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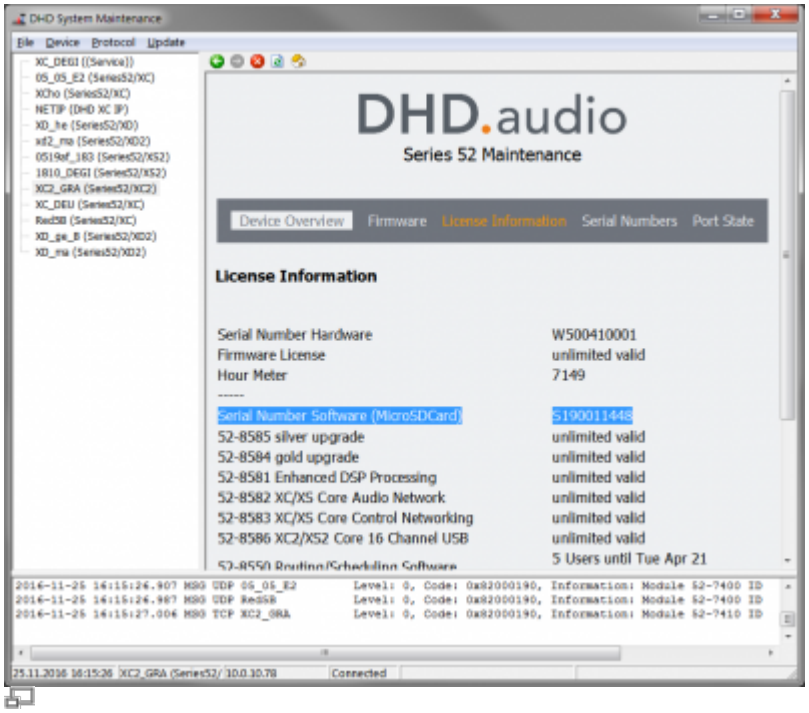
MicroSD Card

A micro SD card is included in the following devices:

- 52/XC Cores (52-740xC or later),
- 52/XC2 Cores,
- 52/XD Cores,
- 52/XD2 Cores,
- 52/XS Cores (52-180xC or later)
- 52/XS2 Cores



Maintenance window showing the Serial Number (Sxxxxxxxxx) that is required for licensing

This card acts as a dongle and the **licenses stored on the microSD card are bound to the internally stored serial number (Sxxxxxxxxx) of this microSD card**. The SNxxxxx number printed on the hologram label (hologram reference number) is only required in case of a microSD card failure to restore the licenses.

Note
It could happen that the microSD serial number appears as a negative value with format **S-xxxxxxxxx** in the Maintenance window. This is caused by an error on the Maintenace webpage - the microSD card itself is not affected!
This issue **"Maintenance Page: MicroSD Card Serial Number could appear as negative value"** is fixed since the following firmware versions:

- 8.1.44
- 8.2.8

A firmware update is recommended in this case.

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MicroSD card from DHD with hologram label and its hologram reference number

MicroSD card, side with pins.

All available software licenses and feature upgrade licenses are stored on the microSD card. This includes the following licenses:

52-8511 - PC TFT View Software
52-8550 - Routing/Scheduling Software
52-8551 - Routing Software
52-8552 - Routing Software, single matrix
52-8553 - Additional license for 52-8550
52-8554 - Additional license for 52-8551
52-8555 - Monitoring Software
52-8562 - Snapshot Manager Software
52-8563 - Remote Control Software
52-8564 - Remote Control Software, float.
52-8565 - DSP Control Software
52-8566 - DSP Control Software, float.
52-8571 - Pro-Bel Protocol SW-P-02
52-8572 - ESAM-II control protocol
52-8575 - MIDI Protocol Converter Software
52-8581 - Enhanced DSP Processing
52-8582 - XC/XS Core Audio Network
52-8583 - XC/XS Core Control Networking
52-8584 - XC2 Core Gold upgrade
52-8585 - XC2 Core Silver upgrade
52-8591 - SNMP Support for DHDOS

The microSD card also includes the firmware, the configuration and snapshots of this core device.

In case of a replacement of the core device, it is only required to put the microSD card from the installed device to the replacement device (which has to be the same device type as the device that will be replaced). When the replaced core device will be switched on, it will boot with the last configuration state as the first device.

Note
Only the microSD cards delivered by DHD can be used.

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It is possible to copy the content of the microSD card, but the licenses will not work on this copy because they depend on the internal unique serial number of the microSD card.

Warning
In case of a microSD card failure, the microSD card needs to be returned to DHD!
Do NOT throw away the microSD card!
Do NOT remove the hologram label with the hologram reference number (SNxxxxx)!
In the event of loss of the microSD card, the licenses will not be replaced.

Position at Core devices

In the following pictures you can see the position of the microSD card slot at each core.

Device	Location of the microSD Card and microSD card orientation	Picture
52/XC2 Core 52-7420, 52-7410	At the left side of the core. • Insert the micro SD card with pins on the top side	

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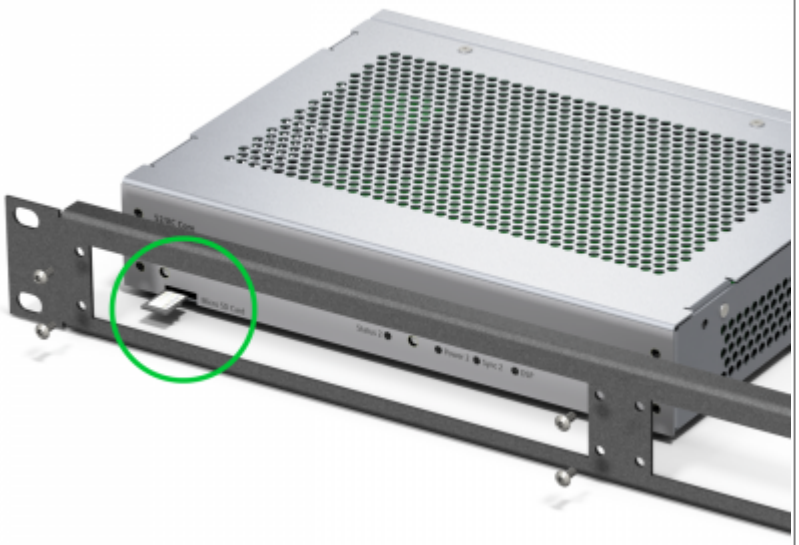
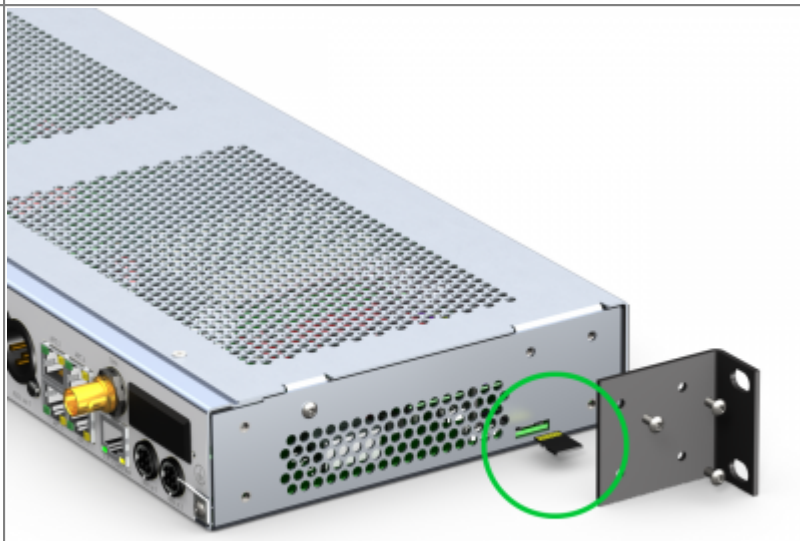
52/XC Core 52-740xC or later	At the front panel of the core, behind the 19“-Adapterpanel. • Insert the micro SD card with pins on the bottom side	
52/XS2 IO Core 52-1830	At the left side of the core, behind the rack mount bracket. • Insert the micro SD card with pins on the top side	

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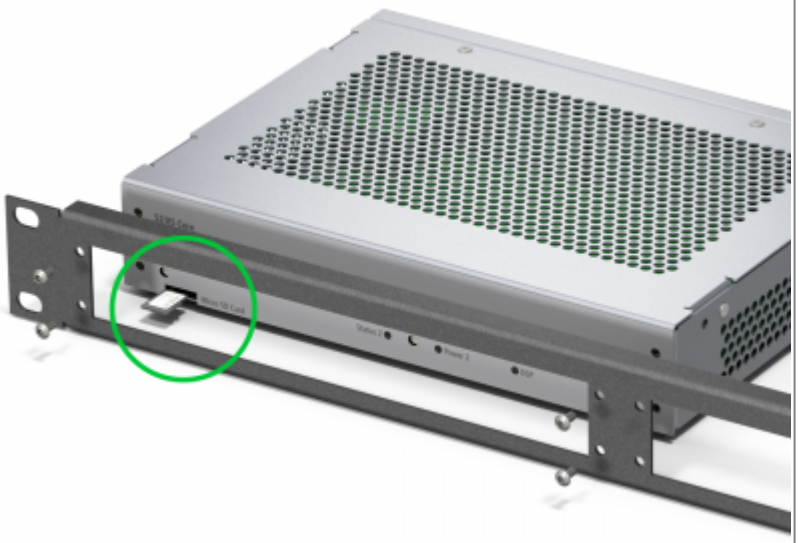
52/XS2 Core 52-1810	At the left side of the core. • Insert the micro SD card with pins on the top side	
52/XS Core 52-180xC or later	At the front panel of the core, behind the 19”-Adapterpanel. • Insert the micro SD card with pins on the bottom side	

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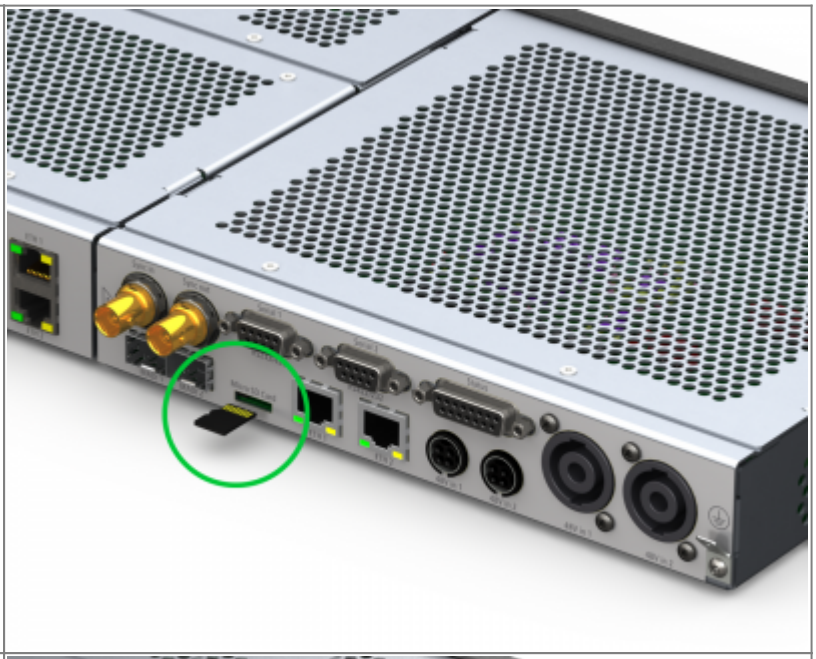
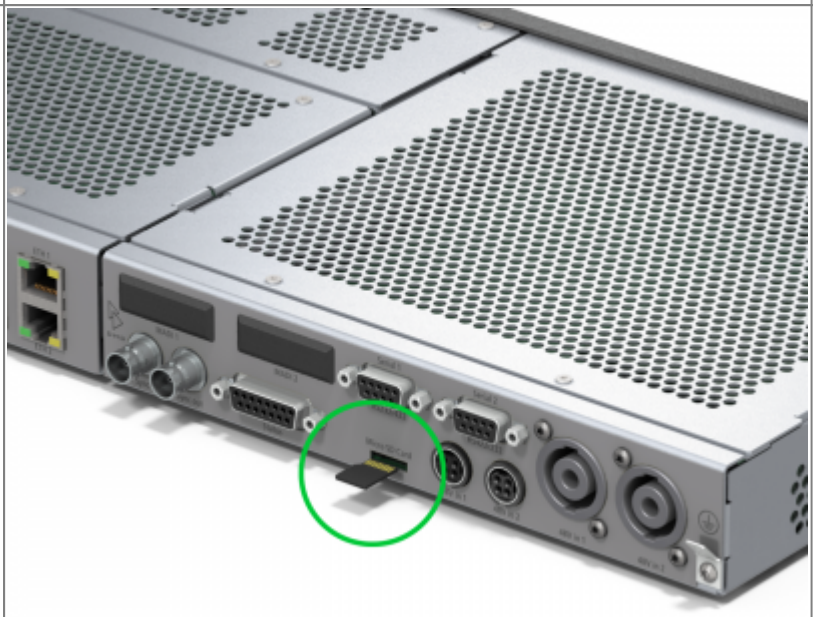
52/XD2 Core with 52-7456 XD2 Controller	At the rear panel of the core. • Insert the micro SD card with pins on the top side	
52/XD Core with 52-7450 XD Controller	At the rear panel of the core. • Insert the micro SD card with pins on the top side	

Important
The microSD card needs to be plugged into the Core device for operation.
The pin orientation is different between the different core types:
• **52/XC Core and 52/XS Core:** insert the microSD card with **pins on the bottom side**
• **52/XC2 Core, 52/XS2 Core, 52/XD2 core and 52/XD Core:** insert the microSD card with **pins on the top side**

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