

## *XCP-48-RJ45*

### **Breakout Panel Technical Guide**

**PROPRIETARY NOTICE**

The product information and design disclosed herein were originated by and are the property of Bosch Security Systems, Inc. Bosch reserves all patent, proprietary design, manufacturing, reproduction, use and sales rights thereto, and to any article disclosed therein, except to the extent rights are expressly granted to others.

**COPYRIGHT NOTICE**

Copyright 2011 by Bosch Security Systems, Inc. All rights reserved. Reproduction, in whole or in part, without prior written permission from Bosch is prohibited.

\*All other trademarks are property of their respective owners.

**WARRANTY AND SERVICE INFORMATION**

For warranty and service information, refer to the appropriate web site below:

- RTS ..... [www.rtsintercoms.com/warranty](http://www.rtsintercoms.com/warranty)
- RTSTW ..... [www.rtstw.com/warranty](http://www.rtstw.com/warranty)
- AudioCom..... [www.telexaudiocom.com/warranty](http://www.telexaudiocom.com/warranty)
- RadioCom ..... [www.telexradiocom.com/warranty](http://www.telexradiocom.com/warranty)
- Headsets ..... [www.intercomheadsets.com/warranty](http://www.intercomheadsets.com/warranty)

**CUSTOMER SUPPORT**



Technical questions should be directed to:

Customer Service Department  
 Bosch Security Systems, Inc.  
 12000 Portland Avenue South  
 Burnsville, MN 55337 USA  
 Telephone: 877-863-4169  
 Fax: 800-323-0498  
 Info@rtsintercoms.com

Technical Questions EMEA  
 Bosch Security Systems Technical Support EMEA  
[http://www.rtsintercoms.com/contact\\_main.php](http://www.rtsintercoms.com/contact_main.php)

**DISCLAIMER**

The manufacturer of the equipment described herein makes no expressed or implied warranty with respect to anything contained in this manual and shall not be held liable for any implied warranties of fitness for a particular application or for any indirect, special, or consequential damages. The information contained herein is subject to change without prior notice and shall not be construed as an expressed or implied commitment on the part of the manufacturer.

	<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>
---	---------------------------------

---

## *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-RJ45

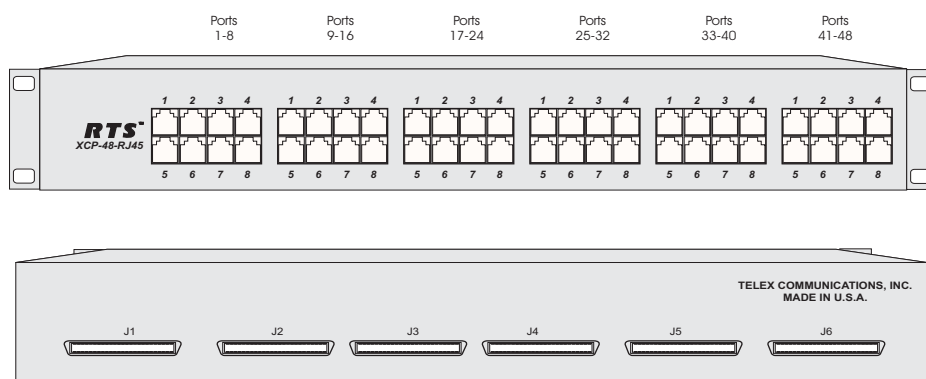


FIGURE 1. XCP-48-RJ45

The XCP-48-RJ45 is the newly created 48-port RJ-45 breakout panel with MDR connector for the AIO-16 and Cronus. It allow you to expand the number of RJ-45 ports on the Intercom system.

**NOTE:** When using the 48-port RJ-45 breakout panel, you **MUST** use the MDR backcard for both the AIO-16 and Cronus.

RJ-45	
Pin 1	N/A
Pin 2	Keypanel Data -
Pin 3	Audio Out +
Pin 4	Audio In +
Pin 5	Audio In -
Pin 6	Audio Out -
Pin 7	Keypanel Data +
Pin 8	N/A

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 -
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 -

MDR Connector		
Pin Number	Port	Function
6	3	Data +
31	3	Data -
20	3	Audio To Matrix +
45	3	Audio To Matrix -
21	3	Audio From Matrix +
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 +

MDR Connector		
Pin Number	Port	Function
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 RJ-45 Breakout panel.

MDR Connector	Port
J1	41-48
J2	33-40
J3	25-32
J4	17-24
J5	9-16
J6	1-8

---

*Notes*

---

**Bosch Security Systems, Inc.**

12000 Portland Avenue South  
Burnsville, MN 55337 U.S.A.  
[www.boschcommunications.com](http://www.boschcommunications.com)