

INSTALLATION INSTRUCTIONS

**MODEL EXP1524
ZONE EXPANDER CABLE KIT**

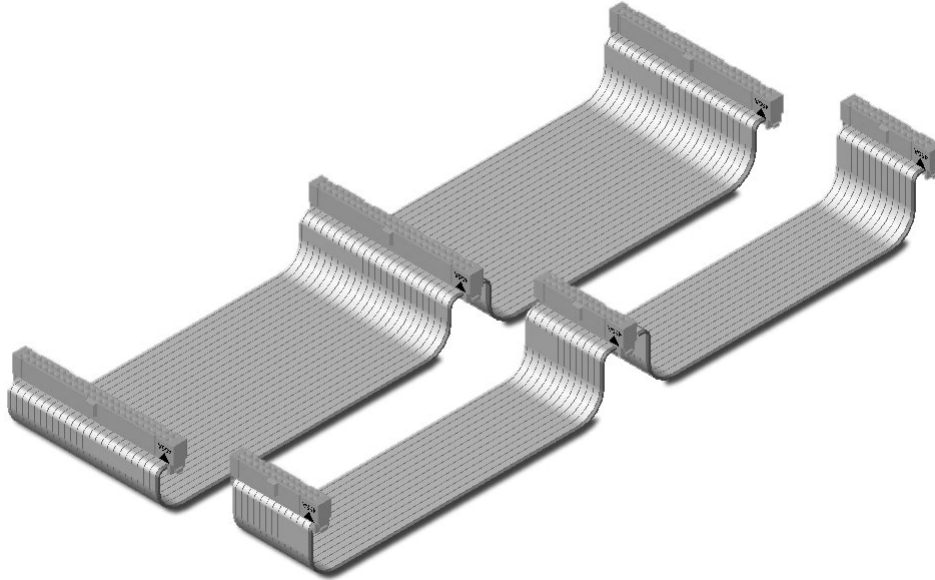


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GENERAL

The EXP1524 is a cable set which makes it possible to connect two EXP9 Expanders to a ZPR68-10 Six-Zone Eight-Source Remote Preamp. With this combination, up to 24 zones can be connected.

CAUTION: The EXP1524 will not operate with the original ZPR68 (older version). It must be used with a ZPR68-10 having serial number 11183 or higher.

CONNECTING TWO EXP9'S TO A ZPR68-10

To make the necessary connections between the EXP9 Expanders and a ZPR68-10, refer to **Figure 1** below and proceed as follows:

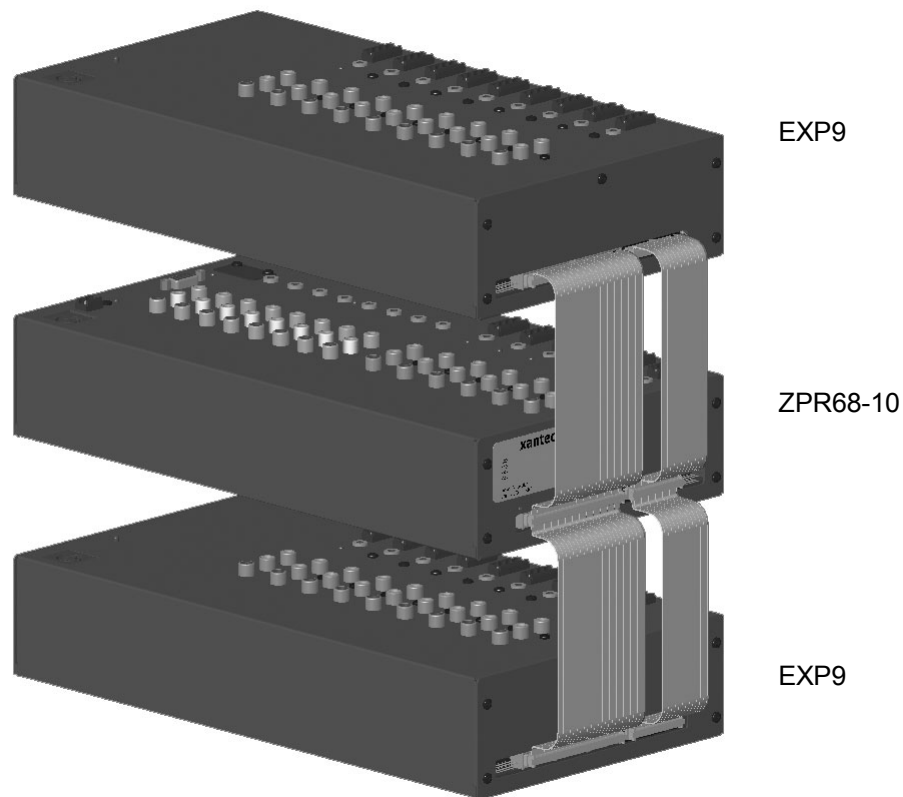


Figure 1 – Connecting two EXP9s to a ZPR68-10

1. Be sure the power supply for each unit is unplugged when making connections.
2. If you are adding "XCARDs" to an existing EXP9, add them first.
3. Locate the 26 and the 50-conductor ribbon cables supplied with the EXP1524.
4. Plug the connectors of each cable into the mating connectors on the ZPR68-10 and the EXP9's.

CAUTION: The connectors are keyed and will mate in only one orientation. DO NOT FORCE. Be sure the red stripe is to the right when plugging in, as shown in **Figure 1**.

ADDING XCARDS TO THE EXP9

Normally you would purchase the EXP9 from Xantech with the correct number of zone cards pre-loaded at the factory to match the requirements of the installation. To install additional XCARD(s), however, when a client later requests more zones, see the EXP9 instructions.

INSTALLATION

To install the ZPR68-10/EXP9/EXP1524 combination into the application, use the same INSTALLATION procedures as given in the ZPR68-10 and EXP9 INSTALLATION INSTRUCTIONS manuals. You can treat the installation exactly the same, the only difference is that you are now dealing with more zones. The following additional items, however, may apply to your installation:

UNPLUGGING THE POWER SUPPLY TO THE EXP9

The custom trim and zone adjustments you perform on an EXP9 will default to factory settings if the EXP9 power supply is unplugged before the power supply of the ZPR68-10 is unplugged. To avoid this, when powering the system down, proceed as follows:

1. Unplug the ZPR68-10 power supply **before** unplugging the EXP9 power supply.
2. When powering up, plug the ZPR68-10 in first, then the EXP9.

When the units are powered down and up simultaneously, as when a power failure occurs, loss of trim or zone adjustment settings **will not** occur.

RS232 OPERATION

When using two EXP9's with a ZPR68-10 in a system controlled via the RS232 port, one EXP9 has zone numbers (slot addresses) 7 through 15, as programmed by the factory, and the second EXP9 must be reprogrammed by the installer to correspond to zone numbers 16 through 24. The procedure for reprogramming the zone numbers is as follows:

1. Connect an IR receiver to zone 16, the first zone to be reprogrammed.
2. Set the switches on the rear of a Xantech RC68 or RC68+ Programmer to FE.
3. Using the tables in **Figure 2**, select the button for the number desired. For example, to set the zone to respond to 16, point the RC68 or RC68+ at the IR receiver and press the button marked 08. The zone now is identified as 16.
4. Repeat steps 2 and 3 for each zone from 17 to 24.
5. Be sure to reset the switches on the programmer to anything other than **FE** or **FF**!

RC68			
10	48	01	90
01	20	02	03
	C0	50	D0
	05	06	07
40	A0	30	B0
04	09	10	11
20	E0	70	F0
08	13	14	15
60	88	18	98
12	17	18	19
08	A8	38	B8
16	25	26	27
28	E8	78	F8
24	29	30	31
68	C8	58	D8
28	21	22	23

RC68+				
80	48	10	90	01
01	20	02	03	64
00	C0	50	D0	41
00	05	06	07	68
40	A0	30	B0	21
04	09	10	11	72
20	E0	70	F0	61
08	13	14	15	76
60	88	18	98	09
12	17	18	19	80
08	A8	38	B8	29
16	25	26	27	88
28	E8	78	F8	69
24	29	30	31	92
68	C8	58	D8	49
28	21	22	23	84
E1	89	C9	A9	E9
77	81	85	89	93
71	19	59	39	79
78	82	86	90	94
F1	99	D9	B9	F9
79	83	87	91	95

10	= Button label
01	= Zone

Figure 2 – RC68 and RC68+ Button to Zone Tables

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