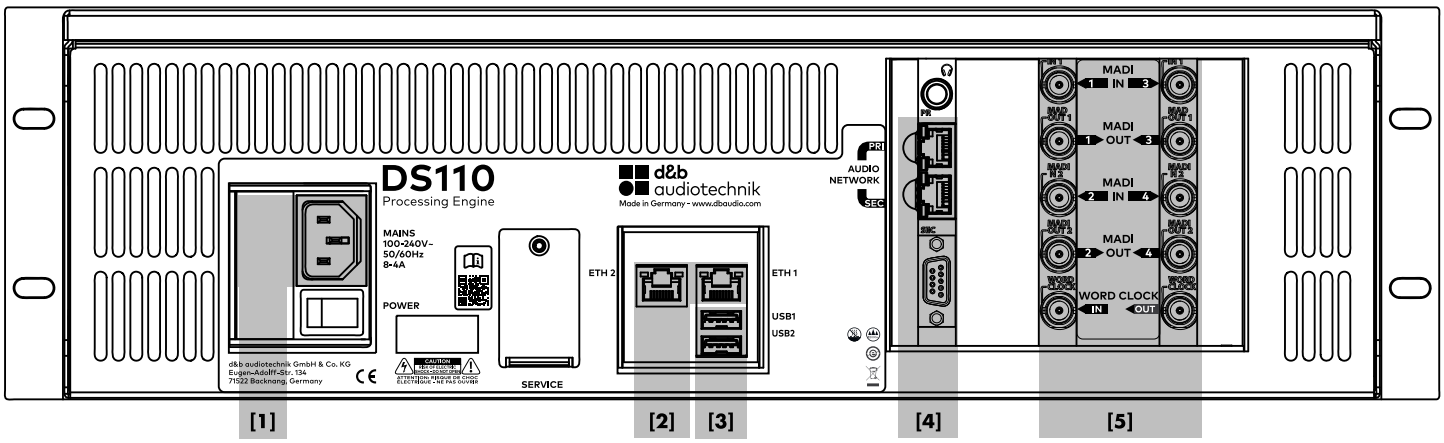
Impulse response length ..... Up to 6.3 seconds



DS110 dimensions in mm [inch]

4.1 Overview

Connections



[1] IEC mains connector socket
Refer to ⇒ Chapter 4.3.1 “Mains connection” on page 11.

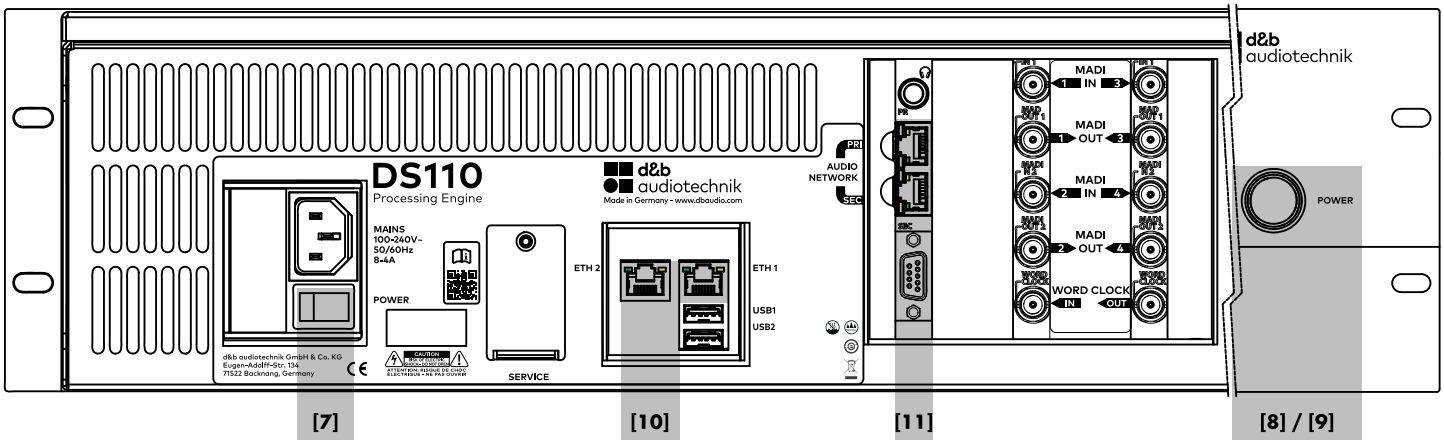
[2] ETHERNET (LAN port)
Refer to ⇒ Chapter 4.3.2 “ETH 1/ETH 2” on page 12.

[3] USB (USB 3.0 port)
Refer to ⇒ Chapter 4.3.3 “USB1/ USB2” on page 12.

[4] AUDIO NETWORK
Dante® audio network
Refer to ⇒ Chapter 4.3.4 “AUDIO NETWORK” on page 12.

[5] MADI interface
Refer to ⇒ Chapter 4.3.5 “MADI interface” on page 13.

Controls and indicators

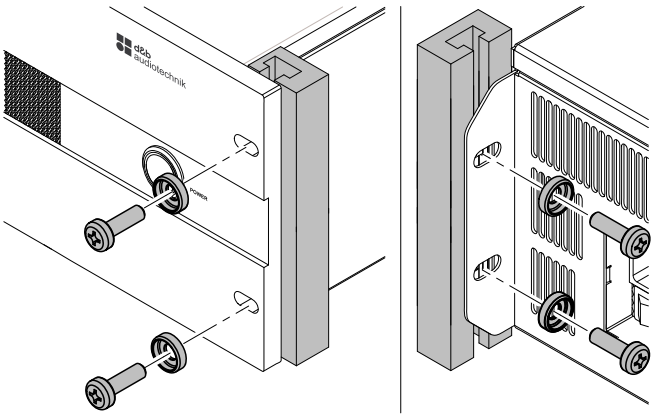


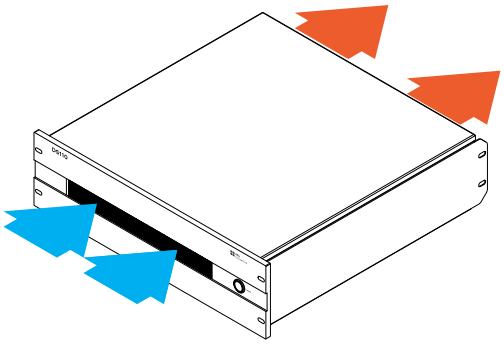
[7] Mains power switch
Refer to ⇒ Chapter 4.4.1 “Mains power switch” on page 14.

[10] ETHERNET network indicators
Refer to ⇒ Chapter 4.4.3 “ETH 1/ETH 2 indicators” on page 16.

[11] AUDIO NETWORK indicators
Refer to ⇒ Chapter 4.4.4 “AUDIO NETWORK indicators” on page 16.

[8] POWER button with integrated power
[9] on indicator
Refer to ⇒ Chapter 4.4.2 “POWER button and LED indicator” on page 14.





4.2 Rack mounting and cooling

Rack mounting

The enclosure is designed to fit standard 19" equipment racks or cabinets.

NOTICE!

When mounting the device into 19" equipment racks or cabinets, it is strongly recommended that you:

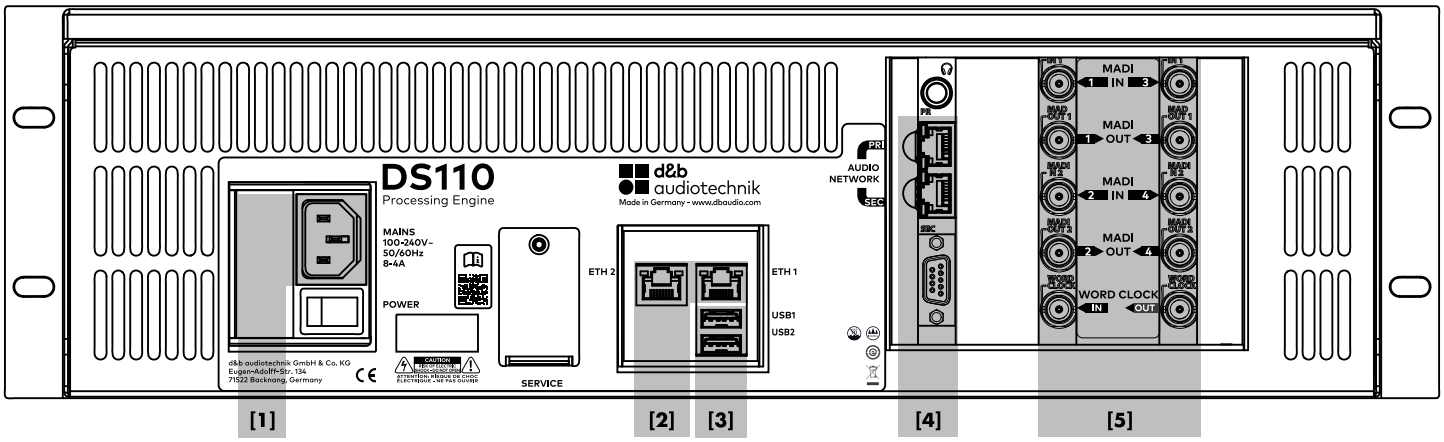
- **Always** fix the device at its **front AND rear rack ears** using appropriate rack mounting screws and U-washers, as shown in the graphic opposite.
- Alternatively use shelves fixed to the inner sides of the equipment rack or cabinet.

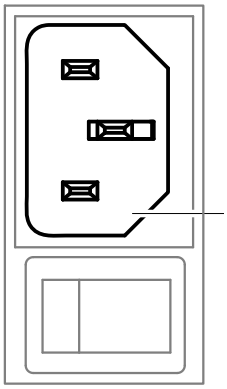
Cooling

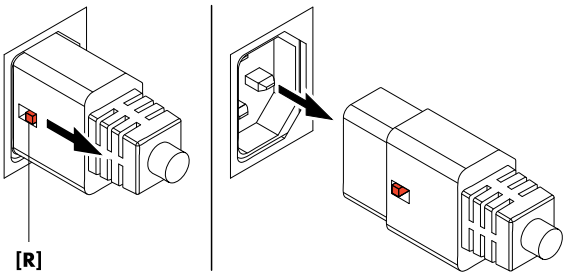
Thermal conditions are a vital factor to ensure operational safety of the device. The device is equipped with three internal fans that draw cool air from the front into the housing and channel the warm air towards the back of the device.

- Please ensure that adequate cool airflow is provided.
- Do not block or cover the front panel air intake or the vents on the rear panel.
- If the device is installed in sealed cabinets (e.g. in fixed installations), use additional fan modules with filters that can be easily replaced without opening the sealed cabinets.
- Do not rack up DS110 devices together with other devices producing additional heat with opposing airflow.

4.3 Connections







4.3.1 Mains connection

WARNING!
Potential risk of electric shock.

The device is a protective class 1 unit. A missing earth (ground) contact may cause dangerous voltages in the housing and controls and may lead to electric shock.

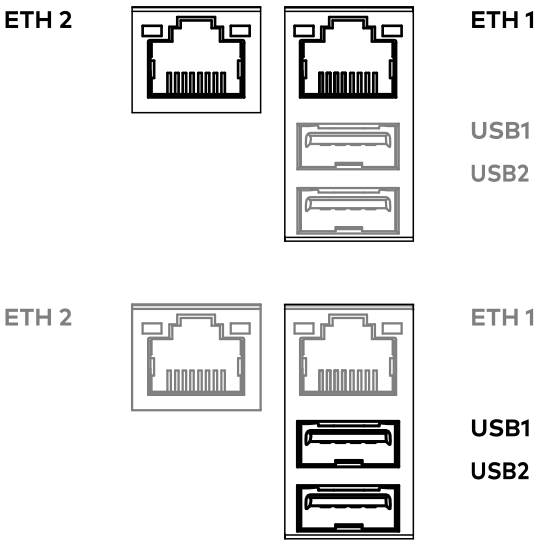
- Connect the device to mains power supplies with protective earth only.
- If there is any sign of obvious damage to the power cord and/or mains plug, do not use the power cord and replace it before further use.
- Please ensure the mains connector is accessible at any time to disconnect the device in case of malfunction or danger.

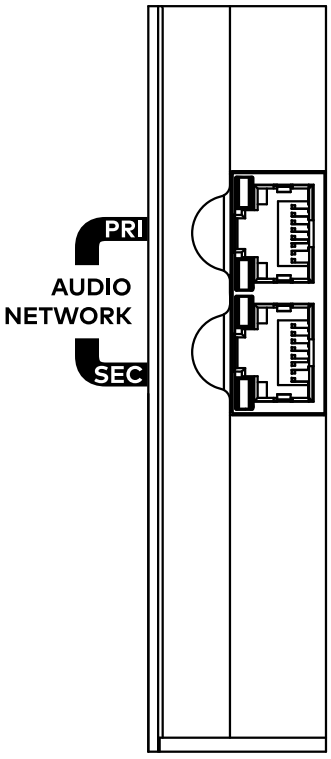
An IEC type mains connector socket **[1]** is fitted on the rear panel. An appropriate power cord with an IEC type mains plug is supplied with the device.

Before connecting the device to mains voltage, check that the mains voltage and frequency correspond to the specifications on the rating label next to the IEC type mains connector socket **[1]**.

Lockable IEC type mains plug (IEC Lock)
Once the mains plug is connected, it is locked to avoid accidental disconnection of the device.

To disconnect the power cord, pull the release button **[R]** towards you and pull out the mains plug.





4.3.2 ETH 1/ETH 2

Two Ethernet ports (ETH 1/ETH 2 - 100/1000 Mbps/peer-to-peer) **[2]** are provided enabling remote control via Ethernet.

> **Note:** The ETH 2 connector is currently disabled but is reserved for future feature implementations.

4.3.3 USB1/USB2

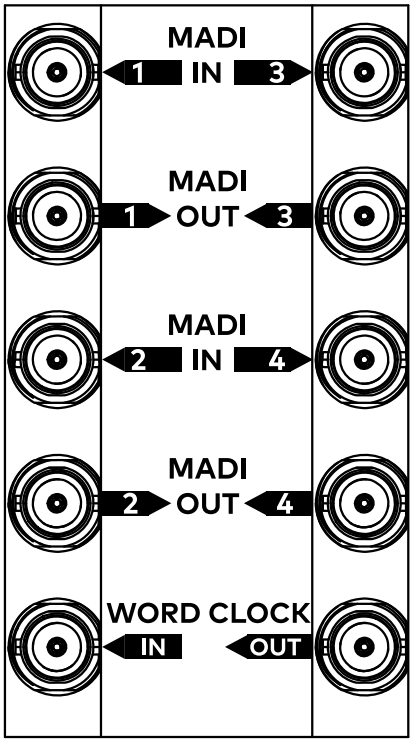
Two USB 3.0 ports **[3]** are provided for future functionality.

4.3.4 AUDIO NETWORK

The DS110 provides a fully supported Dante® audio network interface **[4]** (Gigabit only).

PRImary RJ45 port, used to connect the device to the primary network to transmit and receive audio.

SECondary RJ45 port, used to connect the device to a secondary network for redundancy.



4.3.5 MADI interface

In addition the DS110 incorporates a fully supported MADI interface **[5]** which allows the corresponding MADI audio input sources to be transferred via the Dante® audio network.

The assignment of the corresponding MADI input source blocks to the physical MADI inputs on the device are listed in the table below.

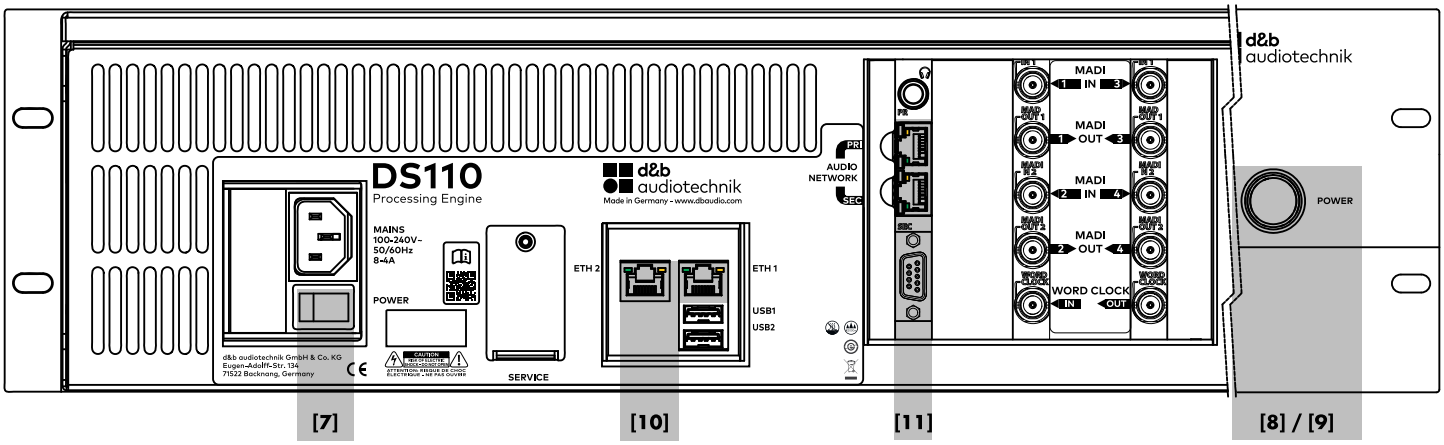
MADI input channel block	Physical MADI port
1 - 32	**IN 1|OUT 1**
33 - 64	**IN 2|OUT 2**
65 - 96	**IN 3|OUT 3**
97 - 128	**IN 4|OUT 4**

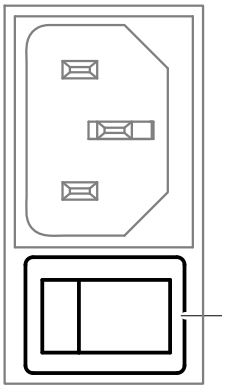
WORD CLOCK

IN Receiving an external word clock signal.

OUT Providing the word clock signal.

4.4 Controls and indicators





4.4.1 Mains power switch

OFF Mains isolation is not provided. The mains power supply is switched off but remains connected to the mains.

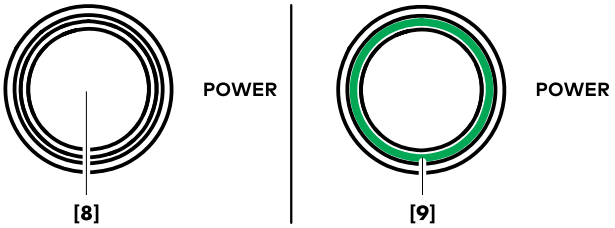
ON The mains power supply is switched on and the device is ready for operation.

4.4.2 POWER button and LED indicator

4.4.2.1 Switching on (boot up)

⇒ Provided the mains power switch **[7]** at the rear is switched on, pushing the POWER button **[8]** will boot up the device.

↳ The integrated LED indicator **[9]** illuminates green.

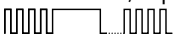


4.4.2.2 Device shut down/Device reset/System status

The POWER button serves to set/reset the device into dedicated system statuses by pressing the button a specified number of times within a time frame of 4 seconds.
Provided the device is powered on and fully booted, the table below details the desired device status, the neccessary action/ sequence and its result:

Device status	Action/Sequence	Result
Power down.	Press power button 2x.	Normal shut down.
Network to default settings.	Press power button 4x.	Network defaults applied: **IPmode:** DHCP+FB (Fallback). **Fallback IPaddress:** `192.168.1.100`. **IPmask:** `255.255.255.0`. **RemID:** Set to `0.01`.
Network to DHCP+LL settings.	Press power button 5x.	DHCP+LL applied.
Reset device name and audio path.	Press power button 7x.	Reboot: ▪ Device name is reset to factory default. ▪ All inputs are reverted to Matrix mode. ▪ All input, matrix nodes and output processing is reset. ▪ Device Scenes and network/remote settings are not affected.

Trouble shooting

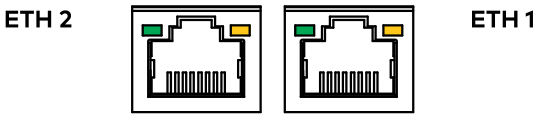
LED status	Description
Off	The system does not operate: ▪ No mains supply available. ▪ The mains power supply is faulty.
Illuminates green	▪ Mains supply is available. ▪ The system is switched on and is operating.
Flashing 4 short flashes or 1 long flash followed by 4 short flashes, repeated. 	▪ Power supply fault. Please contact your d&b Service Partner or Service Hub*.
Flashing 2 short flashes, repeated. 	▪ Fault in CPU power supply. ▪ Fault in CPU or BIOS. Please contact your d&b Service Partner or Service Hub*.
Flashing permanently 	▪ Dante® I/O fault (Dante card). Please contact your d&b Service Partner or Service Hub*.

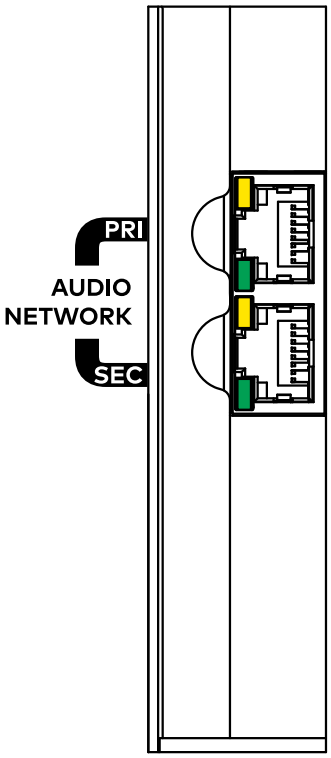
*The d&b website at www.dbaudio.com contains a list of all d&b Service Partners or Service Hubs responsible for your region.

Behavior after AC power interruption

If the AC power is interrupted, the device will remember its last power state and restore it when the AC power is re-established. This leads to the following behavior:

AC power interrupted while device is:	Behavior after re-establishing AC power:
On	Device powers up immediately: ⇒ Previous 'ON' state restored. ⇒ Device keeps 'ON' state.
Off	Device powers up immediately: ⇒ Previous 'OFF' state restored. ⇒ Device shuts down.





4.4.3 ETH 1/ETH 2 indicators

Status LEDs

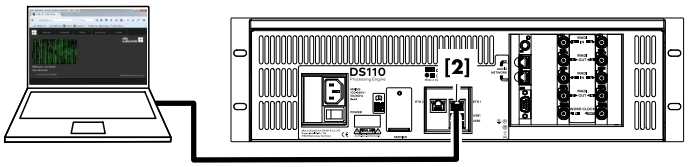
Link status / activity LED
Solid green: Link established.
Flashing: Link activity.

Gigabit link status LED
Solid orange: Established Gigabit Ethernet link.

4.4.4 AUDIO NETWORK indicators

Link status / activity LED:
Green indicates an established link; flashing indicates link activity.

Gigabit link status LED:
Orange indicates an established Gigabit Ethernet link.



Ethernet (ETH 1) connection

5.1 Physical setup

Simply connect the LAN connector port of your computer to the **ETH 1** connector **[2]** of the device.

5.2 Direct connection

To enable access via the Web Remote interface, proceed as follows:

By factory default, the IP address of the device is set to `192.168.1.100`.

To access the device, manually assign a matching IP address to the computer in your network in the same subnet as the device.

Proceed as follows:

1. Navigate to the network settings of your computer associated with your network adapter.
2. Open the corresponding network properties dialog.
3. Enter a static IP address in the same subnet as the device:
   IP address: e.g. `192.168.1.101`
   Subnet mask: `255.255.255.0`
4. Confirm the changes and close the network properties dialog.
5. To display the Web Remote interface page of the device, enter its IP address (⇒ factory default IP address: `192.168.1.100`) in the address bar of your web browser.

5.3 Web Remote interface

A Web Remote interface is integrated which provides direct access to the DS110 using a standard web browser.

Note: The DS110 can only be accessed after connecting the device to a computer via Ethernet. However, this requires to manually set a static IP address on the PC network interface.

Connect the DS110 and the computer to the same Ethernet network.

Recommended and tested browsers:

Windows:
- Firefox 150 or higher
- Microsoft Edge 148 or higher
- Google Chrome 148 or higher
- Opera 131 or higher

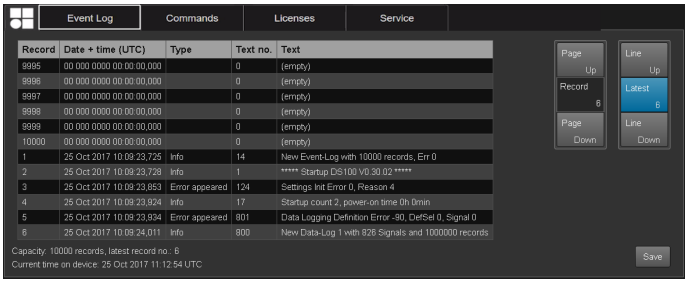
macOS:
- Safari V6.0 or higher
- Firefox V22.0 or higher
- Google Chrome V21 or higher
- Opera V15 or higher

iOS:
- iOS 6 or higher

Android:
- Mobile Firefox 150 or higher
- Google Chrome for Android 148 or higher

5.4 Web Remote interface page

The Web Remote interface page is split into three tabs: the «Event Log», «Commands» and «Licenses» tabs.



5.4.1 Event Log tab

The «Event Log» stores a maximum of 10000 records. Once the maximum number of records is reached, the system starts deleting the first ones ⇒ Ring buffer.

The number of records displayed depends on the size of the browser window.



Located on the right-hand side of the record list are various Navigation buttons allowing you to scroll through the list using the «Page Up/Down» or «Line Up/Down» buttons or by directly jumping to the «Latest» record.

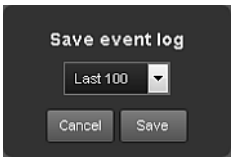
In addition, the editable «Record» field allows you to enter a dedicated record number. The corresponding record will be displayed at the very bottom of the record list.

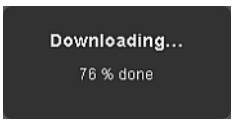
Storage option

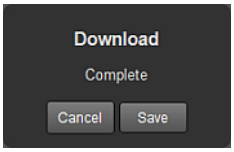
In addition, a storage option is provided which allows you to store the Event Log data locally. This is mainly intended for service and/or troubleshooting purposes.

To save the Event Log data locally, proceed as follows:

1. Select the «Save» button (Save) at the bottom right corner of the web browser window.
   ↳ A corresponding dialog will pop up providing you with a drop-down list from which you can select either the number («Last [n]») of records or «All» records to be saved.
2. Choose the desired option from the drop-down list and select «Save».
   ↳ The Event Log data will be downloaded and the download progress will be displayed.
   Once the download is completed, a corresponding message will be displayed.
3. Select «Save» to store the Event Log data locally.
   ↳ Your web browser will display the corresponding dialog and the file will be saved as **`Event.log`** to the local download directory you have specified in the download settings of your browser.

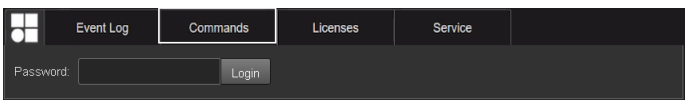


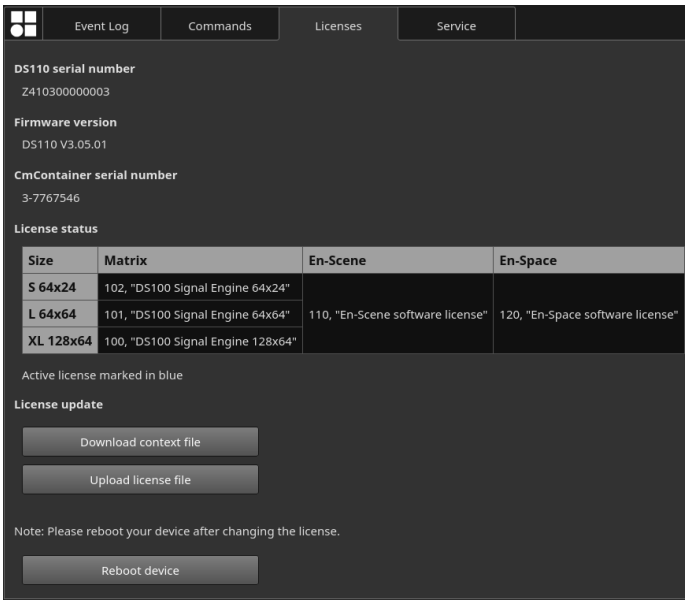




5.4.2 Commands tab

This functionality is intended for service purposes only.

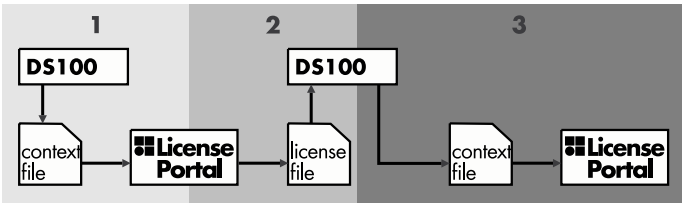




5.4.3 Licenses tab

The Licenses tab shows:

- the serial number of the overall device (⇒ «DS110 serial number»)
- the firmware version (device firmware is updated via R1, please make sure that you are always up to date to receive all updates and bugfixes)
- the serial number of the license container within the device (⇒ «CmContainer serial number»)
- an overview of the licenses that are currently activated on the device (⇒ «License status»).
  This tab is also crucial for adding licenses to or removing them from the device (see also in the following section).



Note: Process shown for the DS100. The same process applies to the DS100M and DS110.

5.4.3.1 License management process

From your pool of purchased and applicable licenses available through the d&b license portal, you can easily add them to and remove them from any DS110. You can do this on your own, at any time, provided you have a computer with an internet connection and network access to the DS110.

Adding and removing licenses from a DS110 works via an exchange of context (*.rac) and license (*.rau) files between the DS110 and the d&b license portal. Since this is an offline process (DS110s have no internet connectivity), it is important to confirm each change in license status to the license portal.
This is of particular importance when removing licenses from a DS110 - without confirmation, they will not be shown as available in the license portal. The illustration opposite shows the overall process.

Note: You can add your licenses to any DS110 with a supported firmware version (compare the license you would like to apply to the respective firmware release notes beforehand). This means that you are also responsible for removing them again afterwards, e.g., if it is a rented device. You can only apply and remove licenses assigned to your d&b license portal account. That means nobody can “steal” a license from a machine that you rented out to them.

Note: While it is possible to apply more than one matrix size license to the same DS110, the device will only ever use the largest size applied to it. For example, a machine with an S and XL license will always start as the XL variant.
Make sure to remove all matrix licenses you currently do not need and deposit them back to your d&b license portal account.

5.4.3.2 Using the d&b License Portal

You can access the License Portal via this URL:
license.dbaudio.com

You will have been asked to create a password at license purchase. If your DS110 and licenses have been purchased at a time prior to the license portal and you'd like to create a license portal account to handle your purchased licenses flexibly, please contact your d&b sales partner.

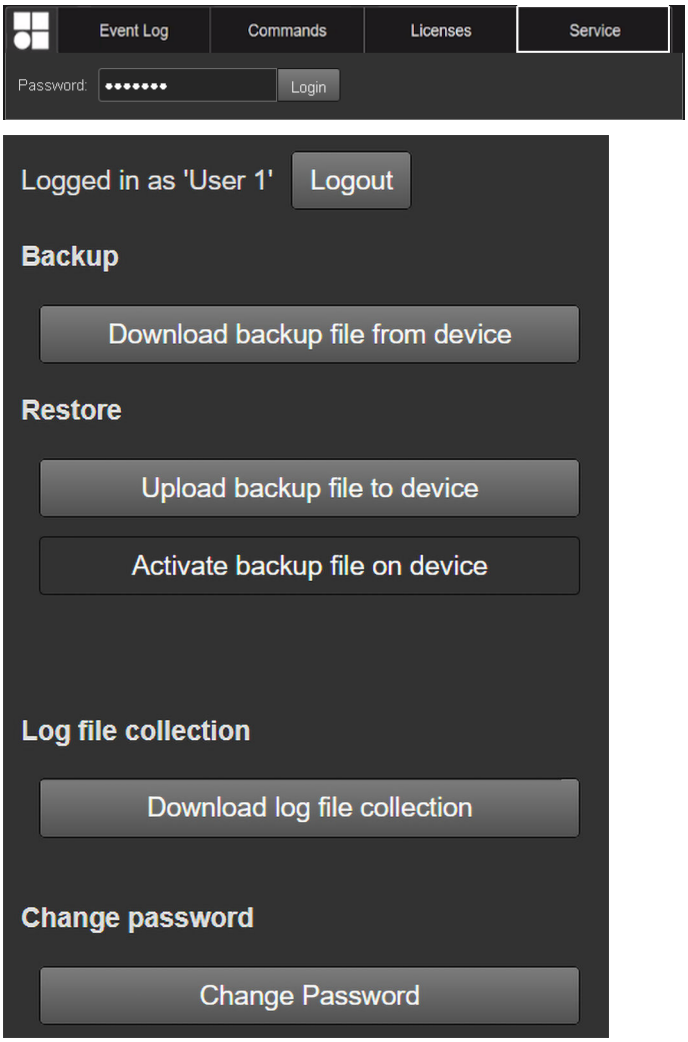
Please provide:

- the serial number of your DS110
- the «CmContainer» number of your DS110 (please also refer to ⇒ Chapter 5.4.3 " Licenses tab" on page 19)
- an email address that will be your login name to the license portal

To activate or deactivate licenses on a DS110, please go to «**My Licenses**» and follow the on-screen instructions. You will need network access to the DS110 in question because you will need to download files from and upload files to it.

You can also add more users to your license portal to give them access to your licenses, e.g., your warehouse logisticians. To do that, go to «**My Group – Users**».

When creating new users, you have the option to assign them an "admin" role, which means they as well can create and delete users. Please consider whether any given additional user should have this role.



5.4.4 Service tab

The «Service» tab provides a «Backup»/«Restore» function for the complete device configuration.

> **Note:** Backups can only be restored on devices of the same type and that have a matching firmware version.
> Please note that this function does not backup and restore licenses such as En-Scene or En-Space.

Login

To access the service functions, you first have to log in.

If the device is locked by password protection, use the corresponding password to log in. If no password protection is applied, use "dbaudio" as a password.

Backup

⇒ Select the «Download backup file from device» button to store the backup file (*.backup) locally.

↳ Your web browser will display the corresponding dialog and the file will be saved to the local download directory you have specified in the download settings of your browser.

Restore

1. Select the «Upload backup file to device» button to upload the backup file onto the device.

   ↳ Your web browser will display the corresponding dialog.

   Once the backup file is uploaded, the «Remote ID» and «IP settings» become accessible and can be edited, if necessary by simply clicking into the corresponding input field..

2. As a final step, select the «Activate backup file on device» button to apply the backup and remote settings.

Log file collection

For service or trouble shooting purposes, a log file collection can be downloaded.

⇒ Select the «Download log file collection» button to store the collection file (*.logpack.) locally.

↳ Your web browser will display the corresponding dialog and the file will be saved to the local download directory you have specified in the download settings of your browser.

Logout

To exit the «Service» tab functions, click the «Logout» button at the top.

6.1 Service

CAUTION!
Potential risk of explosion.

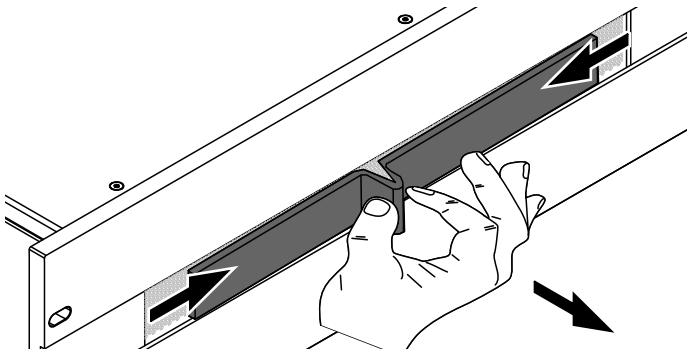
The device incorporates a lithium battery which may cause danger of explosion if not replaced correctly.
Refer replacement only to qualified service personnel authorized by d&b audiotechnik.

Do not open the device. No user serviceable parts inside. In case of any damage do not operate the device under any circumstances.
Refer servicing only to qualified service personnel authorized by d&b audiotechnik. In particular if:

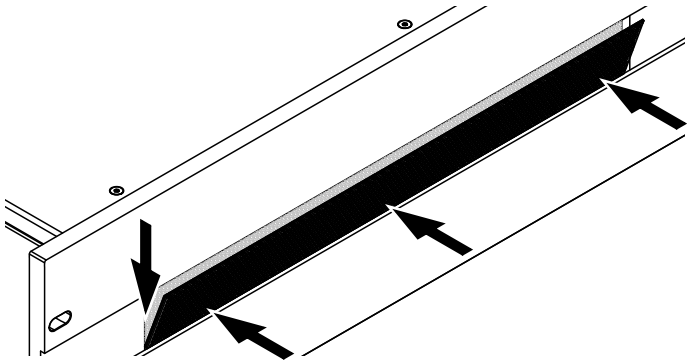
- objects or liquids have entered the device.
- the device does not operate normally.
- the device was dropped or the housing is damaged.

6.2 Maintenance and care

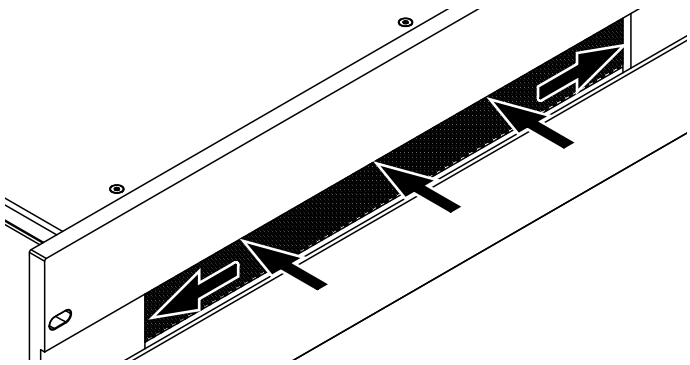
The air-intake at the front of the device is covered by a mesh filter inlay. To ensure proper cooling, the mesh filter should be regularly cleaned from dust and moisture.
For this purpose, proceed as follows:



1. Grab and pull out the mesh filter inlay as shown in the graphic opposite.
2. Clean the filter from any dust and moisture.



3. Insert the filter inlay to the bottom edge of the air-intake slot.



4. Push in the top edge of the filter inlay and spread out the filter inlay to both sides as shown in the graphic opposite.
5. Finally ensure the filter inlay is properly fitted in place.

7.1 Declaration of Conformity

This declaration applies to:

d&b Z4103 DS110 Processing Engine

by d&b audiotechnik GmbH & Co. KG.

All product variants are included, provided they correspond to the original technical version and have not been subject to any later design or electromechanical modifications.

We herewith declare that said products are in conformity with the provisions of the respective directives including all applicable amendments.

Detailed and applicable declarations are available on request and can be ordered from d&b or downloaded from the d&b website at www.dbaudio.com.

7.2 WEEE Declaration (Disposal)

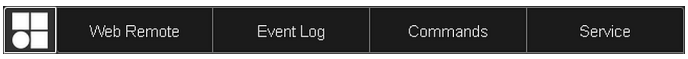
Electrical and electronic equipment must be disposed of separately from normal waste at the end of its operational lifetime.

Please dispose of this product according to the respective national regulations or contractual agreements. If there are any further questions concerning the disposal of this product, please contact d&b audiotechnik.

WEEE-Reg.-Nr. DE: 13421928

7.3 Licenses and Copyright

This device includes software components released under different open source licenses. These components are supplied together with the d&b firmware.



⇒ Selecting the d&b logo at the top left of the «Web Remote» interface page allows access to the «Software licenses and copyright» information page.

This page provides an overview of the open source software used in this product. As required by the GPL and LGPL licenses, we will send you a copy of the used source code on request. If you would like to obtain a copy, please contact us by mail to: software.support@dbaudio.com

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