

## Series 52

# 52/TX Mixing Console Bundle Information

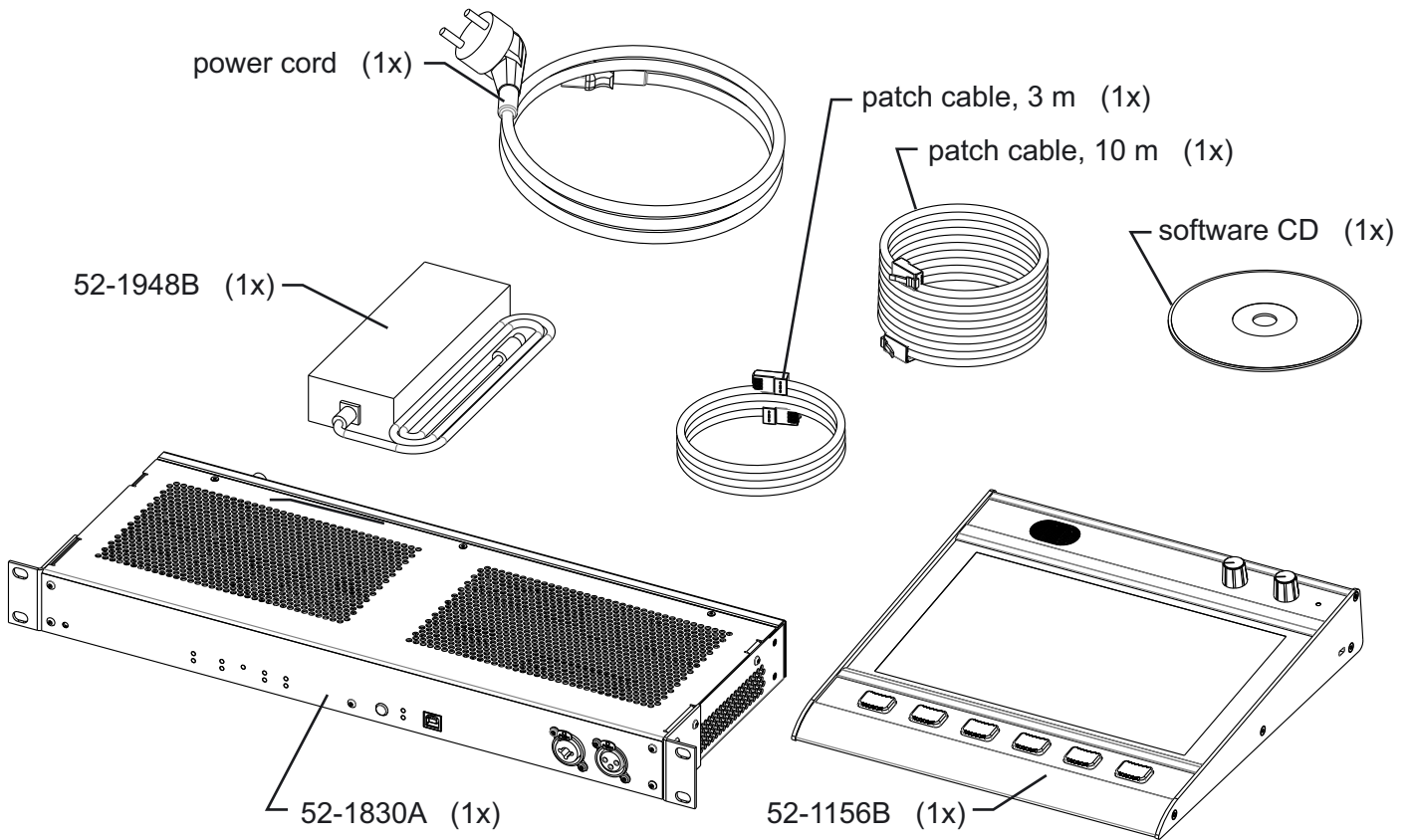
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Version: 1.1.0



# 52-1996C - TX Bundle

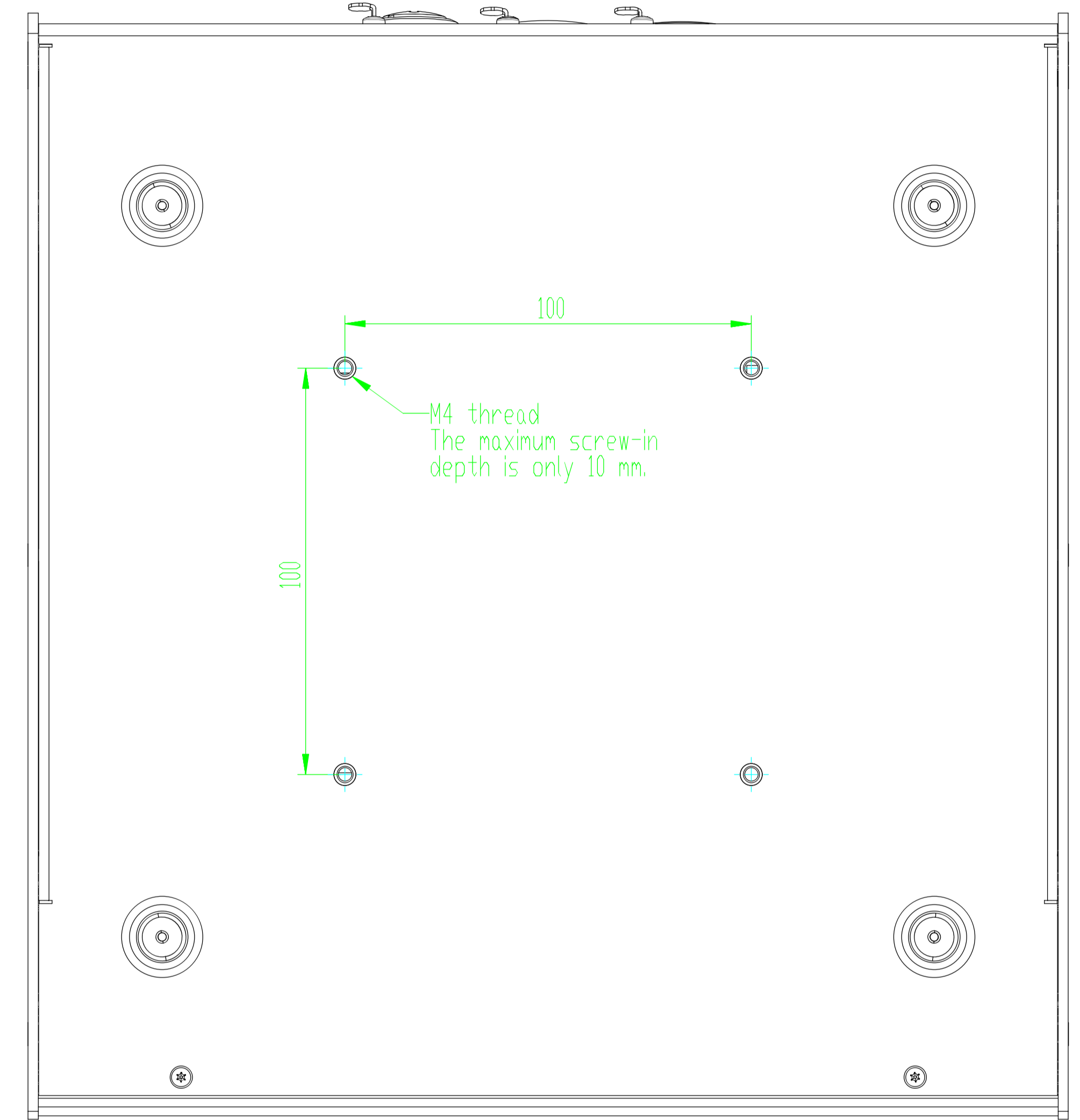
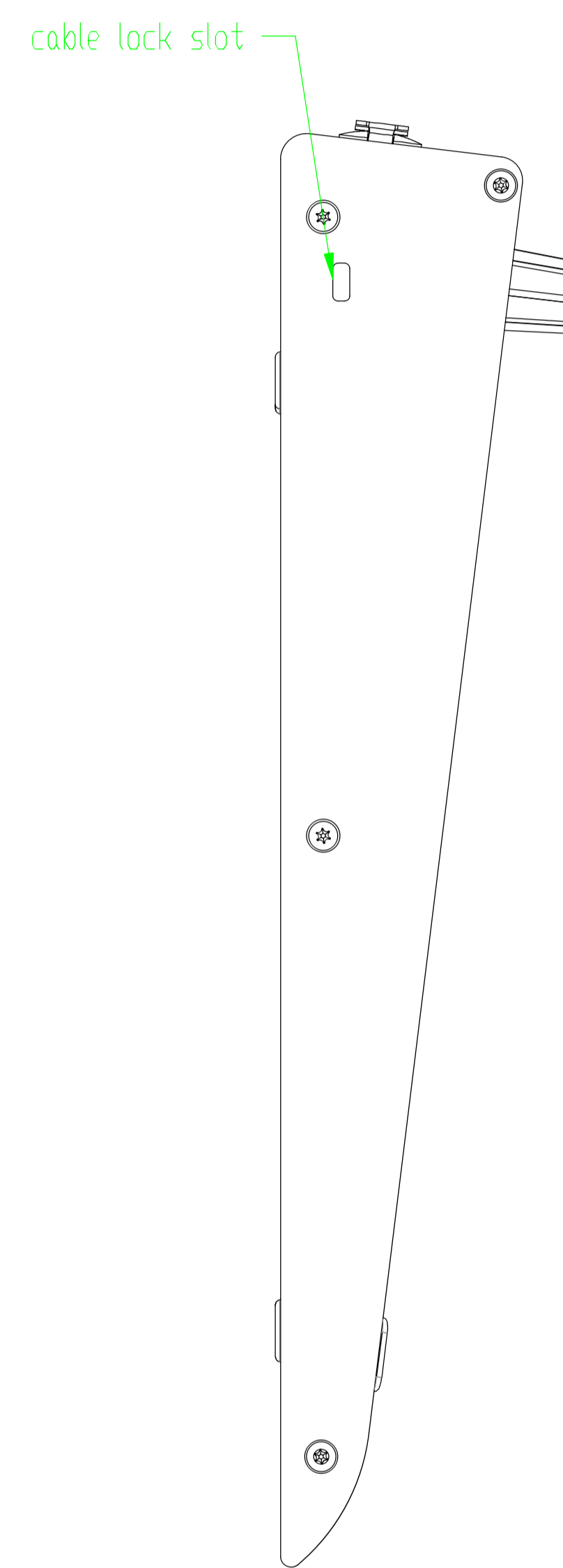
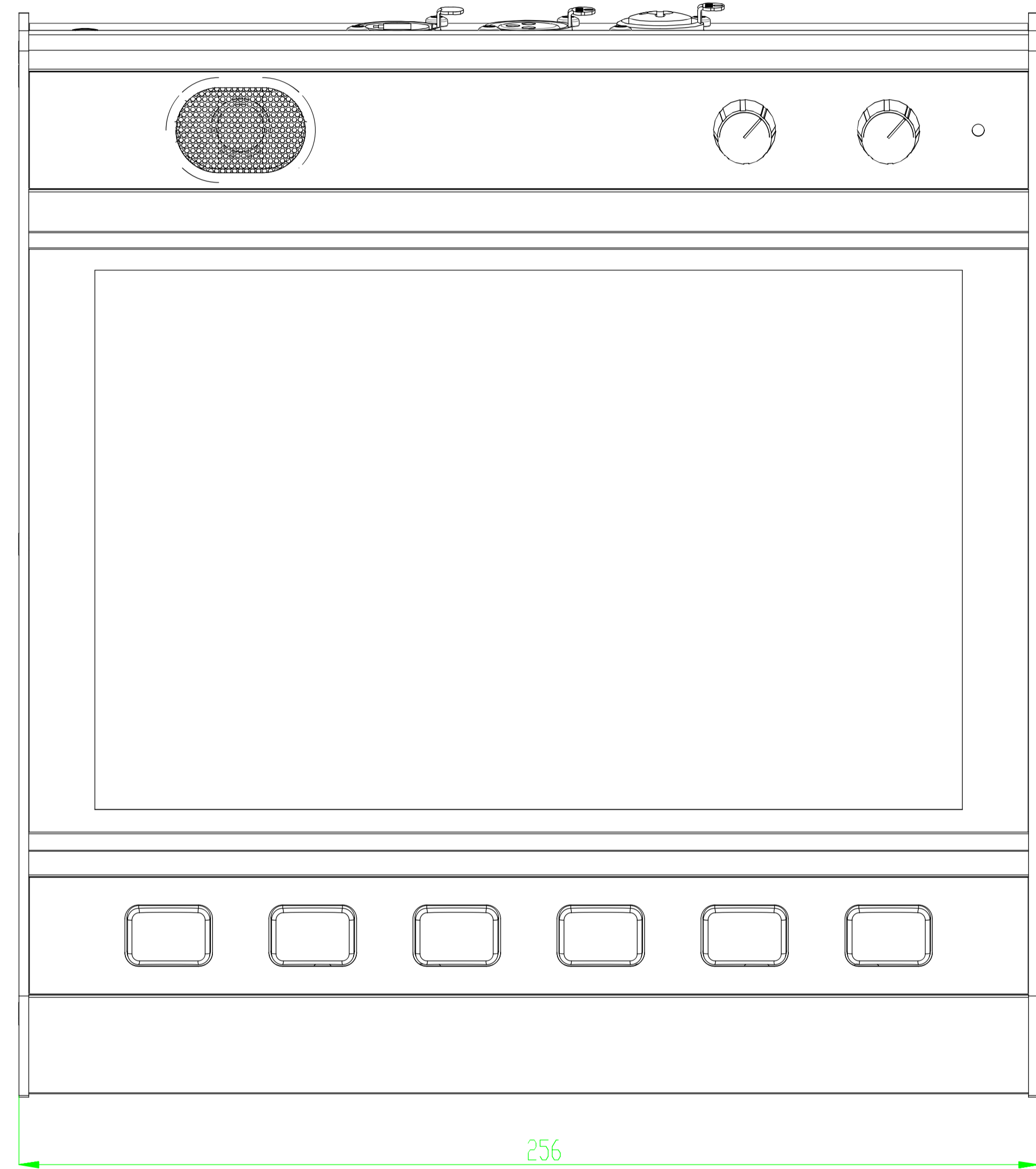
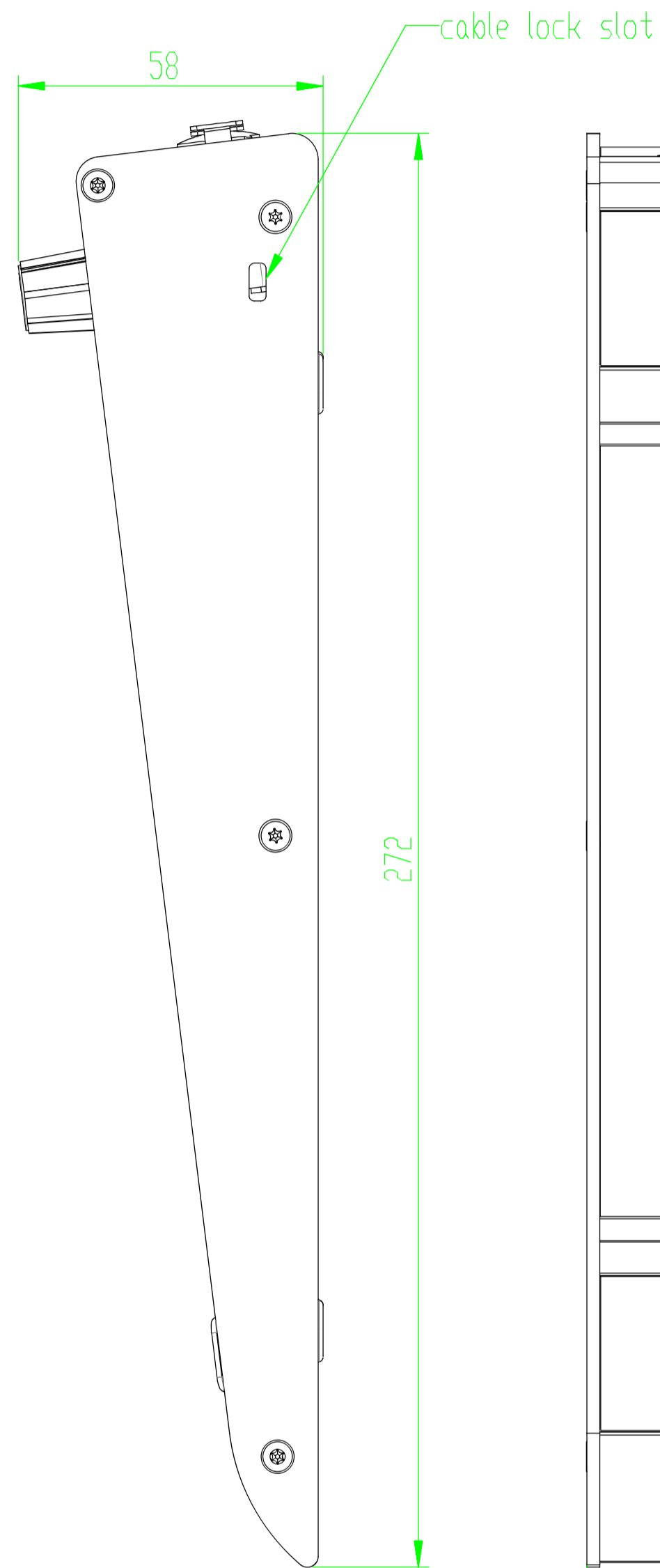
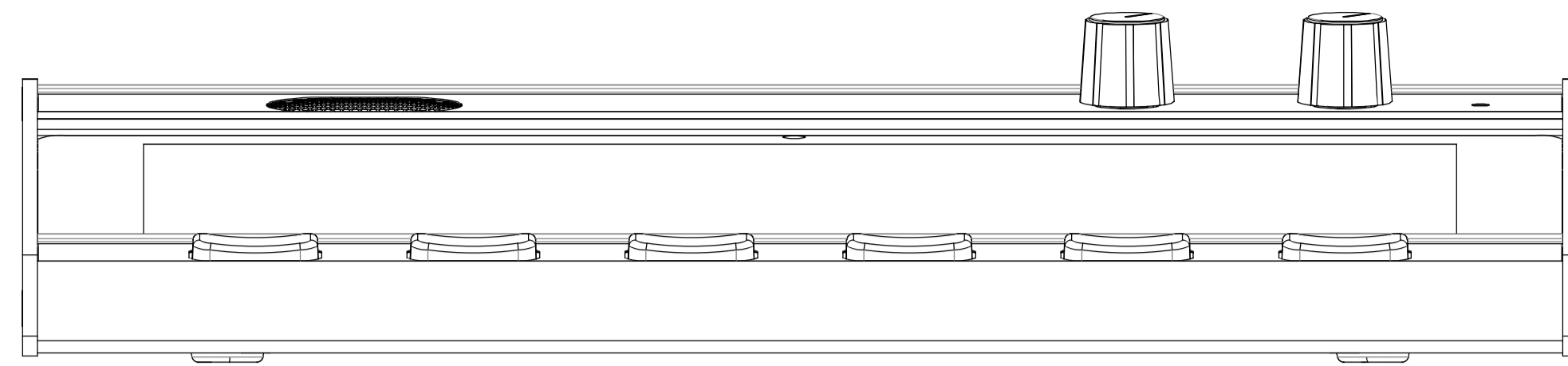
## Package content:



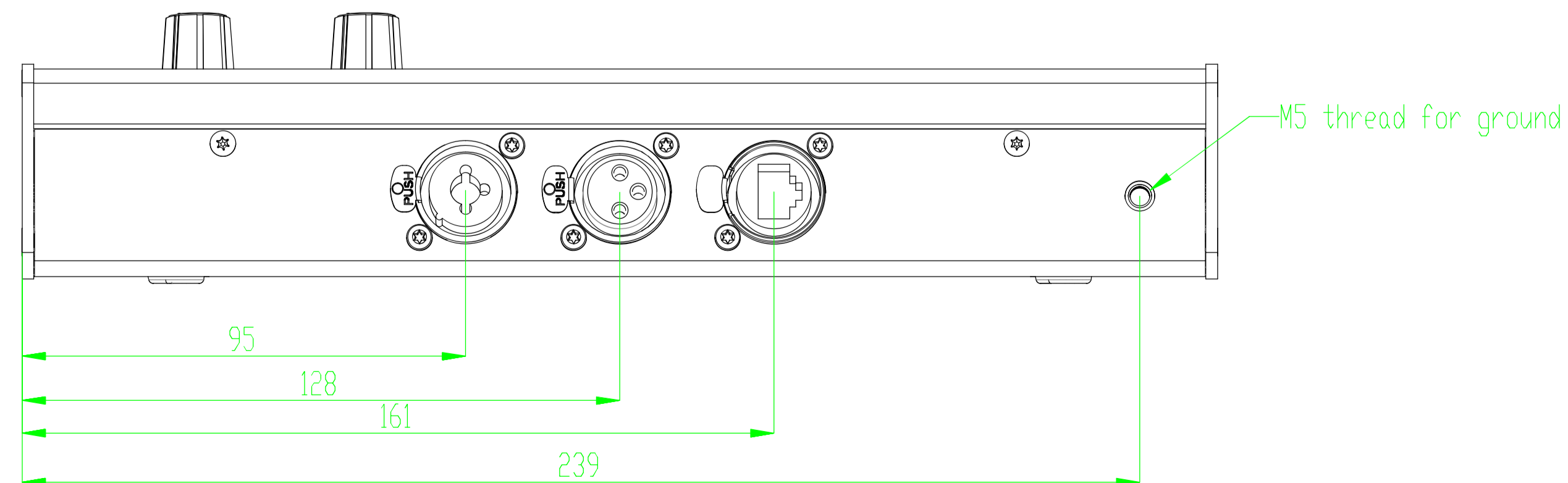
part nr.	name	qty.
52-1156B	TX Multitouch Mixer	1x
52-1830A	XS2 I/O Core	1x
52-1948B	Power Supply 48V/100W	1x
52-1950	Extended Feature Upgrade	1x
--	Power cord	1x
--	Patch cable, CAT5, 3m	1x
--	Patch cable, CAT5, 10m	1x
--	Software CD	1x

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Rearview



	<small>                 DWS                  DWS Engineering GmbH                  Industriestraße 1                  44799 Adenau                  Germany                  Phone: +49 241 581230                  Fax: +49 241 581232                  Email: dws@dwsgroup.com                  Internet: www.dws.com             </small>		scale: 1:1 (DIN A1-size)	
	Beorb.	Date	Name	52/TX dimension 52-1156B
	Gepr.			
	Norm			
			52-1156b_dimension.stdrw	

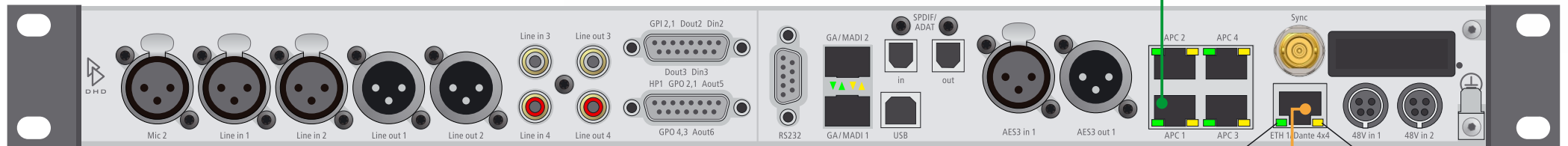
# Cabling Example - 52-1996C

**Important note:**  
 Use minimum **Firmware version 08-01-00** and **Toolbox8 version 8-01-00** or the version on the CD supplied with the console, which may be a later version.

52/TX Multitouch Mixer  
52-1156



APC 1... APC 4



XS2 I/O Core  
52-1830

Gigabit Ethernet  
1 Gbit/s  
Link/Activity

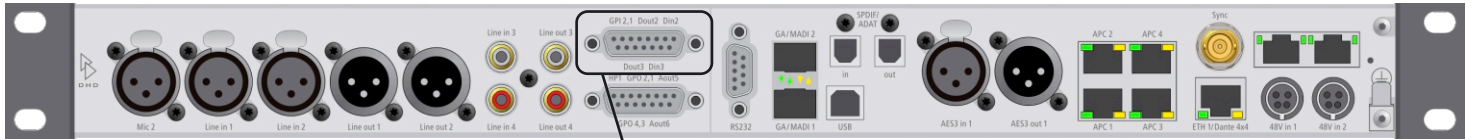
Fast Ethernet  
100 Mbit/s  
Link/Activity

DHD Network, TCP/IP  
external control option,  
maintenance (configuration)  
& Dante 4/4 channel interface

- DHD Network, Ethernet CAT5/6
- APC - Audio, Power, Control, Ethernet CAT5/6

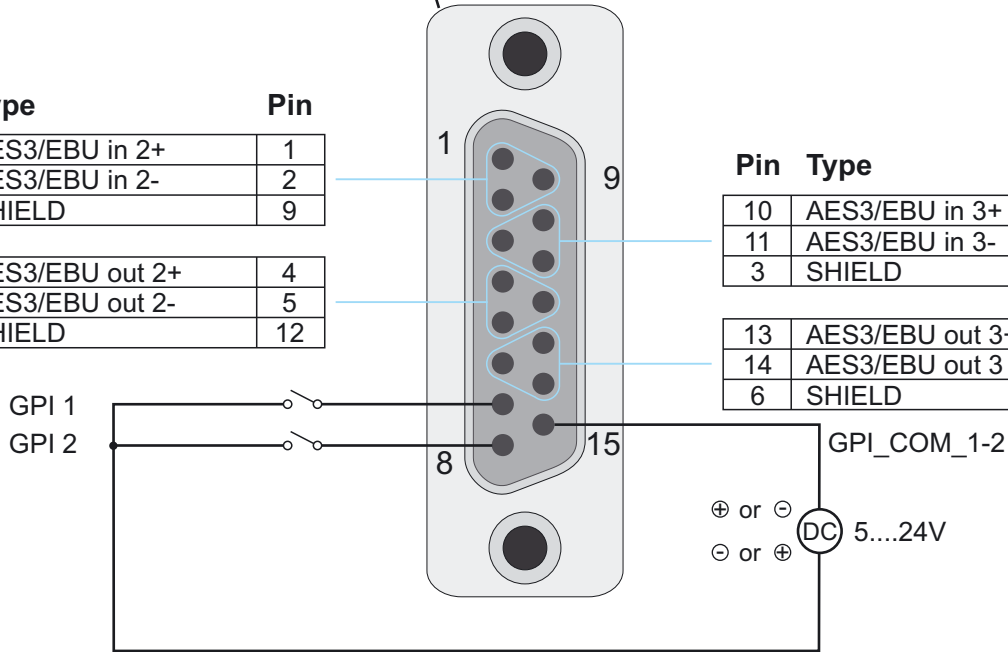
# 52-1830 Pin Assignment

## D-Sub 15 - upper connector



Label	Type	Pin
Din2	AES3/EBU in 2+	1
	AES3/EBU in 2-	2
	SHIELD	9
Dout2	AES3/EBU out 2+	4
	AES3/EBU out 2-	5
	SHIELD	12

Pin	Type	Label
10	AES3/EBU in 3+	Din3
11	AES3/EBU in 3-	
3	SHIELD	
13	AES3/EBU out 3+	Dout3
14	AES3/EBU out 3-	
6	SHIELD	



GPI - general purpose input  
GPO - general purpose output

### Notes:

GPI and GPO sections are isolated from each other and from the modules internal circuits.

GPI section uses common wire GPI\_COM for GPI 1 and GPI 2.

Polarity of DC between GPIs and GPI\_COM is not relevant.

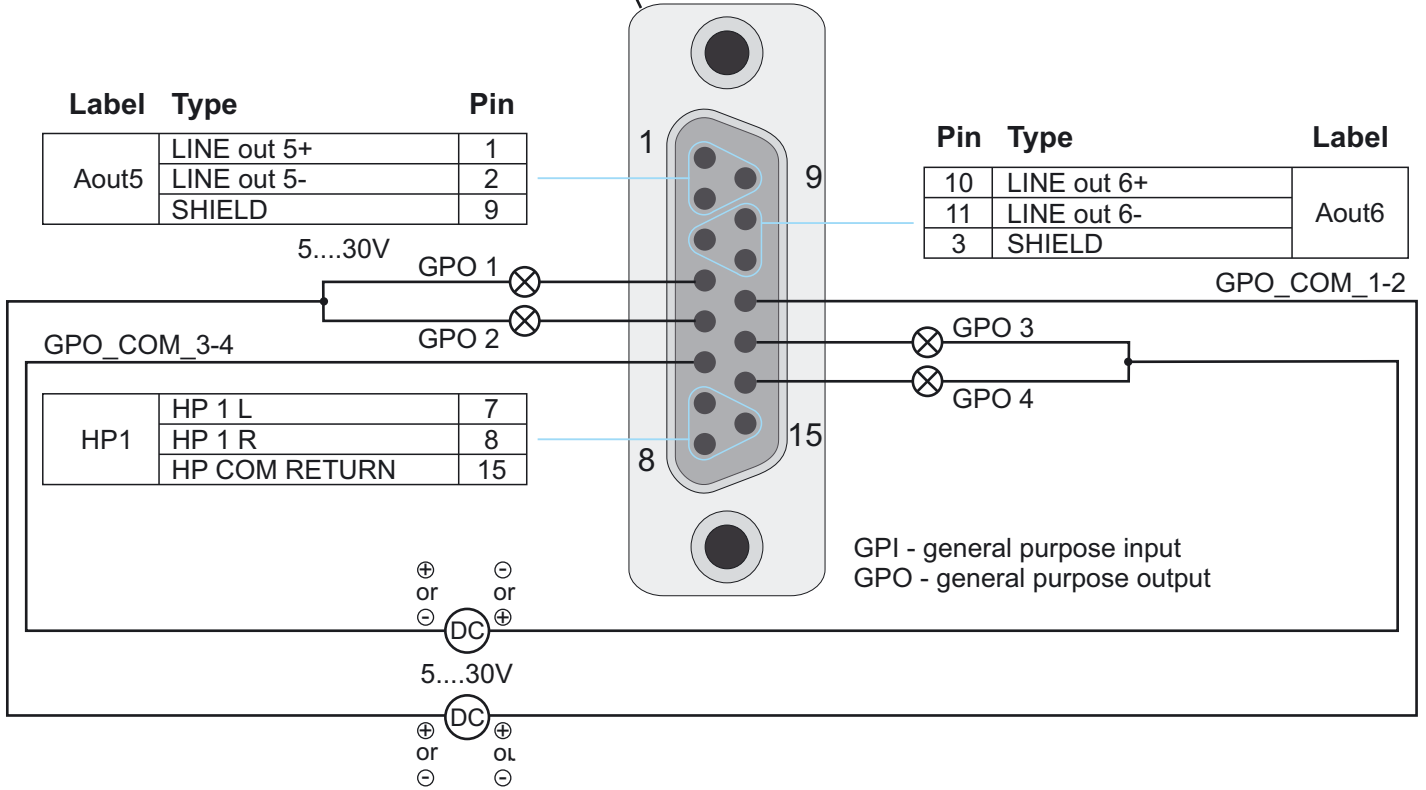
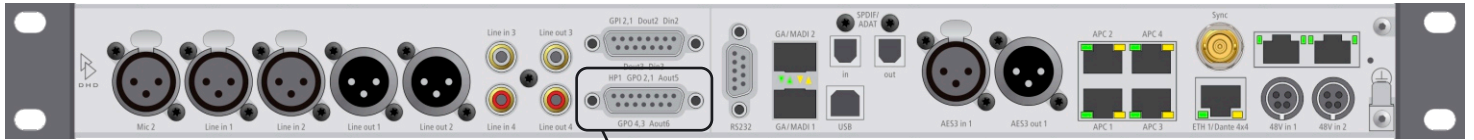
GPI: ON voltage 5 V ... 24 V (DC) without external resistor, internal current limiter to 4 mA current for ON, OFF voltage: 0 V ... + 1.5 V

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# 52-1830 Pin Assignment

## D-Sub 15 - lower connector



**Notes:**

GPI and GPO sections are isolated from each other and from the modules internal circuits.

GPO section uses common wire GPO\_COM\_1-2 for GPO 1 and GPO 2 and GPO\_COM\_3-4 for GPO 3 and GPO 4.

Polarity of DC between GPOs and GPO\_COM is not relevant.

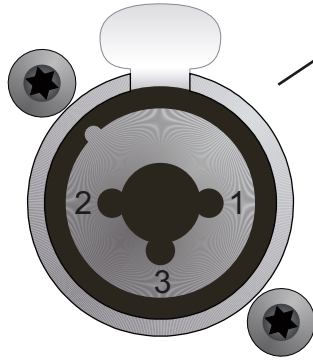
GPO: maximum rated current: 0,2A (resettable fuse), maximum peak switched voltage: 30V AC or DC

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# 52-1830 Pin Assignment

## Headphone connector



1/4" stereo jack	Type	XLR Pin
Sleeve	HP COM RETURN	1
Tip	HP 1 L	2
Ring	HP 1 R	3

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## 52-1830 USB port

The USB audio port at the front panel is a fully functional digital stereo input and output. Connected to a PC or Mac, each USB audio port is recognised as an USB audio device, which can be used for playback and recording in every audio software.



### Important

This USB audio port can not be used for maintenance or control purposes.



USB audio port

The following applies to the front USB audio port:

- 1 stereo input, sample rate converter
- 1 stereo output, sample rate converter (linked to associated input if activated in Toolbox)
- full-speed transceivers
- compliant with USB 2.0 specification
- self-powered USB circuit
- default Windows or Mac USB audio device driver is used, no additional driver required
- iOS devices with version 7.0 or higher can be connected via a camera connection kit for playback and recording

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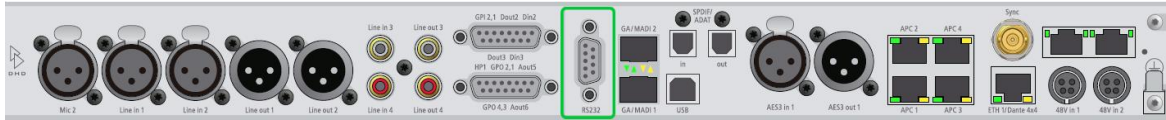
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# Serial Connectors 52/XS2

## 52/XS2 Cores (52-1830, 52-1810)

The 52/XS2 Cores (52-1801 and 52-1804) provide one serial port. The Serial port on the rear of the core is a RS232 port and can not be changed to RS422.



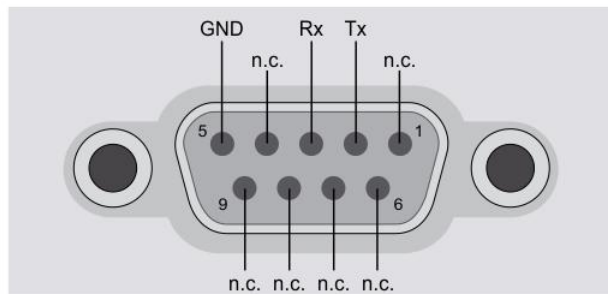
52-1830 XS2 Core - rear view with one serial RS232 port



52-1810 XS2 Core - side view with one serial RS232 port

You can find the pin assignment for the female RS232 port on the core in the following drawing:

RS232 - DSub-9 female connector on core



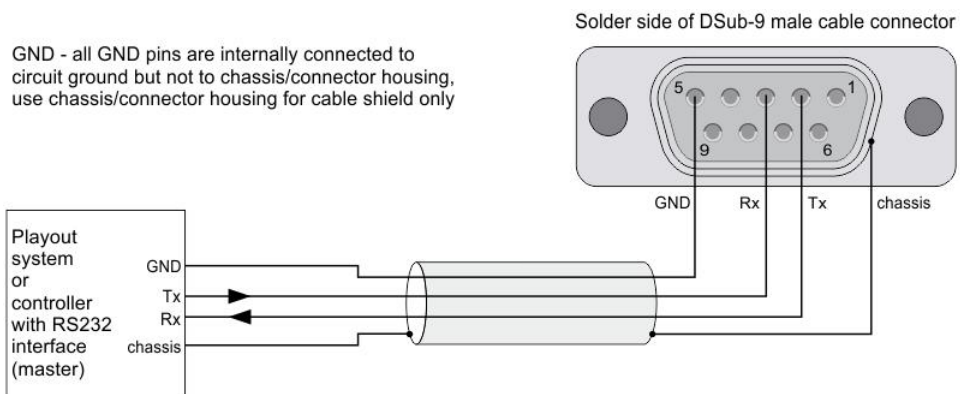
GND - all GND pins are internally connected to circuit ground but not to chassis/connector housing, use chassis/connector housing for cable shield only

n.c. - internally not connected

Pin assignment of the RS232 port on the core

With that pin assignment a standard extension cable (uncrossed) can be directly connected to a PC.

You can find the pin assignment for a **RS232 cable connector** in the following drawing:



Pin assignment for the RS232 cable connector