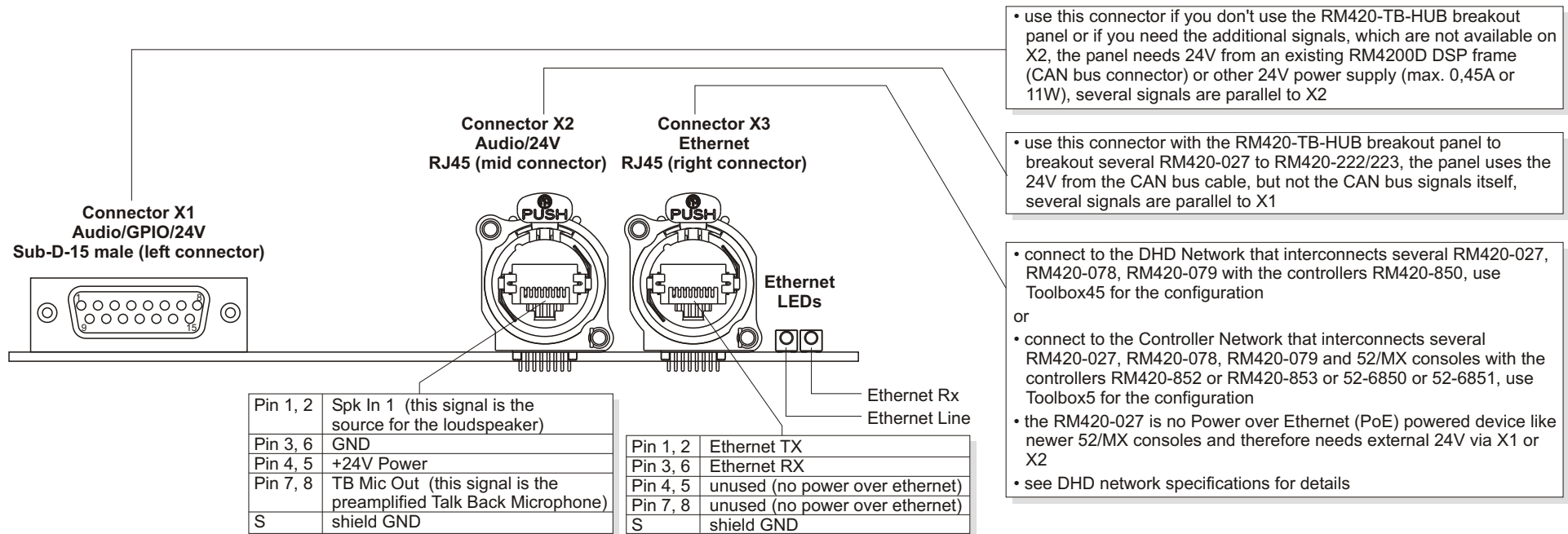


RM420-027 Connectors and LED's (rear view)

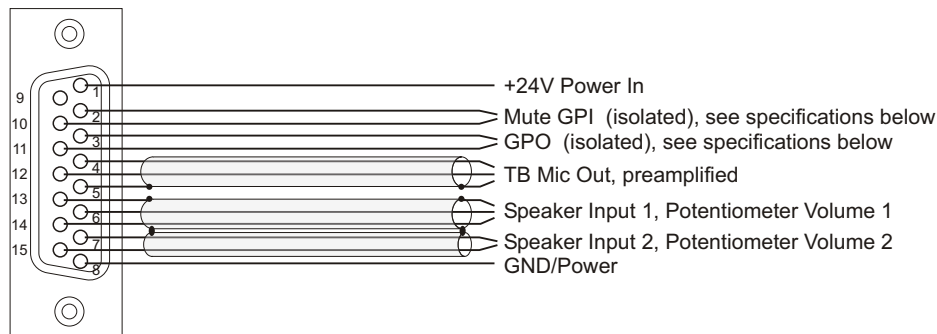


- use this connector if you don't use the RM420-TB-HUB breakout panel or if you need the additional signals, which are not available on X2, the panel needs 24V from an existing RM4200D DSP frame (CAN bus connector) or other 24V power supply (max. 0,45A or 11W), several signals are parallel to X2

- use this connector with the RM420-TB-HUB breakout panel to breakout several RM420-027 to RM420-222/223, the panel uses the 24V from the CAN bus cable, but not the CAN bus signals itself, several signals are parallel to X1

- connect to the DHD Network that interconnects several RM420-027, RM420-078, RM420-079 with the controllers RM420-850, use Toolbox45 for the configuration
- or
- connect to the Controller Network that interconnects several RM420-027, RM420-078, RM420-079 and 52/MX consoles with the controllers RM420-852 or RM420-853 or 52-6850 or 52-6851, use Toolbox5 for the configuration
- the RM420-027 is no Power over Ethernet (PoE) powered device like newer 52/MX consoles and therefore needs external 24V via X1 or X2
- see DHD network specifications for details

Connector X1



GPIO Specifications:

GPI (general purpose input)

- All GPIs are fully galvanic isolated using an optocoupler (TLP281) with current limiter (LM317L with 300 ohms).
- ON voltage: greater + 4 V, up to +30 V.
- OFF voltage: 0 V ... + 1,5 V.
- ON current: 4 mA.

Pin 1	+24V Power In	
Pin 2	Mute GPI +	this signal mutes the loudspeaker, with GPI-
Pin 3	GPO A	relay closes when any button is pressed, with GPO B
Pin 4	TB Mic Out +	this signal is the preamplified Talk Back Microphone, with TB Mic Out-
Pin 5	GND	
Pin 6	Spk In 1 +	this signal is the source 1 for the loudspeaker, with Spk In 1-
Pin 7	Spk In 2 +	alternative source 2 for the loudspeaker, with Spk In 2-
Pin 8	GND	
Pin 9	int. n.c.	internally not connected
Pin 10	Mute GPI -	
Pin 11	GPO B	
Pin 12	TB Mic Out -	
Pin 13	GND	
Pin 14	Spk In 1 -	
Pin 15	Spk In 2 -	
S	shield GND	

GPO (general purpose output)

- All GPOs use fully galvanic isolated PhotoMOS relays, suitable for AC or DC voltage.
- Maximum peak switched voltage: 30V AC or DC (resettable fuse).
- Maximum rated current: 0,2A (resettable fuse).