

**Quick reference guide: Comparing the DB25 DIGITAL audio pin-configurations of various D-cinema “Legacy” servers, processors, and D-to-A converters. Both 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. Of course, please let us know if you notice any errors or omissions.**

Server OUTPUTS with DB25 “4XAES/Dolby/DMA8” digital audio pinout:

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

<b>DMA8/DMA8plus</b>		(4-pair/8-channels “4XAES” input)
<b>ECI-60</b>	(USL)	(4-pair/8-channels. ECI-60 has both “DMA8” and “DCI” inputs)
<b>DAX-602</b>	(USL)	(4-pair/8-channels. DAX-602 has both “DMA8” and “DCI” inputs)
<b>GEFEN Pro II Scaler</b>		(4-pair/8-channels)
<b>CP850</b>		(8-pair/16-channels)
<b>CP750</b>		(4-pair/8-channels)
<b>CP650 *</b>		(* when equipped with Odyssey “AES”-series option I/O board. 4-pair/8-channel.)
<b>JSD-60</b>	(USL)	(4-pair/8-channels)
<b>JSD-80</b>	(USL)	(4-pair/8-channels when internal D/A board is installed)
<b>DTS-XD10P</b>		(4-pair/8-channels)
<b>QSC DCP-200/300</b>		(4-pair/8-channels on each Digital Input connector)
<b>QSC DCP-100</b>		(4-pair/8-channels on Digital Input 1, HI/VI on Digital Input 2, pair 8)
<b>Enpar DCP processors</b>		(4-pair/8-channels)

---

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

<b>Doremi Servers (“DCP-2K”)</b>	(8XAES/16-channel output)
<b>GDC SX2000 with IMB</b>	(8XAES/16-channel output)
<b>Christie Digital IMB</b>	(8XAES/16-channel output)

Device INPUTS with DB25 “Doremi / DCI / TASCAM” pinout (all FEMALE on chassis or board inputs):

<b>AUD-D2A</b> (Doremi D-A converter)	(4-AES pairs / 8-channels only)
<b>ECI-60</b>	(USL) (4-pair/8-channels. On the “DCI” input connector.)
<b>DAX-602</b>	(USL) (4-pair/8-channels. On the “DCI” input connector.)
<b>JSD-100</b>	(USL) (Up to 8-pair/16-channels with add-on USL digital input board)
<b>QSC DCP-100/200/300**</b>	(** when equipped with an Odyssey <b>IN-8XAES-DCP300</b> board)
<b>Christie SKA-3D</b>	(8XAES/16-channel input)
<b>Trinnov Ovation / Ovation2</b>	

The “Doremi/DCI” pin-configuration is based on the “TASCAM” DB25 digital audio pattern.

---

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

<u>Channel</u>	<u>Cable Color /conductor</u>	<u>DB25 “4xAES”</u>
<b>1&amp;2 plus</b>	/ <b>Hot</b>	<b>14</b>
1&2 minus	Brown / Minus	2
1&2 ground	/ shield	1
3&4 plus	/ <b>Hot</b>	<b>3</b>
3&4 minus	Red / Minus	16
3&4 ground	/ shield	4
<b>5&amp;6 plus</b>	/ <b>Hot</b>	<b>17</b>
5&6 minus	Orange / Minus	5
5&6 ground	/ shield	18
<b>7&amp;8 plus</b>	/ <b>Hot</b>	<b>6</b>
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) (On the “DMA8” AES input connector)
- **DAX-602** (USL) (On the “DMA8” AES input connector)
- **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>	
<b>1/2 plus</b>	<b>/ Brown</b>	<b>14</b>	
1/2 minus	“1” / Green	2	(Left / Right)
1/2 ground	/ shield	1	
<b>3/4 plus</b>	<b>/ Red</b>	<b>3</b>	
3/4 minus	“2” / Green	16	(Center / Subwoofer)
3/4 ground	/ shield	4	
<b>5/6 plus</b>	<b>/ Orange</b>	<b>17</b>	
5/6 minus	“3” / Green	5	(LS / RS)
5/6 ground	/ shield	18	
<b>7/8 plus</b>	<b>/ Yellow</b>	<b>6</b>	
7/8 minus	“4” / Green	19	(LEX / REX) / (HI / VI)
7/8 ground	/ shield	7	
<b>9/10 plus</b>	<b>/ Dk Green</b>	<b>8</b>	
9/10 minus	“5” / Green	21	(TBD)
9/10 ground	/ shield	20	
<b>11/12 plus</b>	<b>/ Blue</b>	<b>22</b>	
11/12 minus	“6” / Green	10	(BSL / BSR)
11/12 ground	/ shield	9	
<b>13/14 plus</b>	<b>/ Purple</b>	<b>11</b>	
13/14 minus	“7” / Green	24	(Sync Pulses)
13/14 ground	/ shield	23	
<b>15/16 plus</b>	<b>/ Gray</b>	<b>25</b>	
15/16 minus	“8” / Green	13	(HI / VI?)
15/16 ground	/ shield	12	

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

- CP-850 (8-pair/16-channels)

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

<u>Channel</u>	<u>Cable Color /conductor</u>	<u>DB25 “DOREMI”</u>
<b>1&amp;2 plus</b>		<b>24</b>
1&2 minus	Brown / Minus	12
1&2 ground	/ shield	25
<b>3&amp;4 plus</b>		<b>10</b>
3&4 minus	Red / Minus	23
3&4 ground	/ shield	11
<b>5&amp;6 plus</b>		<b>21</b>
5&6 minus	Orange / Minus	9
5&6 ground	/ shield	22
<b>7&amp;8 plus</b>		<b>7</b>
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** First AES connector only. (The 2<sup>nd</sup> connector only accepts pair 4)
- **QSC DCP-200** Both AES connectors have this pinout.
- **QSC DCP-300** Both AES connectors have this pinout.

**“Doremi 8XAES” or “DCI” and “TASCAM” DB25 pin-configuration**

<u>Channel</u>	<u>Cable /conductor</u>	<u>DB25 “DoReMi”</u>	
<b>1/2 plus</b>	/ <b>Brown</b>	<b>24</b>	
1/2 minus	“1” / <b>Green</b>	12	(Left / Right)
1/2 ground	/ shield	25	
<b>3/4 plus</b>	/ <b>Red</b>	<b>10</b>	
3/4 minus	“2” / <b>Green</b>	23	(Center / Subwoofer)
3/4 ground	/ shield	11	
<b>5/6 plus</b>	/ <b>Orange</b>	<b>21</b>	
5/6 minus	“3” / <b>Green</b>	9	(LS / RS)
5/6 ground	/ shield	22	
<b>7/8 plus</b>	/ <b>Yellow</b>	<b>7</b>	
7/8 minus	“4” / <b>Green</b>	20	(LEX / REX) / ( HI / VI)
7/8 ground	/ shield	8	
<b>9/10 plus</b>	/ <b>Dk Green</b>	<b>18</b>	
9/10 minus	“5” / <b>Green</b>	6	(TBD)
9/10 ground	/ shield	19	
<b>11/12 plus</b>	/ <b>Blue</b>	<b>4</b>	
11/12 minus	“6” / <b>Green</b>	17	(BSL / BSR)
11/12 ground	/ shield	5	
<b>13/14 plus</b>	/ <b>Purple</b>	<b>15</b>	
13/14 minus	“7” / <b>Green</b>	3	(Sync Pulses)
13/14 ground	/ shield	16	
<b>15/16 plus</b>	/ <b>Gray</b>	<b>1</b>	
15/16 minus	“8” / <b>Green</b>	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)
- **Trinnov Ovation / Ovation2**