

HelixNet 4W module wiring to Sony CCU-D50 Camera Control Unit

HelixNet Base Station

Four-wire interface module (HLI-4W2)



Intercom setting switches Sony CCU-D50

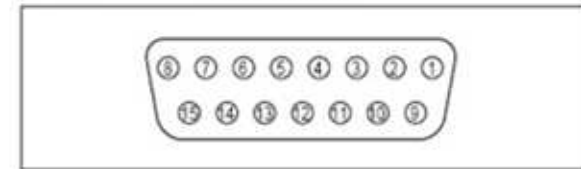
Set the intercom mode using switches 1 to 3. Switch 4 is not used.

Power this unit off before setting switches.

Setting to 4W mode

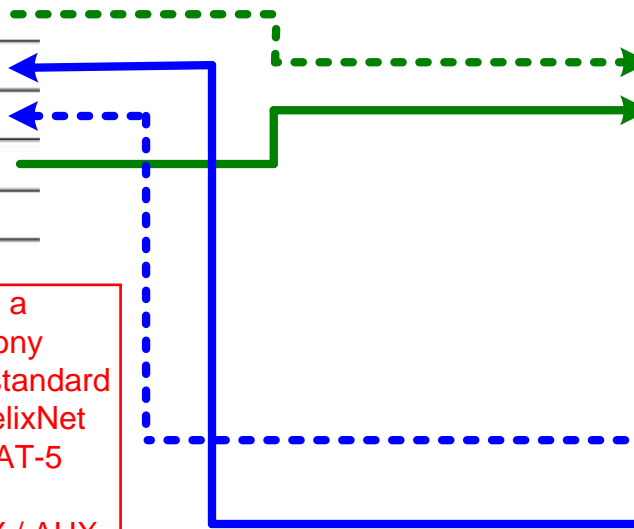
Switch 1	INCOM mode 1	OFF	
Switch 2	INCOM mode 2	OFF	
Switch 3	INCOM mode 3	OFF	

assignment Sony CCU-D50



Pin	Function
1	RS-422 data TX+
2	RS-422 data TX-
3	Audio send +
4	Audio receive +
5	Audio receive -
6	Audio send -
7	RS-422 data RX+
8	RS-422 data RX-

No.	Signal name	Description
①	AUX-RX (X)	Contact your Sony dealer or a Sony service representative.
⑨	AUX-TX (X)	
②	AUX/TALLY (G)	Gnd (AUX, tally)
⑩	G TALLY IN	ON: Gnd
③	R TALLY IN	OFF: Open
⑪	4W (G) IN	4-wire talk, 0 dBu ³⁾ , balanced
④	4W (X) IN	
⑫	4W (Y) IN	
⑤	2W (X) IN/OUT	2-wire, 0 dBu ³⁾
⑬	2W (G) IN/OUT	Termination required (recommended termination impedance: 600 ohms)
⑥	RTS (G) IN/OUT	2-wire 0 dBu ³⁾
⑭	RTS (X) IN/OUT	Termination required (recommended termination impedance: 200 ohms)
⑦	4W (Y) OUT	4-wire receive, 0 dBu ³⁾ , balanced
⑮	4W (G) OUT	
⑧	4W (X) OUT	



The diagram shows the wiring between a HelixNet 4W HLI-4W2 module and a Sony CCU-D50 camera control unit using a standard CAT-5 patch cable connected to the HelixNet 4-wire module. The other end of the CAT-5 cable is wired to the CCU via its DB-15 connector marked INTERCOM / TALLY / AUX. Use the green and blue pairs (audio pairs) only to connect to the CCU DB-15 connector. Set the CCU front panel intercom dip switches to 4-wire mode while the unit is powered off.