

## *XCP-48-TELCO*

### **Breakout Panel Technical Guide**

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**CUSTOMER SUPPORT**



Technical questions should be directed to:

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	<p><b>CAUTION</b></p> <p>RISK OF ELECTRIC SHOCK DO NOT OPEN</p>	
<p>THE LIGHTNING FLASH AND ARROWHEAD WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF "DANGEROUS VOLTAGE" INSIDE THE PRODUCT.</p>	<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	<p>THE EXCLAMATION POINT WITHIN THE TRIANGLE IS A WARNING SIGN ALERTING YOU OF IMPORTANT INSTRUCTIONS ACCOMPANYING THE PRODUCT</p>
<p>SEE MARKING ON BOTTOM/BACK OF PRODUCT</p>		


**WARNING:** APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

**WARNING:** THE MAIN POWER PLUG MUST REMAIN READILY OPERABLE

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, GROUNDING OF THE CENTER PIN OF THIS PLUG MUST BE MAINTAINED.

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPRATUS TO RAIN OR MOISTURE.

**WARNING:** TO PREVENT INJURY, THIS APPARATUS MUST BE SECURELY ATTACHED TO THE FLOOR/WALL/RACK IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.

	<p>This product is AC only.</p>
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## *Important Safety Instructions*

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



# XCP-48-Telco

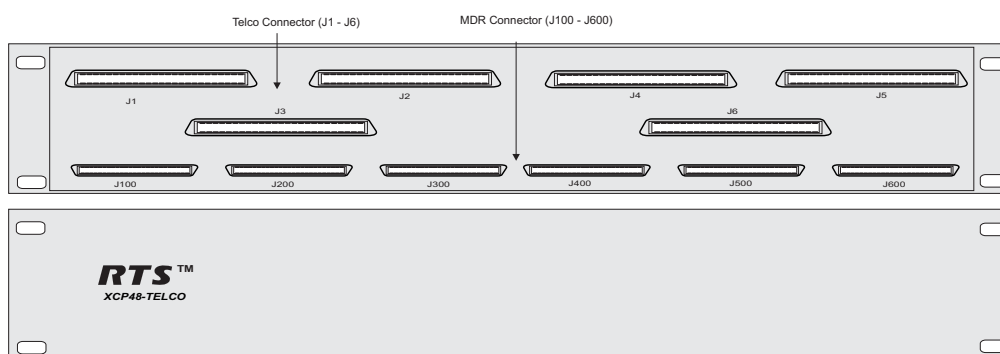


FIGURE 1. XCP-48-Telco

The XCP-48-Telco is the newly created breakout panel with MDR connector for the AIO-16 and Cronus. It combines the audio to matrix, audio from matrix, and data pairs. It then routes them on individual Telco connectors. It allow you to connect to 48 ports on the Intercom system.

**NOTE:** When using the 48-port Telco breakout panel, you **MUST** use the MDR backcard for both the AIO-16 and Cronus.

MDR Connector		
Pin Number	Port	Function
8	1	Data +
33	1	Data -
24	1	Audio To Matrix +
49	1	Audio To Matrix -
25	1	Audio From Matrix +
50	1	Audio From Matrix -

MDR Connector		
Pin Number	Port	Function
7	2	Data +
32	2	Data -
22	2	Audio To Matrix +
47	2	Audio To Matrix -
23	2	Audio From Matrix +
48	2	Audio From Matrix -
6	3	Data +
31	3	Data -
20	3	Audio To Matrix +
45	3	Audio To Matrix -
21	3	Audio From Matrix +

MDR Connector		
Pin Number	Port	Function
46	3	Audio From Matrix -
5	4	Data +
30	4	Data -
18	4	Audio To Matrix +
43	4	Audio To Matrix -
19	4	Audio From Matrix +
44	4	Audio From Matrix -
4	5	Data +
29	5	Data -
16	5	Audio To Matrix +
41	5	Audio To Matrix -
17	5	Audio From Matrix +
42	5	Audio From Matrix -
3	6	Data +
28	6	Data -
14	6	Audio To Matrix +
39	6	Audio To Matrix -
15	6	Audio From Matrix +
40	6	Audio From Matrix -
2	7	Data +
27	7	Data -
12	7	Audio To Matrix +
37	7	Audio To Matrix -
13	7	Audio From Matrix +
38	7	Audio From Matrix -
1	8	Data +
26	8	Data -
10	8	Audio To Matrix +
35	8	Audio To Matrix -
11	8	Audio From Matrix +
36	8	Audio From Matrix -

**NOTE:** There are 6 MDR connectors on the XCP-48-TELCO Breakout Panel.

MDR Connector	Port
J100	1-8
J200	9-16
J300	17-24
J400	25-32
J500	33-40
J600	41-48

Female Telco Connector - J1, J4		
Pin Number	Port	Function
1	1	Audio to Matrix +
26	1	Audio to Matrix -
2	2	Audio to Matrix +
27	2	Audio to Matrix -
3	3	Audio to Matrix +
28	3	Audio to Matrix -
4	4	Audio to Matrix +
29	4	Audio to Matrix -
5	5	Audio to Matrix +
30	5	Audio to Matrix -
6	6	Audio to Matrix +
31	6	Audio to Matrix -
7	7	Audio to Matrix +
32	7	Audio to Matrix -
8	8	Audio to Matrix +
33	8	Audio to Matrix -
9	9	Audio to Matrix +
34	9	Audio to Matrix -
10	10	Audio to Matrix +

<b>Female Telco Connector - J1, J4</b>		
<b>Pin Number</b>	<b>Port</b>	<b>Function</b>
35	10	Audio to Matrix -
11	11	Audio to Matrix +
36	11	Audio to Matrix -
12	12	Audio to Matrix +
37	12	Audio to Matrix -
13	13	Audio to Matrix +
38	13	Audio to Matrix -
14	14	Audio to Matrix +
39	14	Audio to Matrix -
15	15	Audio to Matrix +
40	15	Audio to Matrix -
16	16	Audio to Matrix +
41	16	Audio to Matrix -
17	17	Audio to Matrix +
42	17	Audio to Matrix -
18	18	Audio to Matrix +
43	18	Audio to Matrix -
19	19	Audio to Matrix +
44	19	Audio to Matrix -
20	20	Audio to Matrix +
45	20	Audio to Matrix -
21	21	Audio to Matrix +
46	21	Audio to Matrix -
22	22	Audio to Matrix +
47	22	Audio to Matrix -
23	23	Audio to Matrix +
48	23	Audio to Matrix -

<b>Female Telco Connector - J1, J4</b>		
<b>Pin Number</b>	<b>Port</b>	<b>Function</b>
24	24	Audio to Matrix +
49	24	Audio to Matrix -

<b>Female Telco Connector - J2, J5</b>		
<b>Pin Number</b>	<b>Port</b>	<b>Function</b>
1	1	Audio from Matrix +
26	1	Audio from Matrix -
2	2	Audio from Matrix +
27	2	Audio from Matrix -
3	3	Audio from Matrix +
28	3	Audio from Matrix -
4	4	Audio from Matrix +
29	4	Audio from Matrix -
5	5	Audio from Matrix +
30	5	Audio from Matrix -
6	6	Audio from Matrix +
31	6	Audio from Matrix -
7	7	Audio from Matrix +
32	7	Audio from Matrix -
8	8	Audio from Matrix +
33	8	Audio from Matrix -
9	9	Audio from Matrix +
34	9	Audio from Matrix -
10	10	Audio from Matrix +
35	10	Audio from Matrix -
11	11	Audio from Matrix +
36	11	Audio from Matrix -

<b>Female Telco Connector - J2, J5</b>		
<b>Pin Number</b>	<b>Port</b>	<b>Function</b>
12	12	Audio from Matrix +
37	12	Audio from Matrix -
13	13	Audio from Matrix +
38	13	Audio from Matrix -
14	14	Audio from Matrix +
39	14	Audio from Matrix -
15	15	Audio from Matrix +
40	15	Audio from Matrix -
16	16	Audio from Matrix +
41	16	Audio from Matrix -
17	17	Audio from Matrix +
42	17	Audio from Matrix -
18	18	Audio from Matrix +
43	18	Audio from Matrix -
19	19	Audio from Matrix +
44	19	Audio from Matrix -
20	20	Audio from Matrix +
45	20	Audio from Matrix -
21	21	Audio from Matrix +
46	21	Audio from Matrix -
22	22	Audio from Matrix +
47	22	Audio from Matrix -
23	23	Audio from Matrix +
48	23	Audio from Matrix -
24	24	Audio from Matrix +
49	24	Audio from Matrix -

<b>Female Telco Connector - J3, J6</b>		
<b>Pin Number</b>	<b>Port</b>	<b>Function</b>
1	1	Data +
26	1	Data -
2	2	Data +
27	2	Data -
3	3	Data +
28	3	Data -
4	4	Data +
29	4	Data -
5	5	Data +
30	5	Data -
6	6	Data +
31	6	Data -
7	7	Data +
32	7	Data -
8	8	Data +
33	8	Data -
9	9	Data +
34	9	Data -
10	10	Data +
35	10	Data -
11	11	Data +
36	11	Data -
12	12	Data +
37	12	Data -
13	13	Data +
38	13	Data -



<b>Female Telco Connector - J3, J6</b>		
<b>Pin Number</b>	<b>Port</b>	<b>Function</b>
14	14	Data +
39	14	Data -
15	15	Data +
40	15	Data -
16	16	Data +
41	16	Data -
17	17	Data +
42	17	Data -
18	18	Data +
43	18	Data -
19	19	Data +
44	19	Data -
20	20	Data +
45	20	Data -
21	21	Data +
46	21	Data -
22	22	Data +
47	22	Data -
23	23	Data +
48	23	Data -
24	24	Data +
49	24	Data -

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