

Quick reference guide comparison of **DB25 Digital Audio Pinouts** of various digital servers, processors, and D-to-A converters. (4-AES pairs/8-channels) and (8-AES pairs / 16-channels)

NOTE: The information in this document was compiled over time from manufacturer's equipment manuals and service calls, and is used internally by Odyssey for construction of cables and other devices. It is a guide only. It is your responsibility to verify the accuracy of any information you may derive from this document.

Server OUTPUTS with DB25 "4XAES/Dolby/DMA8" pinout:

Dolby DSS-100	NOTE: male connector on chassis. (4-AES pairs/8-channels)
Dolby DSS-200	NOTE: male connector on chassis. (up to 8-AES pairs/16-channels)
Sony LMT-200	NOTE: female connector on chassis. (4-pair/8-channels)
Sony LMT-300	NOTE: female connector on chassis. (up to 8-pair/16-channels)

Device INPUTS with DB25 "4XAES/Dolby/DMA8" pinout (all FEMALE on chassis or board input):

DMA8/DMA8plus	(4-pair/8-channels "4XAES" input)
ECI-60 (USL)	(4-pair/8-channels. ECI-60 has both "DMA8" and "DCI" inputs)
DAX-602 (USL)	(4-pair/8-channels. DAX-602 has both "DMA8" and "DCI" inputs)
GEFEN Pro II Scaler	(4-pair/8-channels)
CP750	(4-pair/8-channels)
CP650 *	(* when equipped with Odyssey "AES"-series option I/O board. 4-pair/8-channel.)
JSD-80 (USL)	(4-pair/8-channels when internal D/A board is installed)
DTS-XD10P	(4-pair/8-channels)
QSC DCP-200/300	(4-pair/8-channels on each Digital Input connector)
QSC DCP-100	(4-pair/8-channels on Digital Input 1, HI/VI on Digital Input 2, pair 8)
JSD-60 (USL)	(4-pair/8-channels)

Server/IMB OUTPUTS with DB25 "Doremi"/"DCI" connector (all FEMALE on the chassis):

Doremi Servers ("DCP-2K")	(8XAES/16-channel output)
GDC SX2000 with IMB	(8XAES/16-channel output)
Christie Digital IMB	(8XAES/16-channel output)

Device INPUTS with DB25 "Doremi"/"DCI" pinout (all FEMALE on chassis or board input):

AUD-D2A (Doremi D-A converter)	(4-AES pairs / 8-channels only)
ECI-60 (USL)	(4-pair/8-channels. ECI-60 has both "DMA8" and "DCI" inputs)
DAX-602 (USL)	(4-pair/8-channels. DAX-602 has both "DMA8" and "DCI" inputs)
JSD-100 (USL)	(up to 8-pair/16-channels with add-on USL digital input board)
QSC DCP-100/200/300**	(** when equipped with an Odyssey IN-8XAES-DCP300 board)
Christie SKA-3D	(8XAES/16-channel input)

“Dolby” or “DMA8” or “4XAES” DB25 pin-configuration:

<u>Channel</u>	<u>Cable Color /conductor</u>	<u>DB25 “4xAES”</u>
1&2 plus		14
1&2 minus	Brown / Minus	2
1&2 ground	/ shield	1
3&4 plus		3
3&4 minus	Red / Minus	16
3&4 ground	/ shield	4
5&6 plus		17
5&6 minus	Orange / Minus	5
5&6 ground	/ shield	18
7&8 plus		6
7&8 minus	Yellow / Minus	19
7&8 ground	/ shield	7

NOTE about the Ground pins (shields): Some devices utilize different shield pins for different channels at the destination devices. This doesn't have any effect on decoding the channels correctly.

Channel 1	=	Screen Left	Channel 5	=	Surround Left Wall
Channel 2	=	Screen Right	Channel 6	=	Surround Right Wall
Channel 3	=	Screen Center	Channel 7	=	Left Center / BSL
Channel 4	=	Subwoofer	Channel 8	=	Right Center / BSR

Devices with this 4-pair/8-channel input pin-configuration:

- **DMA8/DMA8+**
- **ECI-60** (USL)
- **DAX-602** (USL)
- **GEFEN Pro II Scaler**
- **CP750**
- **CP650 *** (* when equipped with Odyssey “AES”-series option I/O board)
- **JSD-80** (USL)
- **DTS-XD10P**
- **QSC DCP-100/200/300** (Each Digital Audio input connector. NO Odyssey adapter installed.)
- **DATASAT AP20** (Each Digital Audio input connector. NO Odyssey adapter installed.)
- **JSD-60** (USL)

“Dolby 8XAES” or “DSS200” DB25 pin-configuration:

<u>Channel</u>	<u>Cable /conductor</u>	<u>DB25 “DSS200”</u>	
1/2 plus	/ Brown	14	
1/2 minus	“1” / Green	2	(Left / Right)
1/2 ground	/ shield	1	
3/4 plus	/ Red	3	
3/4 minus	“2” / Green	16	(Center / Subwoofer)
3/4 ground	/ shield	4	
5/6 plus	/ Orange	17	
5/6 minus	“3” / Green	5	(LS / RS)
5/6 ground	/ shield	18	
7/8 plus	/ Yellow	6	
7/8 minus	“4” / Green	19	(LEX / REX) / (Europe: HI / VI)
7/8 ground	/ shield	7	
9/10 plus	/ Dk Green	8	
9/10 minus	“5” / Green	21	(TBD)
9/10 ground	/ shield	20	
11/12 plus	/ Blue	22	
11/12 minus	“6” / Green	10	(BSL / BSR)
11/12 ground	/ shield	9	
13/14 plus	/ Purple	11	
13/14 minus	“7” / Green	24	(TBD)
13/14 ground	/ shield	23	
15/16 plus	/ Gray	25	
15/16 minus	“8” / Green	13	(HI / VI)
15/16 ground	/ shield	12	

“Doremi” or “DCI” 4-pair DB25 pin-configuration:

<u>Channel</u>	<u>Cable Color /conductor</u>	<u>DB25 “DOREMI”</u>
1&2 plus		24
1&2 minus	Brown / Minus	12
1&2 ground	/ shield	25
3&4 plus		10
3&4 minus	Red / Minus	23
3&4 ground	/ shield	11
5&6 plus		21
5&6 minus	Orange / Minus	9
5&6 ground	/ shield	22
7&8 plus		7
7&8 minus	Yellow / Minus	20
7&8 ground	/ shield	8

Channel 1 =	Screen Left	Channel 5 =	Surround Left Wall
Channel 2 =	Screen Right	Channel 6 =	Surround Right Wall
Channel 3 =	Screen Center	Channel 7 =	Left Center / BSL
Channel 4 =	Subwoofer	Channel 8 =	Right Center / BSR

Devices with this 4-pair/8-channel input pin-configuration:

- **AUD-D2A** (Doremi D-A converter) (4-AES pairs / 8-channels only)
- **ECI-60** (USL) (4-pair/8-channels. ECI-60 has both “DMA8” and “DCI” inputs)
- **DAX-602** (USL) (4-pair/8-channels. DAX-602 has both “DMA8” and “DCI” inputs)
- **JSD-100** (USL) (first four pairs only with NO add-on digital input board)
- **QSC DCP-100/200/300**** (** when equipped with an Odyssey **IN-8XAES-DCP300** board.)

“Doremi 8XAES” or “DCI” DB25 pin-configuration:

<u>Channel</u>	<u>Cable /conductor</u>	<u>DB25 “DoReMi”</u>	
1/2 plus	/ Brown	24	
1/2 minus	“1” / Green	12	(Left / Right)
1/2 ground	/ shield	25	
3/4 plus	/ Red	10	
3/4 minus	“2” / Green	23	(Center / Subwoofer)
3/4 ground	/ shield	11	
5/6 plus	/ Orange	21	
5/6 minus	“3” / Green	9	(LS / RS)
5/6 ground	/ shield	22	
7/8 plus	/ Yellow	7	
7/8 minus	“4” / Green	20	(LEX / REX) / (Europe: HI / VI)
7/8 ground	/ shield	8	
9/10 plus	/ Dk Green	18	
9/10 minus	“5” / Green	6	(TBD)
9/10 ground	/ shield	19	
11/12 plus	/ Blue	4	
11/12 minus	“6” / Green	17	(BSL / BSR)
11/12 ground	/ shield	5	
13/14 plus	/ Purple	15	
13/14 minus	“7” / Green	3	(TBD)
13/14 ground	/ shield	16	
15/16 plus	/ Gray	1	
15/16 minus	“8” / Green	14	(HI / VI)
15/16 ground	/ shield	2	

Devices with this 8-pair/16-channel input pin-configuration:

- **JSD-100** (USL) (8-pair/16-channels depending on the model)
- **QSC DCP-100/200/300**** (** when equipped with an Odyssey **IN-8XAES-DCP300** board.)
- **Christie SKA-3D** (8-pair/16-channels)