



ADHB-4 to Airbus DS Communications SAM using NENA Interface

The ADHB-4 supports connection to 3rd party E911 phone systems using a 6-pin (RJ-12) connector that offers balanced 600 ohm RX and TX audios and control logic that interfaces to 3rd party phone systems.

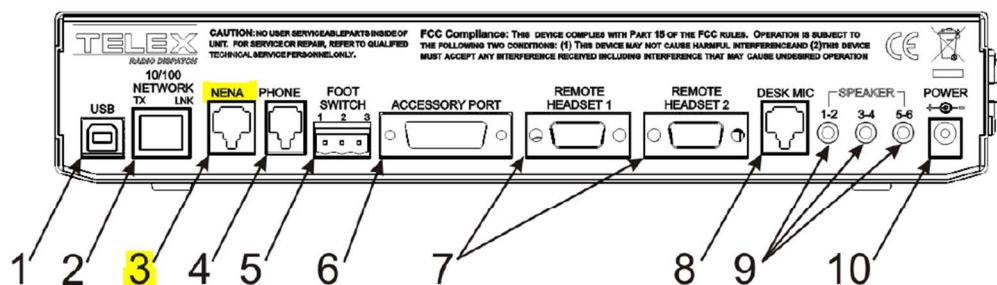
When an active phone call (off-hook) signal is sent from the Airbus SAM device, the phone caller's audio is routed to the active headset or handset earpiece. The dispatcher's audio is also routed from the headset or handset microphone back to the SAM device. This allows for full-duplex conversations to occur using a single headset, attached to the ADHB-4 for both radio console and phone operations.

During an active phone call, selected radio traffic is routed from the headset earpiece to the select speaker, and the dispatcher's voice is routed to the radio channel when PTT is pressed. This allows the dispatcher to continue to hear the incoming phone caller's audio at all times during a phone call, but the caller will not hear the dispatcher's voice during a radio PTT.

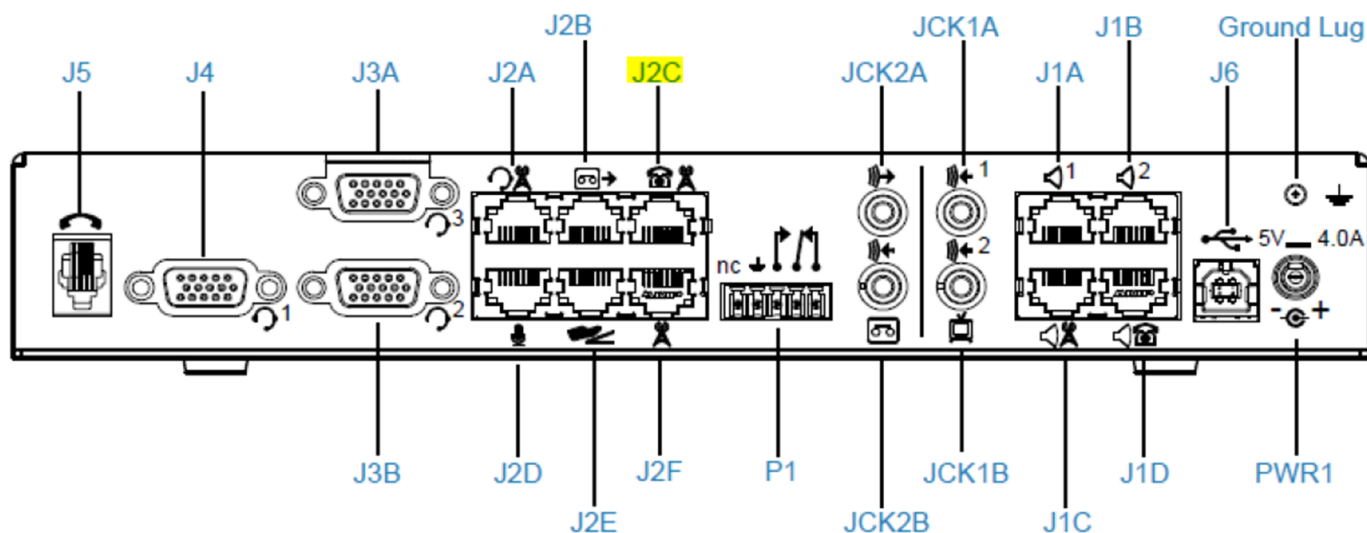


WORKS FOR **YOU.**

Using the following diagram you can manufacture an interface cable to connect the ADHB-4 NENA to the Airbus DS Communications SAM (Sound Arbitration Module) J2C connector.



ADHB-4 (#3)		SAM J2C Connector	
RJ-12 Pin	Signal	RJ-45 Pin	Signal
1	Logic	7	PHONE OFF-HOOK OUT
2	TX Out	3	Call DIR INPUT +
3	RX In	4	CALL DIR OUTPUT +
4	RX In	5	CALL DIR OUTPUT -
5	TX Out	6	Call DIR INPUT -
6	Ground	1	Common Signal Input



NOTE: Additional alignment maybe required on both the ADHB-4 NENA settings and Airbus DS SAM unit to correct any audio issues.

Peak audio levels from the SONIC should not exceed 0dbm when using the ADHB-4 NENA Level meter on the System Status web page.

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