



Features

USB Plug and Play

Supports Simplex, Half-Duplex, and Full-Duplex Audio

Public Safety Grade Quality

Integrates NENA Devices to Scout Dispatch Console

Consolidates Dispatcher to Single Headset/Handset

Earpiece Volume Control

Auxiliary Inputs for Hookswitch Connection

Microphone Mute/Push-to-Talk (PTT) LED Indicator - Light Intensifies when Going from Mute to PTT

Jack Rated for Heavy Use and Compatible With WECO-Equivalent Plug

Mounts to Dispatcher's Operator Position

Avtec USB NENA Jack Box

Avtec's new USB NENA Jack Box is designed to meet public safety and commercial standards, rendering clean audio to critical communication dispatchers.

Designed first and foremost for reliability and clarity, the USB NENA Jack Box renders crisp, clear audio while minimizing environmental noises and unwanted acoustic artifacts. The design includes integrated circuitry that routes audio from a NENA-compliant deskset to the dispatch console providing a seamless workflow for the dispatcher.

The forward-thinking design reduces the complexity for the dispatcher when workflows require communication to field radios currently installed at the operator position.

Avtec's USB NENA Jack Box is an ideal solution for trainee and trainer sessions.

GENERAL SPECIFICATIONS

PHYSICAL

Width: 6 in (15.24 cm)

Height: 1.75 in (4.45 cm)

Depth: 7.35 in (18.67)

Weight: 2 lbs, including cable (0.91)

Color: Silver/Black

SOFTWARE

Console Audio Package: Software Media Workstation

Software Version: Scout 4.9 or later

ELECTRICAL

Connectivity: 10 ft (3.05 m) USB 2.0 A to B detachable cable

Power Source: +5V DC via USB @ 400 mA max

Compatible Headset/Handset Plugs:

WECO-equivalent WE-425 (Dual) WE-310 (Single) six-circuit plug
WECO-equivalent WE-327 (Dual) WE-347 (Single) four-circuit plug

AUDIO SPECIFICATIONS

EAR AUDIO INPUT FROM HOST PC

Gain (voltage): 60 dB range

Frequency Response: 200–7kHz +1/–5 dB ref to 1kHz

THD+N: 2% max unweighted

Signal to Noise: 55 dB min

Noise Floor: –65 dBu max

Headset: Supports ear audio and microphone sensitivity levels compatible with Plantronics SHS 1890 Push-To-Talk amplifiers

Handset: Supports ear audio and microphone sensitivity levels compatible with Walker #PTS-500-OP3-00 handsets

PTT Sense: Attached headset

Note: The Avtec USB NENA Jack Box's NENA port does not presently support receiving sidetone from external devices that generate sidetone.

MIC AUDIO OUTPUT TO HOST PC

Handset Gain (voltage): 15 dB range

Headset Gain (voltage): 35 dB range

Frequency Response: 200–7kHz +1/–5dB ref to 1kHz

THD+N: 2% max unweighted

Signal to Noise: 55 dB min

Noise Floor: –65 dBu max

EXTERNAL AUDIO INTERFACE

Frequency Response: 200–7kHz +/–2dB ref to 1kHz

THD+N: 2% max unweighted

Signal to Noise: 60 dB min

Noise Floor: –65 dBu max

COMPLIANCE CERTIFICATIONS

EMC EMISSIONS

EN 55032:2012/AC:2013 Class B ITE emissions requirements (EU)

ICES-003 Issue 6 Class B Digital Apparatus emissions requirements (Canada)

CFR 47 FCC Part 15 Subpart B Class B emissions requirements (USA)

SAFETY

UL/CSA/EN/IEC 62368-1 / ELV Directive

NRTL Certificate

CB Scheme Certificate

EMC IMMUNITY

EN 55024:2010 ITE - immunity characteristics

EN 55035/AS/NZS CISPR 35:2017 - immunity requirements

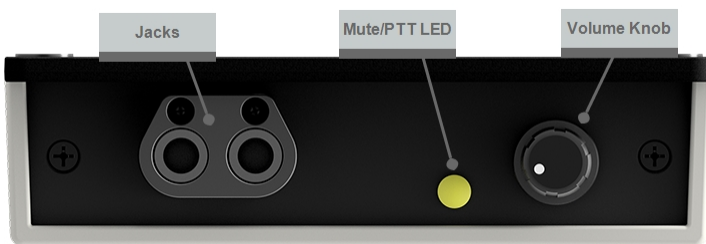
ENVIRONMENTAL

RoHS Compliant (Restriction of Hazardous Substances)

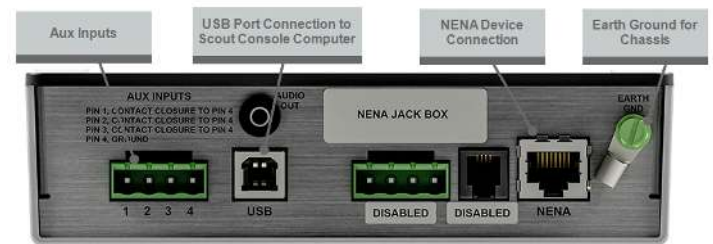
Ambient Temperature: 32 °F to 140 °F (0 °C to 60 °C)

Humidity: 10% to 70%, non-condensing

FRONT VIEW



REAR VIEW



AUX INPUTS

Pin	Function/Use
1	Unused
2	Unused

Pin	Function/Use
3	Positive for Handset Hookswitch, Contact Closure
4	Handset Hookswitch Ground

Note: Pins 3 and 4 are used to connect the hookswitch.