ADHB-4 to Intrado® SONIC G2™ 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 Intrado® SONIC G2™ 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 SONIC® G2™ 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.**

Reference the Intrado SONIC G2, Setup and User guide to configure the SONIC G2 for Radio Master Type-II mode operation.

Using the following diagram you can manufacture an interface cable to connect the ADHB-4 NENA RJ-12 to the Intrado® SONIC G2™ DB-15 radio connector.
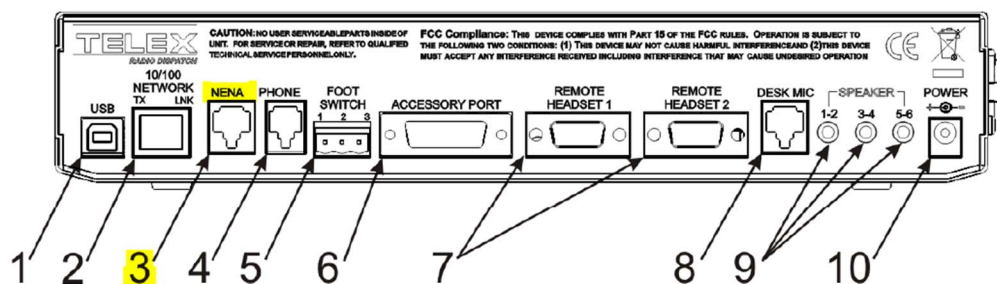
ADHB-4 (#3)		Sonic Radio Connector	
RJ-12 Pin	Signal	DB-15	Signal
1	Logic	1	GEN_OUT1_1
2	TX Out	2	Radio RX 1
3	RX In	3	Radio TX 1
4	RX In	4	Radio TX 2
5	TX Out	5	Radio RX 2
6	Ground	6	GEN_OUT1_2
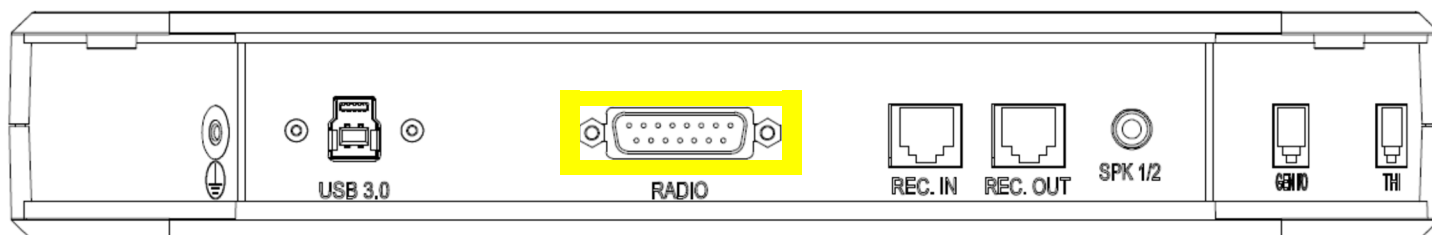
NOTES: Additional alignment maybe required on both the ADHB-4 NENA settings and Intrado SONIC G2 unit to correct any audio issues.

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