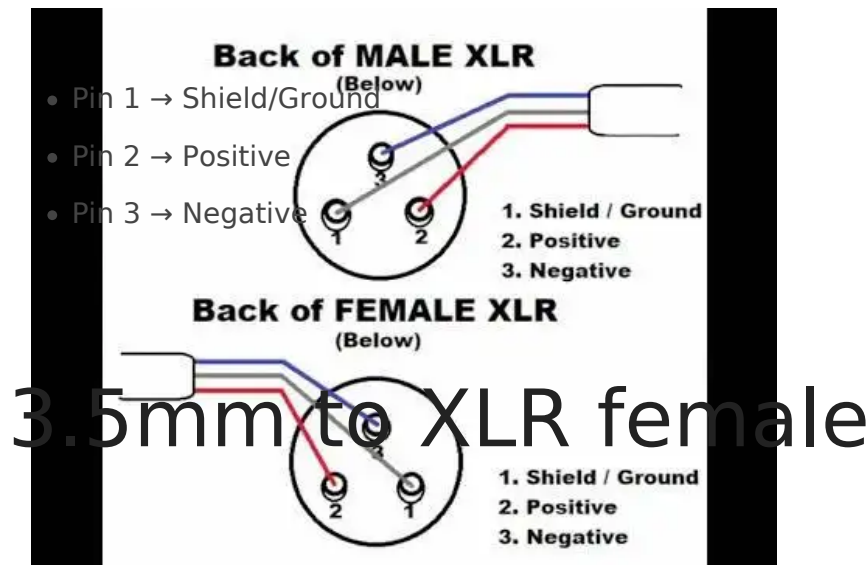


Wiring Diagrams

3 pin XLR wiring diagram



- Pin 1 → Ground/Sleeve
- Pin 2 → Ring
- Pin 3 → Tip

3.5mm to Dual XLR male

Left

- Pin 1 → Sleeve
- Pin 2 → Tip
- Pin 3 → Sleeve

Right

- Pin 1 → Sleeve
- Pin 2 → Ring
- Pin 3 → Sleeve

4 Pin Comms wiring

Headset wiring

Brand	pin1 - mic low	pin2 - mic high	pin3 - ear low	pin4 - ear high (L or L/R)
Beyer	shield	blue	black/white	red/org
D2N Phone hand-held	Red	Black	green	yellow
Reidel Pro	yellow/shield	green	blue & brown	red/org ear L/R high
Riedel Air	shield	red	blue	white
Riedel Max	white/shield	brown	green/blue	yellow/red
Senn hd25	red/shield	blue	green/grey	white/yellow
HMD46	blue & shield	red	orange & white	brown & green
Telex PH-44R5	blue & shield	white	black	red

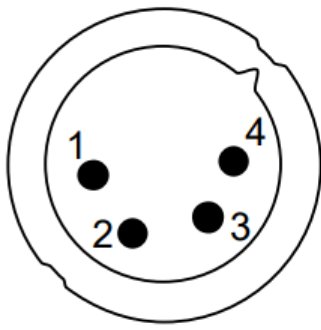
Brand	pin1 - mic low	pin2 - mic high	pin3 - ear low	pin4 - ear high (L or L/R)
Telex twin	blue &shield	white	yellow & black	red
Riedel Run	Shield	green	pink	red
Clearcomm CC-300 & CC-400	Shield & Green	Yellow	Red & Orange	Blue/Brown
Hytera RSM	Green & Shield	Green	Blue & Brown	

Standard Pin definition

- Pin 1 = Mic Negative
- Pin 2 = Mic Positive, (+5v Electrate)
- Pin 3 = Speaker Negative/ground
- Pin 4 = Speaker Positive

Panel Wiring

RSP-1231HL



Pin	Headset A
1	HS MIC A - , (GND)
2	HS MIC A + , (+5 VDC)
3	GND
4	HS Phones A + (left)

figure 125: Headset connector XLR-4 male pinout

5 Pin Comms Wiring

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
Max	white/Shield	brown	green & blue	red	yellow
Riedel Pro	Yellow	Green	Shield & Blue & Brown	Orange	Red

7 Pin Comms Wiring

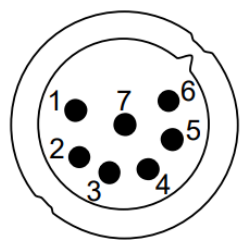
Headset & RSMs

	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7
Hytera RSM	Green	White	Grey & Red	Yellow	Yellow	Brown	N/C
Riedel Pro	Yellow	Green	Shield & Blue & Brown	Orange	Red	N/C	N/C
Max	white/Shield	brown	green blue	red	yellow		

N/C = Not Connected

RSP-1232

New in 1.6 Stereo operation is now supported with the 7-pin XLR connector (XLR7M).



Pin	Headset A
1	HS MIC A - , (GND)
2	HS MIC A + , (+5 VDC)
3	GND
4	HS Phones A + (left)
5	HS Phones A + (right)
6	PTT A
7	Data A

figure 126: Headset connector XLR-7 male pinout

The microphone power supply (+5 VDC) is switched on (electret) or off (dynamic) according to the Director configuration.

7 Pin Male to 4 Pin Female

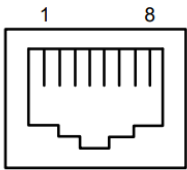
XLR7M	XLR4F	Wire Colour
Pin 1	Pin 1	Red
Pin 2	Pin 2	Green
Pin 3	Pin 3	Black
Pin 4	Pin 4	White
Pin 5	Pin 4	N/A
Pin 6	N/C	N/A
Pin 7	N/C	N/A

N/C = Not Connected

RJ45 Comms Wiring

Headset Connector

Headset connectors



Pin	Headset A	Headset B
1*	HS Phones A + (right)	HS Phones B + (right)
2	GND	GND
3*	Data A	Data B
4	HS MIC A + , (+5 VDC)	HS MIC B + , (+5 VDC)
5	HS MIC A - , (GND)	HS MIC B - , (GND)
6*	PTT A	PTT B
7	HS Phones A + (left)	HS Phones B + (left)
8	GND	GND
Case	Chassis	Chassis

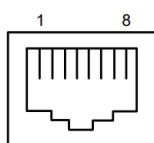
* future use

figure 124: Headset connector RJ-45 pinout

RJ45 AIO

Audio connector

The Audio connector is used to connect analog audio signals to the panel.



Pin	Signal	Standard color
1	--	orange/white
2	--	orange
3	--	green/white
4	AIO-RX-P	blue
5	AIO-RX-N	blue/white
6	--	green
7	AIO-TX-P	brown/white
8	AIO-TX-N	brown

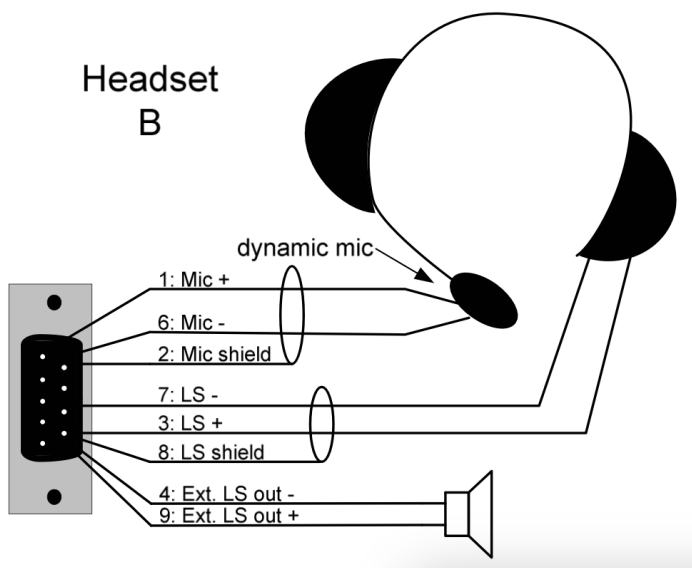
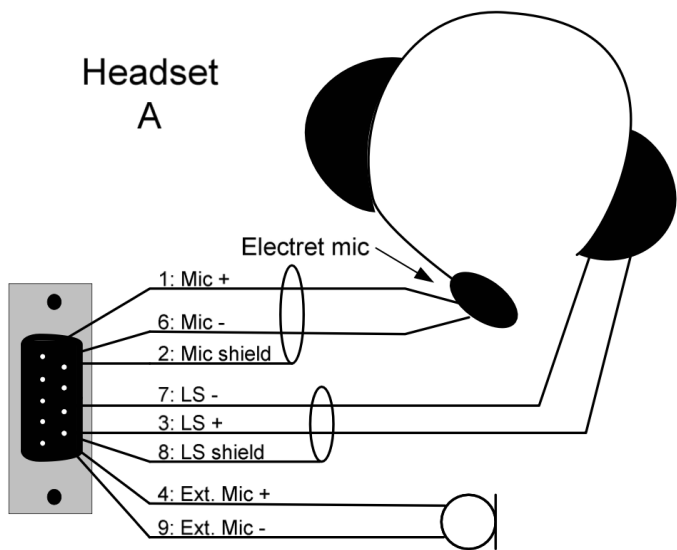
figure 114: Audio connector RJ-45 pinout

DB-9 DSub

1100 Series Panel - Headset connector

Pin	Headset A	Headset B
1	HS Mic +, +5v	HS Mic +, +5v
2	Chassis	Chassis
3	HS phones +	HS phones +
4	Ext. MIC +, +5V	Ext. Speaker Out -
5	Chassis (Ext. MIC shield)	--
6	HS MIC -	HS MIC -, +5V
7	HS phones GND	HS phones GND
8	Chassis (HS phones shield)	Chassis (HS phones shield)
9	Ext. MIC -, +5V	Ext. Speaker Out +

Case	Chassis	Chassis
------	---------	---------



Notes: The MIC input at HS A is unbalanced. For unbalanced HS A MIC connect MIC + to pin 1 and MIC shield to pin 6. Pin 2 can be used for cable shield.

For unbalanced HS B MIC connect MIC+ to pin 1 and MIC shield to pin 6 and pin 2. Only dynamic microphones can be used symmetrical at this connector.

For unbalanced Ext. MIC connect MIC+ to pin 4 and MIC - to pin 9 and 2. Pin 5 can be used for cable shield. Ext. Out (LS): 2W, 40hm

1100 Series Panel - Audio In Out

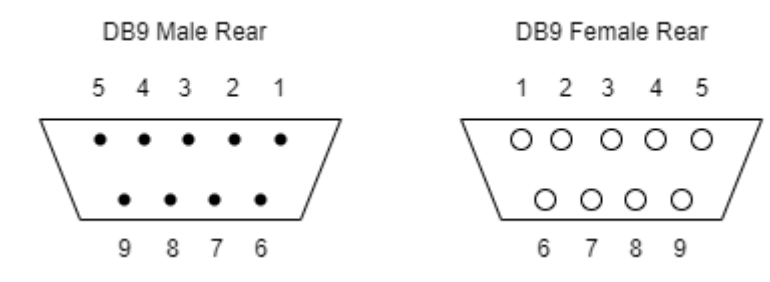
	Audio In	Audio Out
Pin 1	Audio In A +	Audio Out A +
Pin 2	Audio A shield	Audio A shield
Pin 3	Audio In B -	Audio Out B -
Pin 4	Ext. MIC + *	Ext. Speaker Out + *
Pin 5	Ext. MIC shield *	Ext. Speaker shield *
Pin 6	Audio In A -	Audio Out A -
Pin 7	Audio In B +	Audio Out B +
Pin 8	Audio B shield	Audio B shield
Pin 9	Ext. MIC - *	Ext. Speaker Out - *
Case	Chassis	Chassis

Note: * only in DCP version!

1100 Series Panel - GPIO

	GPIO In	GPIO Out
Pin 1	GPI 1 In +	GPO 1 Out A
Pin 2	GPI 2 In +	GPO 2 Out A
Pin 3	GPI 3 In +	GPO 3 Out A
Pin 4	+5V, max. 50mA	+5V, max. 50mA
Pin 5	GND	GND

Pin 6	GPI 1 In -	GPO 1 Out B
Pin 7	GPI 2 In -	GPO 2 Out B
Pin 8	GPI 3 In -	GPO 3 Out B
Pin 9	GND	GND
Case	GND	GND



DMX 5 pin

- Pin 1 - Ground/Common
- Pin 2 - Negative Data
- Pin 3 - Positive Data
- Pin 4 - Aux Negative Data
- Pin 5 - Aux Positive Data

DMX RJ45

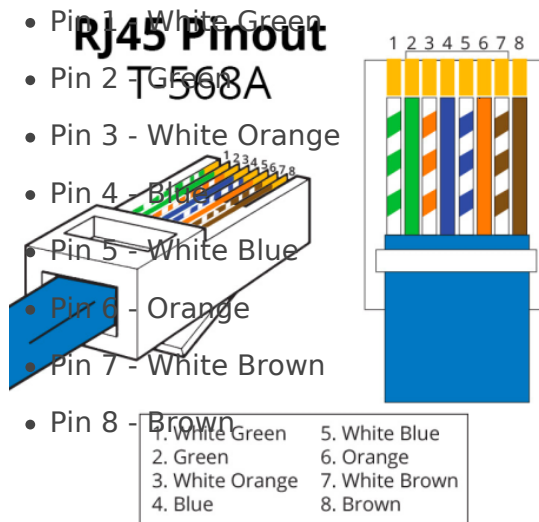
- Pin 1 (white/orange) - Positive Data
- Pin 2 (Orange) - Negative Data
- Pin 3 (White/Green) - Negative Aux Data
- Pin 4 (Blue) - Unused
- Pin 5 (White/Blue) - Unused

- Pin 6 (Green) - Aux Negative Data
- Pin 7 (White/Brown) - Ground/Common
- Pin 8 (Brown) Aux Ground/Common

Comms Headset Tester

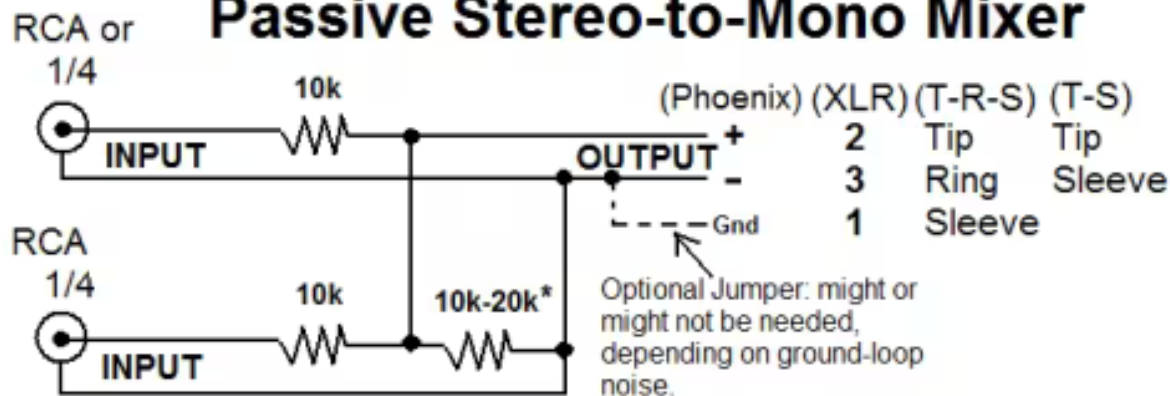
- pin1 → pin1&3 male xlr
- pin2 → pin 3 male xlr
- pin3 → pin1&3 female xlr
- pin4 → pin2 female xlr

RJ45 - Type A

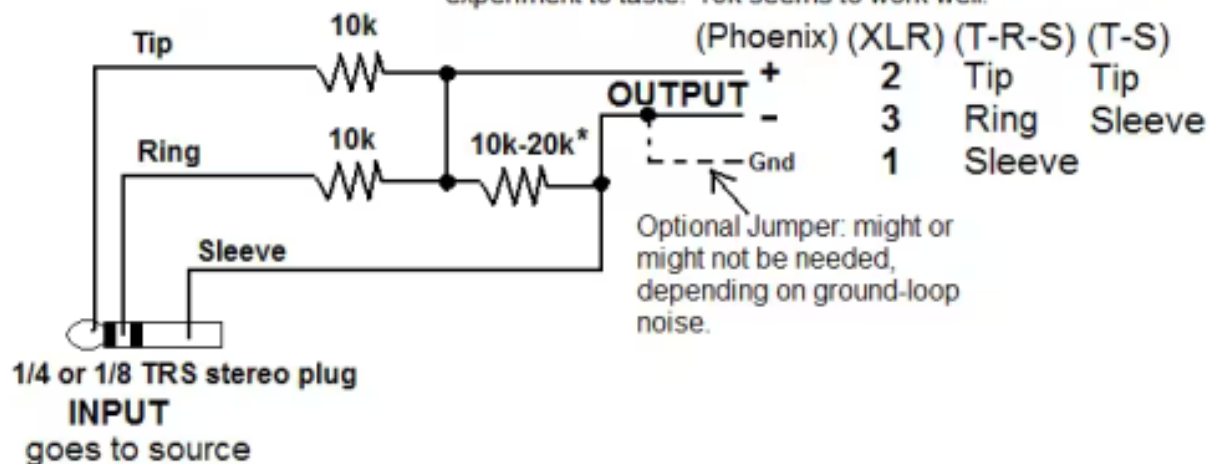


Stereo to mono - passive

Passive Stereo-to-Mono Mixer



*The larger this resistance, the more available signal at the balanced output. I would not recommend bigger than about 50k, nor less than 5k. It is not a critical value, you may have to experiment to taste. 10k seems to work well.



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