



BluOS Streaming Amplifier CI SA2-120

NAD CI SA2-120

BluOS Streaming Amplifier Module

The NAD CI SA2-120 BluOS Streaming Amplifier Module delivers powerful, transparent sound and advanced control in a compact 1U height, 1/3 width design. Using the ChassisLink system, up to three Modular Series units can be combined side-by-side in a single rack space. Powered by NAD's DirectDigital™ amplification and dual stereo speaker outputs, it delivers 2 x 120 W or 4 x 60 W output. Its high-current, load-invariant design ensures clean, detailed audio even with long cable runs or challenging impedance, while Dynamic Power Management optimises power distribution based on the number of speakers connected. The BluOS high-resolution multi-room streaming platform provides access to over 20 streaming services, internet radio, and local content, with seamless control via app or integration with leading automation systems.

Part of NAD's Modular Custom Install Series, the CI SA2-120 is built for performance, versatility, and reliability. It can operate as a powerful single zone 2.1 system, or distribute audio evenly across 4 channels in a larger single space, and the dual stereo outputs and 2nd BluOS zone also allows it to be used a 2 zone player, with independent source and volume control over each. A programmable 12V Smart Trigger input enables BluOS functions to be assigned to trigger status changes, providing automation without a control system. Thermostatic fan cooling with front-to-rear airflow ensures stable rack performance, even in tightly stacked installations.

Designed to be used in a rack or discreetly located in a room, the CI SA2-120 offers extensive connectivity including HDMI eARC, Ethernet, dual-band Wi-Fi, aptX HD two-way Bluetooth, AirPlay 2, combo analogue/digital input, IR input with learning via BluOS (IR extender kit required), Smart Trigger, and subwoofer output. Two snap-on 4-pin Phoenix speaker connectors simplify wiring and ensure secure connections. The CI SA2-120 is Dirac Live Ready for precise room correction. Flexible mounting options include wall-mount keyholes, dual-size rack ears, interlocking ChassisLink, and rubber feet for surface placement.

- 2 x 120 W or 4 x 60 W DirectDigital™ amplification
- Dynamic Power Management automatically optimises power distribution
- BluOS Enabled multi-room streaming with access to 20+ services and internet radio
- Dirac Live Ready for room correction
- Dual independent BluOS Zones
- Compact 1/3 width x 1U height with ChassisLink
- aptX HD two-way Bluetooth, AirPlay 2, Spotify Connect, and Tidal Connect
- Inputs: HDMI eARC, combo analogue/digital input
- Outputs: Subwoofer output, snap-on Phoenix speaker connection blocks
- Dual-band Wi-Fi and Gigabit Ethernet
- Programmable 12 V Trigger In
- IR input with learning via BluOS (IR extender kit required)
- Universal AC power supply
- Thermostatic fan cooling with front-to-rear airflow for reliable stacking
- Flexible rack and surface placement options
- Robust drivers for Control4, Crestron, URC, RTI, NICE, Lutron, and KNX
- Remote monitoring via Domotz



CI SA2-120 SPECIFICATIONS

AUDIO

Supported Audio File Formats	MP3, AAC, WMA, WMA-L, OGG, OPUS
Supported High-Quality Audio File Formats	FLAC, MQA, ALAC, WAV, AIFF, MPEG-4 SLS
Supported Multi-Channel Audio Formats	Dolby Digital® Downmixing to stereo PCM
Native Sampling Rates	up to 192 KHz
Bit Depth	16-24
Audio Controls & EQ	BluOS Control App
Signal-to-Noise Ratio Distortion	>102dBA
Distortion	THD+N, 0.005%
Amplification	DirectDigital™
RMS Power (All Channels Driven)	60W (8 & 4Ohms)
RMS Power (2 Channels Driven)	120W (8 & 4Ohms)
IHF Dynamic Power (All Channels Driven)	150W (8 & 4Ohms)
IHF Dynamic Power (2 Channels Driven)	180W (8ohms), 200W (40Hms)

SOFTWARE & INTEGRATIONS

Operating System	BluOS
Number of BluOS Zones	2 Independent Audio Zones
App Controller Operating	iOS, Android, Windows, macOS
System Processor	ARM® Cortex™ -A53, Quad-Core, 1.8GHz per core
Supported Network File Sharing	Server Message Block (SMB) up to 200,000 files
Album Art Supported	JPG, PNG
Music Services & Internet Radio	23+
3rd-Party Integrations	AirPlay 2, Spotify Connect, Tidal Connect
Room Correction Software	Dirac Live Ready (Zone 1 only, calibration mic not included)
Control System Integrations	Creston, Control 4, RTI, Nice, URC, Lutron, Gira, Rako, Rithum, Free@Home, Josh.AI
Voice Control Integrations	Amazon Alexa Skills

CONNECTIONS

Power Supply	Universal 2-pin AC cord input (100-240AC)
Ethernet/LAN	Ethernet RJ45, Gigabit 1000Mbps
Wi-Fi Built In	WiFi 5 (802.11ac), dual-band
Bluetooth Quality	Bluetooth 5.2 aptX HD
Bluetooth Connectivity	Two-Way (Zone 1 only)
IR Optical Built In	No
IR Input	2-pin PHX connector (IR extender kit required)
Optical/Analog Input	Toslink Optical, 3.5mm Analog (Zone 1 Only)
HDMI Input	HDMI eARC (Zone 1 Only)
USB In	Type A (Fat32, NTFS Formatted) - External Storage Only Local Server Mode
Dual Speaker Outputs	Yes, Output 1 = Zone 1, Output 2 = Zone 2
Subwoofer Output	RCA x 1; Wireless to PULSE SUB+ (Linked to Output 1/ Zone 1 only)
Speaker Terminals	2x 4-PIN Snap On PHX 5.08mm Connector, supports up to 12AWG
Headphone Output	None
12v Trigger Input	x1 Configurable Smart Trigger Input
12v Trigger Output	None

USER INTERFACE & CONTROL

Status Indicator	BluOS Status LED
Source Status Indicator	x2, BluOS/Connected Input Live
Output Status Indicator	x2, Output pair 1, Output Pair 2

GENERAL

Finish	Black
Max Power Consumption	240W
Storage Environment	-10°C to 50°C, 20% to 80% relative humidity
Operating Environment	0°C to 40°C
SKU/Version	SA2-120
Generation	1



Front View



Rear View

Product Dimensions

146.5 x 44 x 384 mm
5.77 x 1.73 x 15.11 inches
2.52 kg/5.56 lbs

Dimensions (Shipping, Single Unit)

520 x 228 x 140 mm
20.5 x 9 x 5.5 inches
3.65 kg/8.05 lbs

Dimensions (Shipping, Masterpack)

Units per carton: 6
532 x 470 x 444 mm
23.3kg

* all specifications subject to change without notice

Included Accessories

- 120V AC Power Cord
- 230V AC Power Cord
- 2 x Short rack ears (also used as wall mount brackets)
- 2 x Long Rack ears/Blacking plates
- 2 x Shoulder Bolts + 2 x Rubber Washers (already attached for ChassisLink)
- 2 x 4-PIN Snap On PHX 5.08mm Speaker Connectors
- 1 x 4-PIN PHX Connector for 12v trigger + IR In
- 4x optional stick on rubber feet
- Wi Fi Antenna
- BT Antenna

