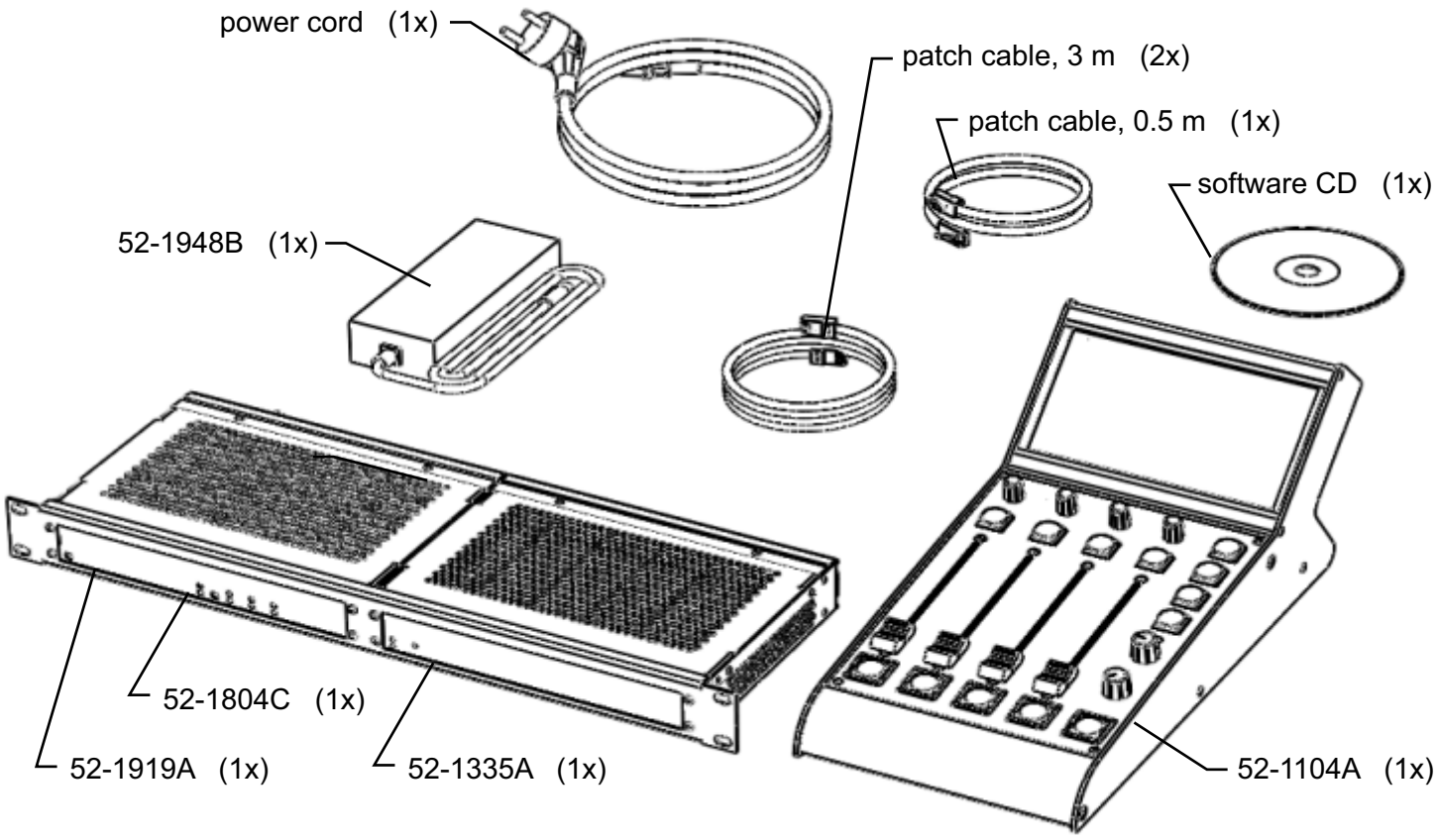
Series 52

52/DX Mixing Console Bundle Information

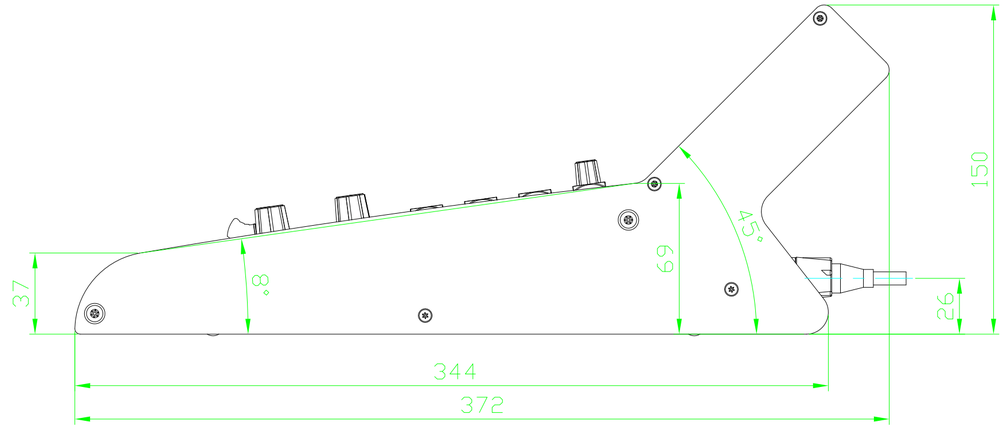
Version: 1.4.0

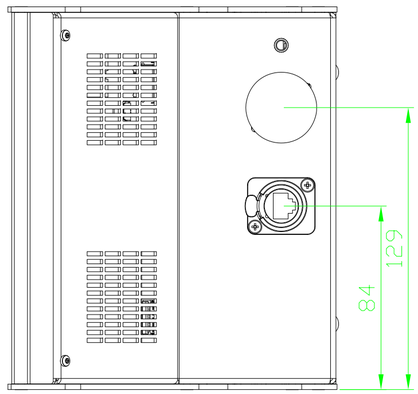
52-1991C - DX Bundle

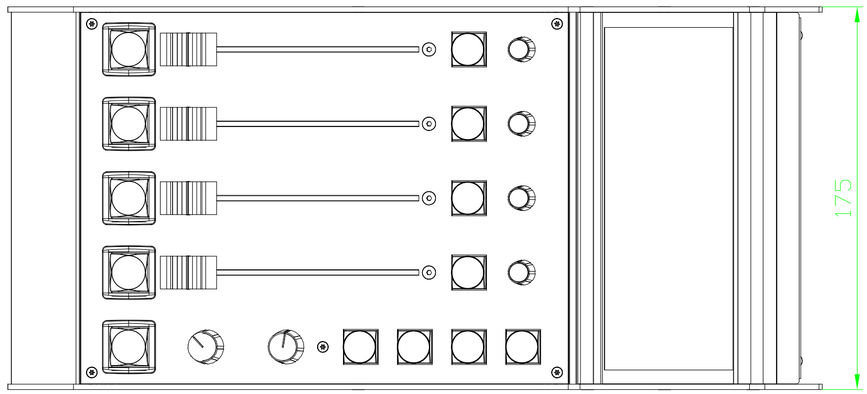
Package contents:

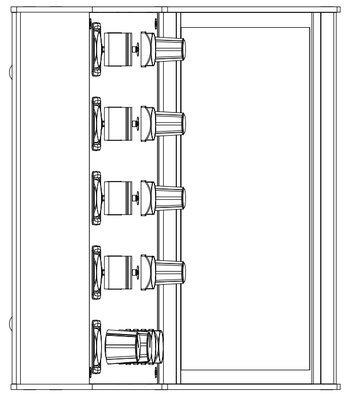


part nr.	name	qty.
52-1104A	DX Dexktop Mixer	1x
52-1335A	XS Multi I/O Box	1x
52-1804C	XS Core	1x
52-1919A	XS 19" Adapterpanel	1x
52-1948B	Power Supply 48V/100W	1x
--	Power cord	1x
--	Patch cable, CAT5, 3m	2x
--	Patch cable, CAT5, 0.5m	1x
--	Software CD, DX Config	1x









DHD GmbH
Haferkornstraße 5
04129 Leipzig / Germany
Phone: + 49 341 5897020
Fax: + 49 341 5897022

Name: Miethling | Date: 17.08.2011

File: 52-1104_dimension.dwg

Scale 1:2 (DIN A2)

52/DX Desktop Mixer
Dimension of 52-1104

52-1104

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Cabling Overview - Example 52/DX and 1 XS Multi-I/O Box

52/DX Desktop Mixer
52-1104

APC 1

XS Multi-I/O Box 1 (or XC I/O Boxes)
52-1330/52-1335

APC 4

DHD Network, TCP/IP
external control option,
maintenance (configuration)

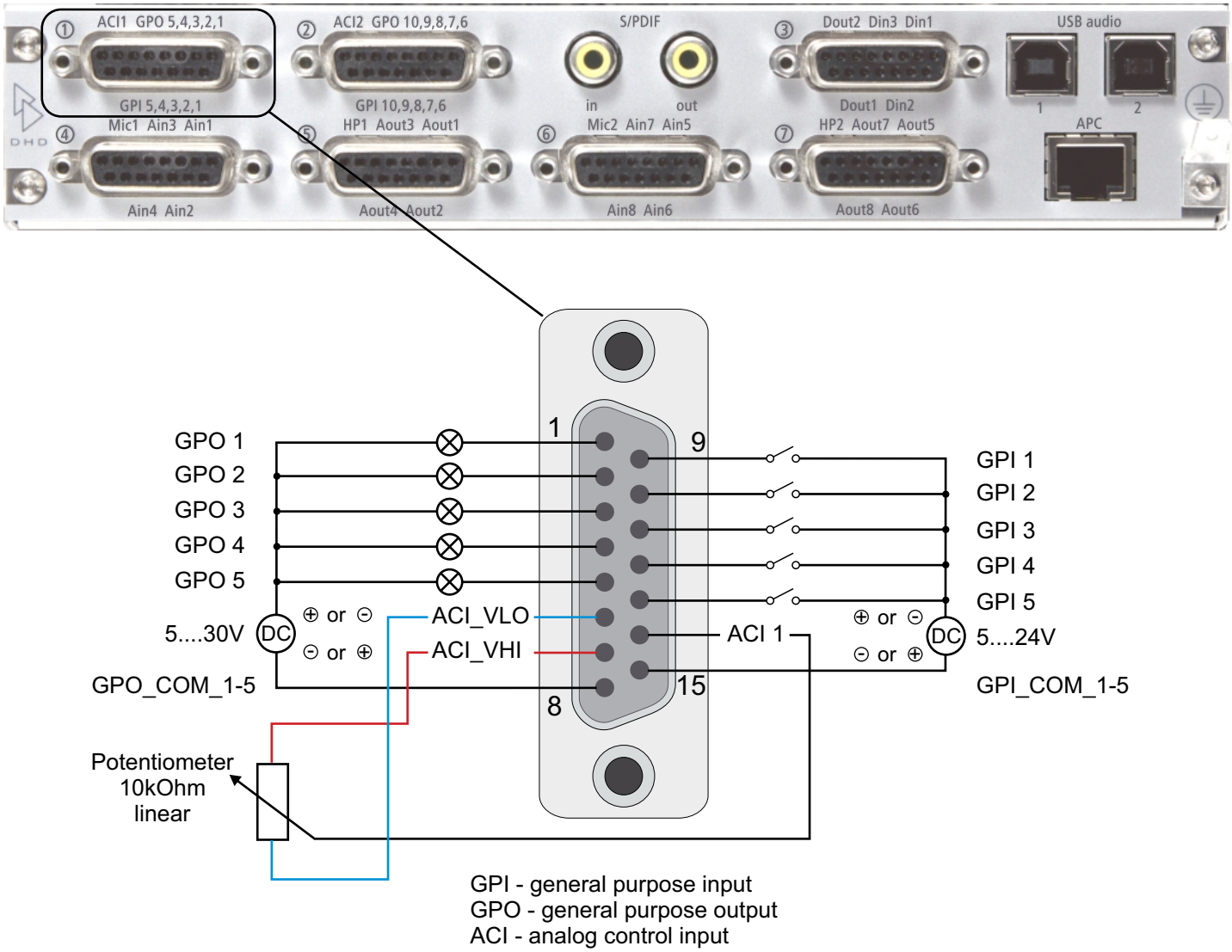
XS Core
52-1804

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

FM; 13.03.2014; File: 52dx_cabling_1Multi-IO_2.cdr

52-1335 Pin Assignment

D-Sub 15 - connector 1



Notes:

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

GPI section uses common wire GPI_COM for all 5 GPIs.
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

GPO section uses common wire GPO_COM for all 5 GPOs.
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

Do not use any of the ACI signals for other purposes than wiring to the potentiometer!

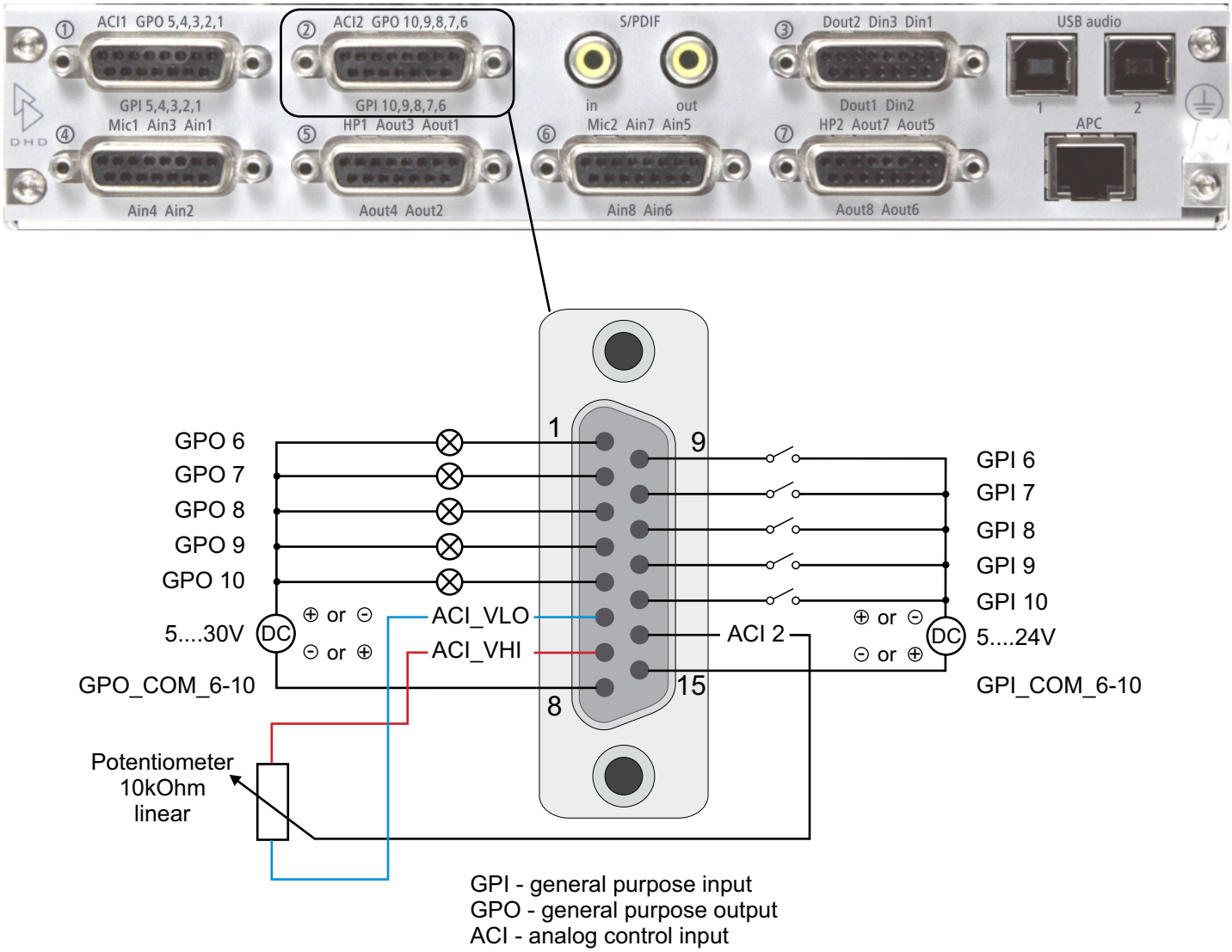
ACI_VLO must not be connected to chassis, housing, earth, shield or other common signals!

The potentiometer must have a resistance value of 10kOhms (linear)!

ACI_VHI, ACI_VLO of connectors 1 and 2 are internally connected.

52-1335 Pin Assignment

D-Sub 15 - connector 2



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GPO section uses common wire GPO_COM for all 5 GPOs.
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

Do not use any of the ACI signals for other purposes than wiring to the potentiometer!

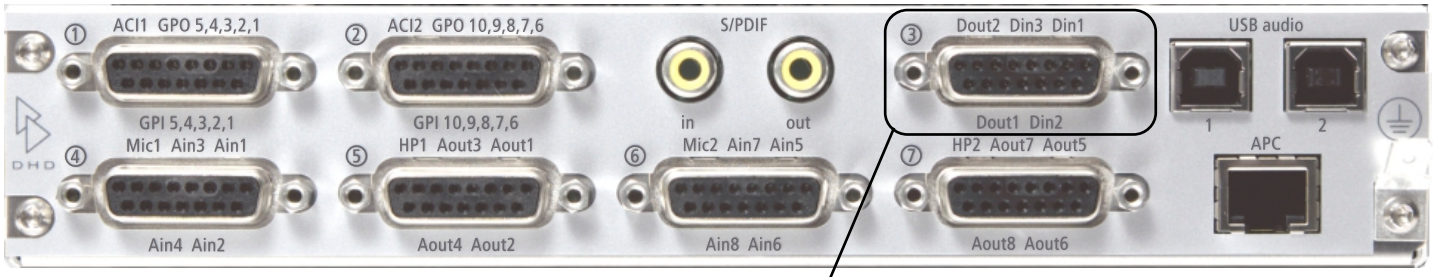
ACI_VLO must not be connected to chassis, housing, earth, shield or other common signals!

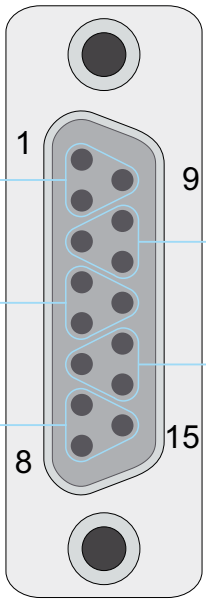
The potentiometer must have a resistance value of 10kOhms (linear)!

ACI_VHI, ACI_VLO of connectors 1 and 2 are internally connected.

52-1335 Pin Assignment

D-Sub 15 - connector 3



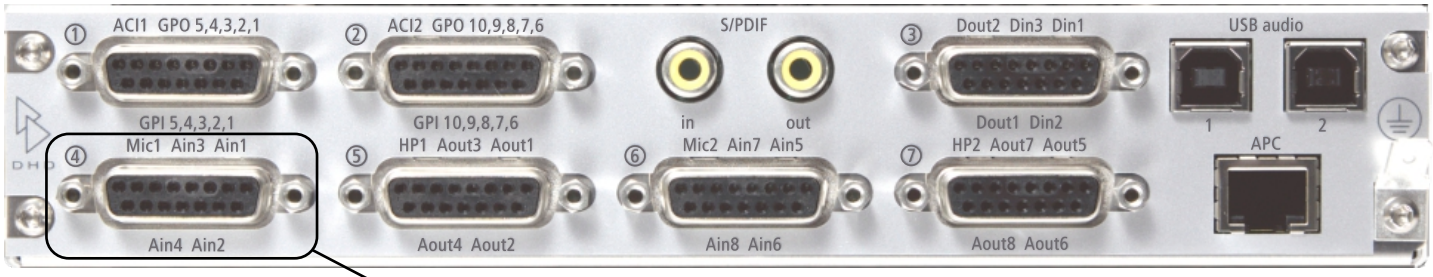


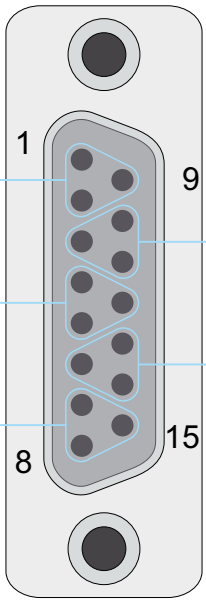
Label	Type	Pin
Din1	AES3/EBU in 1+	1
	AES3/EBU in 1-	2
	SHIELD	9
Din3	AES3/EBU in 3+	4
	AES3/EBU in 3-	5
	SHIELD	12
Dout2	AES3/EBU out 2+	7
	AES3/EBU out 2-	8
	SHIELD	15

Pin	Type	Label
10	AES3/EBU in 2+	Din2
11	AES3/EBU in 2-	
3	SHIELD	
13	AES3/EBU out 1+	Dout1
14	AES3/EBU out 1-	
6	SHIELD	

52-1335 Pin Assignment

D-Sub 15 - connector 4



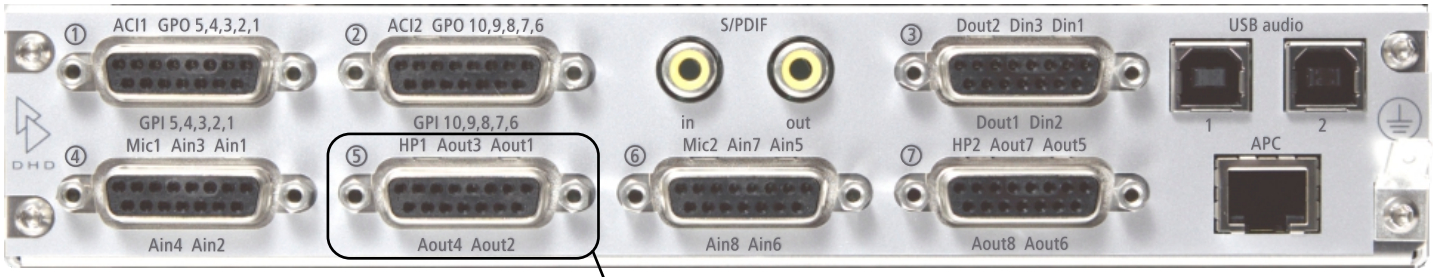


Label	Type	Pin
Ain1	LINE in 1+	1
	LINE in 1-	2
	SHIELD	9
Ain3	LINE in 3+	4
	LINE in 3-	5
	SHIELD	12
Mic1	MIC 1+	7
	MIC 1-	8
	SHIELD	15

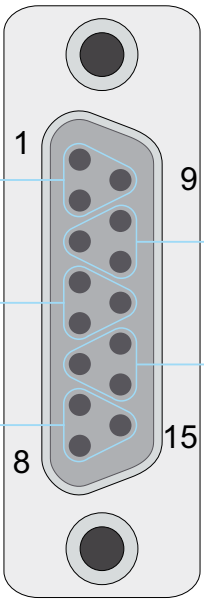
Pin	Type	Label
10	LINE in 2+	Ain2
11	LINE in 2-	
3	SHIELD	
13	LINE in 4+	Ain4
14	LINE in 4-	
6	SHIELD	

52-1335 Pin Assignment

D-Sub 15 - connector 5



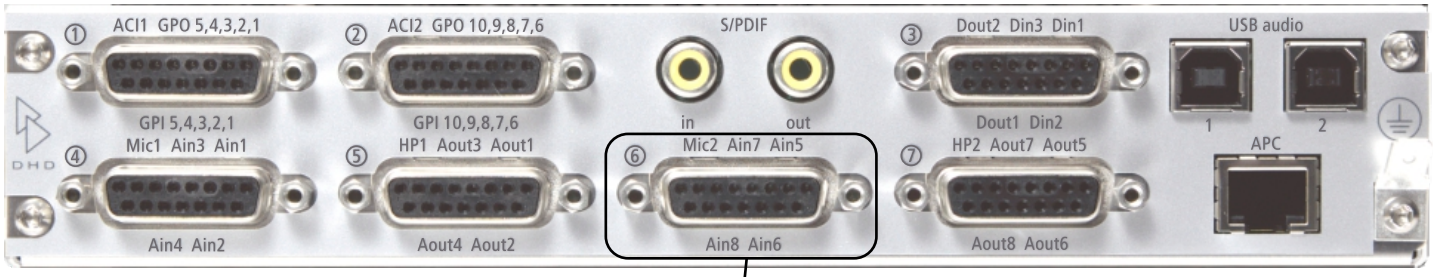
Label	Type	Pin
Aout1	LINE out 1+	1
	LINE out 1-	2
	SHIELD	9
Aout3	LINE out 3+	4
	LINE out 3-	5
	SHIELD	12
HP1	HP 1 L	7
	HP 1 R	8
	HP COM RETURN	15

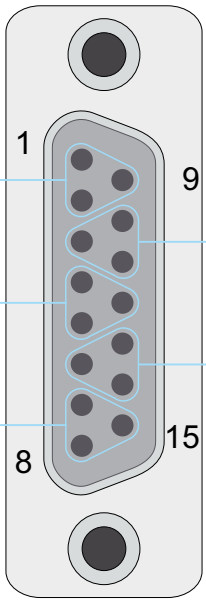


Pin	Type	Label
10	LINE out 2+	Aout2
11	LINE out 2-	
3	SHIELD	
13	LINE out 4+	Aout4
14	LINE out 4-	
6	SHIELD	

52-1335 Pin Assignment

D-Sub 15 - connector 6



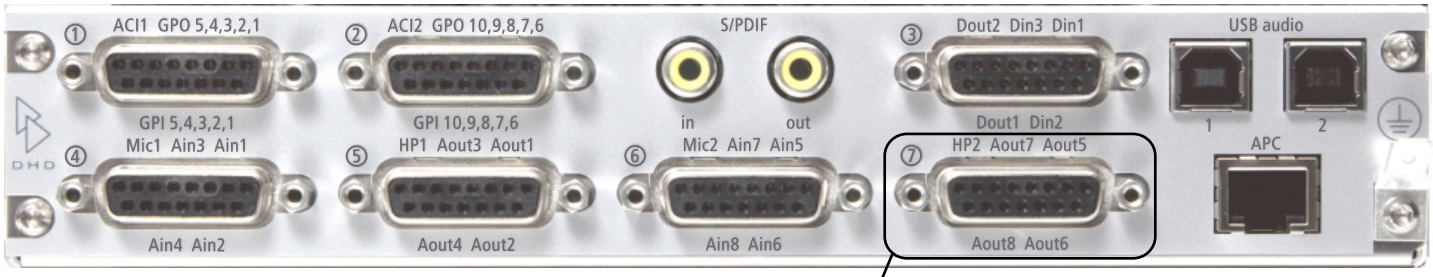


Label	Type	Pin
Ain5	LINE in 5+	1
	LINE in 5-	2
	SHIELD	9
Ain7	LINE in 7+	4
	LINE in 7-	5
	SHIELD	12
Mic2	MIC 2+	7
	MIC 2-	8
	SHIELD	15

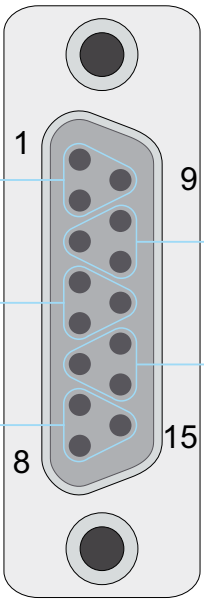
Pin	Type	Label
10	LINE in 6+	Ain6
11	LINE in 6-	
3	SHIELD	
13	LINE in 8+	Ain8
14	LINE in 8-	
6	SHIELD	

52-1335 Pin Assignment

D-Sub 15 - connector 7



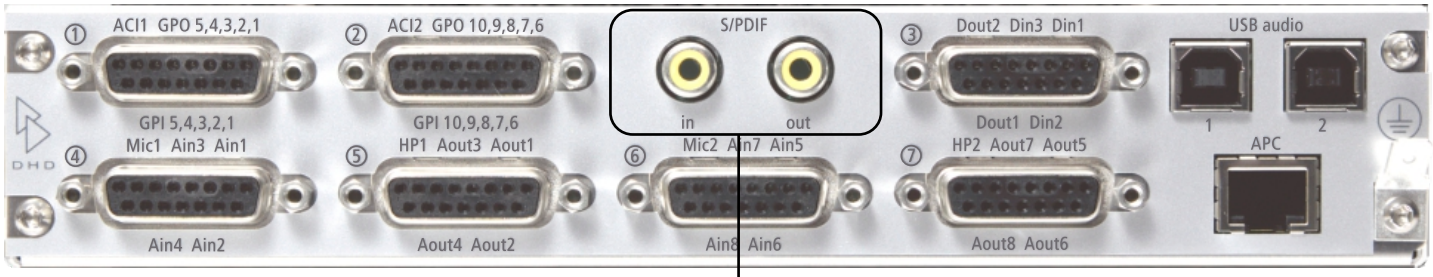
Label	Type	Pin
Aout5	LINE out 5+	1
	LINE out 5-	2
	SHIELD	9
Aout7	LINE out 7+	4
	LINE out 7-	5
	SHIELD	12
HP2	HP 2 L	7
	HP 2 R	8
	HP COM RETURN	15

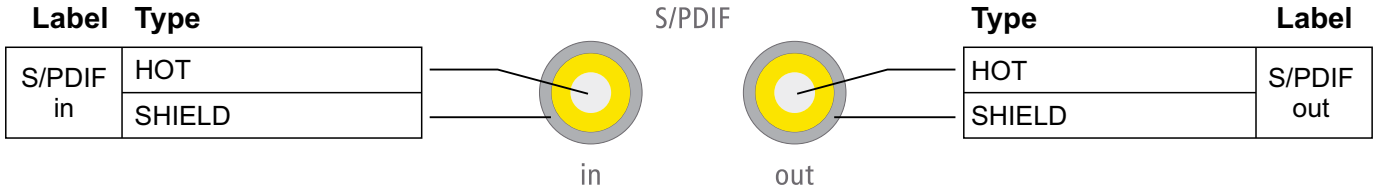


Pin	Type	Label
10	LINE out 6+	Aout6
11	LINE out 6-	
3	SHIELD	
13	LINE out 8+	Aout8
14	LINE out 8-	
6	SHIELD	

52-1335 Pin Assignment

S/PDIF





52-1335 Pin Assignment

USB audio

The USB audio ports are fully functional digital stereo inputs and outputs. Connected to a PC, each USB audio port is recognised as an USB audio device, which can be used for playback and recording in every audio software.

Important

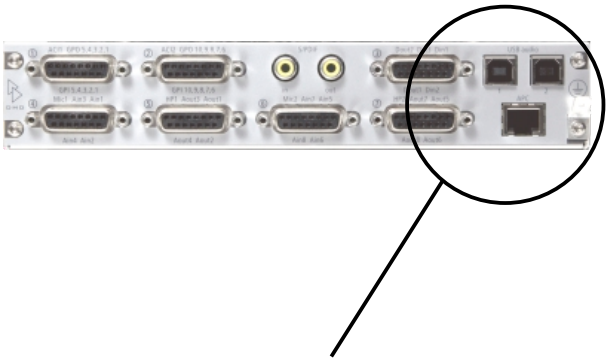
These USB audio ports can not be used for maintenance or control purposes.

The following applies to every 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
- bus-powered USB circuit (the windows driver still works when 52-1335 is powered off)
- default Windows USB audio device driver is used, no additional driver required

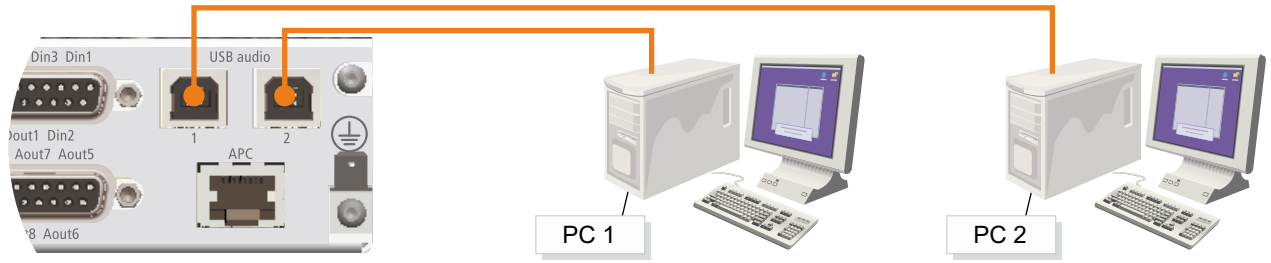
Two options for usage of USB audio are possible:

• Option 1: Each USB audio port is connected to a separate PC



The following operation systems are supported for this option:

- Microsoft™ Windows™ 98SE/Windows Me (For Windows 98SE and Windows Me, the HID function is not fully functional with the default class driver.)
- Microsoft Windows 2000 Professional
- Microsoft Windows XP Home/Professional (For Windows XP, use the latest version of the USB audio driver available from the Windows Internet site, or apply Service Pack 1 or later.
- Microsoft Windows Vista™ Business
- Microsoft Windows 7™ Professional



• Option 2: Both USB audio ports are connected to a single PC

Windows 7 (32Bit or 64Bit) is required for proper use of both USB audio ports on one PC.
(For more information, see 52/SX manual.)