Artison

Nano Backpack P5 [NANO-BP-P5] Quick Reference Guide

Product Contents

(1) Backpack P5 Source Control (NANO-BP-P5)
(1) AC Cord
(2) Mounting Brackets
(1) IR Receiver
(1) IR Remote
(1) 10 Position screw down connector
(4) M4x10mm screws with washers and star lock nuts
(1) Regulatory and Product Documentation Insert (009-1730-xx)

Specifications

Environmental	
Temperature	32° to 104° F (0° to 40°C)
Humidity	10% to 80% (non-condensing)

Dimensions and Weights	Height	Width	Depth	Weight
Backpack	1.19 in (3.02 cm)	11.75 in (29.84 cm)	11.625 in (29.53 cm)	4.40 lbs (2.00 kg)
Shipping	5.25 in (13.34 cm)	15.00 in (38.10 cm)	16.14 in (41.00 cm)	7.10 lbs (3.22 kg)

Power Requirements	
Power - Input	120 - 240V AC, 50/60 Hz
Current (Max)	2A

Standards	
Wireless	Wi-Fi (802.11 b/g/n) | (2.4 | 5.8 Ghz)
Security	WPA™, WPA2™, WPA/WPA2, WEP
Bluetooth	Bluetooth v4.0 (A2DP, AVRCP, SBC)

Regulatory					
Safety and Emissions	FCC Part 15	CE Mark	C-Tick	UKCA	ETL
Contains FCC ID:	2ADBM-LS9AD-AC11DBT				
Contains IC:	7756A-LS9ADBT				
RoHS	Compliant				

Audio

- Stereo and Multi Channel PCM
- Dolby Digital 2.0
- Dolby Digital 5.1
- DTS Digital Surround (5.1 ch)

Note: For Neo 6, Cinema and Music will not support sample rate at 88.2 kHz and 96 kHz input, it can only support 44.1 kHz and 48 kHz input.

Video (Supports pass-through of the following):

HDR (Dolby Vision)		Supported	
Supported Formats	640x480[5]	1280x720[5]	1920x1200[5]
	720x480[5]	1280x1024[5]	3840x2160[1]
	720x576[4]	1920x1080[1]	3840x2160[2]
	800x600[5]	1920x1080[3]	3840x2160[3]
	1024x768[5]	1920x1080[4]	3840x2160[4]
	1280x720[4]	1920x1080[5]	3840x2160[5]

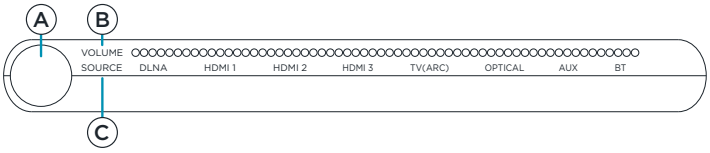
1 = at 24Hz 3 = at 30 Hz 5 = at 60Hz
2= at 25 Hz 4 = at 50 Hz

Minimum Supported Release	
Savant OS	da Vinci 8.7

Optional Accessories (sold separately)

- Universal Mounting Bracket for Flat Panel TV (CMP-XL)
- HDMI 2.0 Cable (CBL-HDMI2xxx)

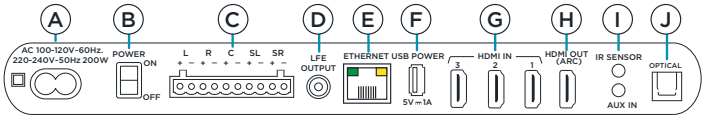
Front and Back Panel Descriptions



A Multi-function switch selector button. Pressing button will:
Press and release - Cycle between the volume and source.
Press and hold (10 secs) - Puts Backpack in to standby. Press then release to take out of standby.

B **Volume** Twist button clockwise or counterclockwise to increase or decrease volume.

C **Source** Twist button clockwise or counterclockwise to scroll through each port. Fuscia indicates the port that is selected.



A AC power input. The AC power input accepts the following:
- 100 - 120V AC @ 60Hz
- 220 - 240V AC @ 50Hz

Use only the power cord included with the Nano Backpack. Not using an Artison approved power cord can void the warranty.

B Power switch to toggle the Backpack On and Off.

C Five separate speaker level outputs. Wires from speakers are inserted into a screw-down plug in connector. Speaker outputs are as follows (4-8 Ω):
- (3) 50W outputs @ .02% THD - 4Ω (Left, Right, Center)
- (2) 25W outputs @ .015% THD - 4Ω (Sur Left, Sur Right)

D Single Low Frequency Effects (LFE) output. Connect a single RCA-to-RCA cable from the LFE output port on the Backpack to the LFE input port on a subwoofer.

E 10/100 Base-T auto negotiating LAN port with activity LEDs.

Link	**Off** - Link not established or in **Blackout Mode**
	Green Solid - Ethernet link established
	Green Blinking - Ethernet activity occurring
Activity	**Off** - 10 Mbps data rate traffic or in **Blackout Mode**
	Amber - 1000 Mbps data rate

F **USB Power** - 5V DC, 1A

G (3) HDMI 2.0b compliant
- HDCP 2.2
- Up to 4K@60Hz/4:4:4
- 3D

H (1) HDMI 2.0b compliant
- HDCP 2.2
- Up to 4K@60Hz/4:4:4
- 3D
- CEC
- ARC

I **IR Sensor** - Connect the included IR Receiver cable to this port when Backpack is located in a remote location. See the IR sensor section below.

AUX - 1 x 3.5mm mini-jack stereo input. Allows for the input of an analog device using an analog patch cable (3.5mm stereo mini-jack to RCA patch cable not included).

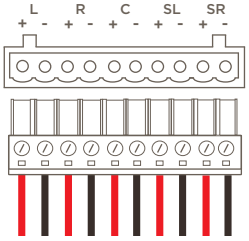
J **Optical (digital optical input)** - Input for a digital source device. When multichannel audio is input (digital bit stream), the Backpack decodes the audio to playback surround sound.

45 Perseverance Way, Hyannis, MA 02601
www.savant.com/artisonspeakers | 508.683.2500

Speaker Outputs

A ten position screw-down plug-in connector is supplied for making connections to any of the five supported speakers. The diagram below shows how to make connections.

L	Wire to + and - terminals of left channel speaker in a surround system.
R	Wire to + and - terminals of right channel speaker in a surround system.
C	Wire to + and - terminals of center channel speaker in a surround system.
SL	Wire to + and - terminals of surround left channel speaker in a surround system.
SR	Wire to + and - terminals of surround right channel speaker in a surround system.

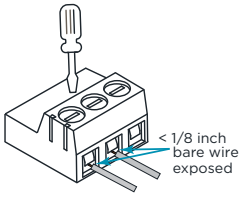


IMPORTANT!
Observe polarity when making speaker connections!

Making Connections

When connecting wires to the 10 position screw-down connector, follow the guidelines set below to ensure a safe and secure connection.

1. With a small slotted screwdriver, turn the screws on connector counterclockwise (CCW) until silver crimp opens enough to slide wire(s) into square slots.
2. Strip insulation from wire so there is 1/4 inch (6.35 mm) of bare wire. Insert the stripped wire into the proper connection.
3. Insert wire and turn screws clockwise (CW) until the crimps tighten around each wire. Tug on each wire a bit to ensure a secure connection.



There should be no more than 1/8 inch of bare wire exposed from rear of connector.

HELPFUL!

- #16 AWG is recommended for lengths up to 50 feet.
- #14 AWG is recommended if wire length is longer than 50 feet but less than 100 feet.
- #12 AWG is recommended if wire length is longer than 100 feet but less than 300 feet.

Trademark Information

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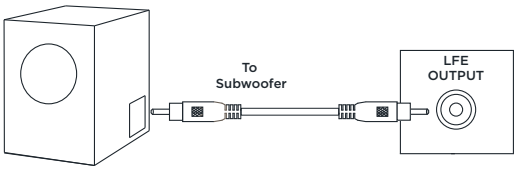
Additional Information

Refer to the following documents located on the Savant Customer Community for additional, information.

- Artison Nano Backpack P5 Deployment Guide (009-1778-xx)

LFE Output

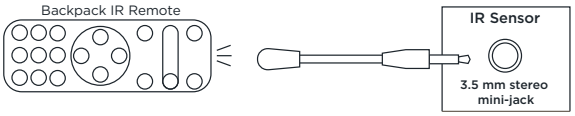
The LFE port (Low Frequency Effects) accepts a standard RCA cable and connects to the LFE input on a subwoofer speaker.



IR Sensor

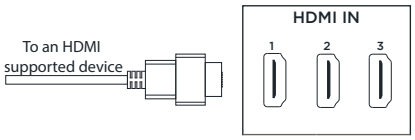
The IR Sensor connection should be used when access to the front panel on the Backpack is obstructed. Ensure the receiver side of the IR cable is mounted where the Backpack IR remote has a direct line of sight to it.

The IR Sensor input can also be connected to a 3rd party control system. A cable that connects between the 3rd party controller and Backpack would be needed.



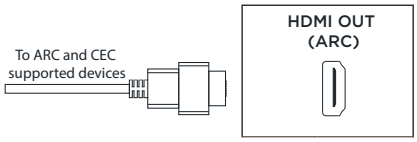
HDMI IN (1, 2, 3)

Receives and transmits HDMI signaling. Connect HDMI cable between the Backpack and an external audio/video device such as Apple TV, ROKU, DVD player, TV. Refer to table on page 1 for supported formats.



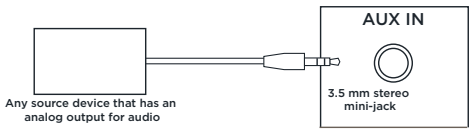
HDMI OUT

HDMI port that supports ARC (Audio Return Channel), and CEC (Consumer Electronics Control). ARC allows for downstream of audio and +CEC signals from the Backpack to the TV. Between ARC and CEC, one remote can be used to control all devices.



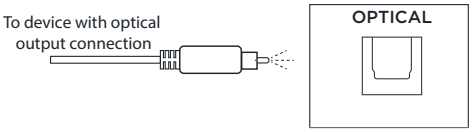
AUX IN

The AUX In port is an input port and accepts a simple analog audio connection using an auxiliary cable that incorporates a 3.5 mm stereo jack.



OPTICAL

The Optical port is an input port and accepts a digital audio connection using a fiber optic (TOSLINK) cable.



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