

AXXESS FORTÉ

USER GUIDE | STREAMING AMPLIFIER



 **AXXESS**

ABOUT THE PRODUCT

UMAC™ AMPLIFIER TECHNOLOGY – THE KEY TO CONTROL

To achieve maximum performance and inspired by Aavik's development approach, the UMAC™ amplifier technology is used in the Axxess Forté series. This technology has been designed to ensure stability, reliability, and precision in the amplifier.

UMAC technology produces far less high frequency noise and requires less inductive filtering at the output. These advantages give the Axxess Forté amplifier a much better damping factor, and thus a significantly higher level of speaker control.

LOW NOISE AND MAXIMUM POWER SUPPLY

The composition of the music determines the alternating power demands on your amplifier. This places high demands on the amplifier's ability to deliver power with both precision and speed, without any delays in power supply. Such delays increase the noise levels and create an unnatural musical sound.

Axxess Forté is designed with the Aavik-inspired "resonant mode power supply" to increase the operating frequency and allow higher peak power when the music requires it. The noise floor of the power supply remains very low, and is even further reduced by the ultra-low noise controls that power the various parts of the circuit.

PRESERVING THE TRUE SIGNATURE OF THE MUSIC

The challenge of a traditional multi-bit circuit in a DAC section is to cope with increased noise contamination and signal delay, which distort the music with an undesirable "digital signature."

Axxess Forté features a 1-bit circuit, developed in-house that preserves the "analog signature". With fast data processing and insensitivity to noise, the DAC range of the Axxess Forté ensures clarity and precision which enriches the music with serenity.

A TRADITION OF AUDIO DEDICATION

Axxess Forté features a streamer module inspired by the one used in the Aavik streamers. This module, designed as a dedicated audio unit, is equipped with high quality capacitors and does not use any microcomputers. This makes signal processing extremely powerful and radically reduces unwanted noise.

CLOSER TO THE MUSIC

Another key feature of this versatile Axxess Forté amplifier is its headphone section. It is designed as a non-switching Class A amplifier to provide excellent linearity, high gain, and low signal distortion. This allows the listener to explore an undisturbed, authentic musical universe through the headphones.

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ANSUZ TESLA COIL - A CORNERSTONE OF AUDIO GROUP DENMARK

The AnsuZ Tesla coil technologies are emblematic of Audio Group Denmark products from 2011 onward. Therefore, it is only natural to implement these noise cancellation technologies in the Axxess Forté to obtain Audio Group Denmark's signature performance and quality standards. The implementation of AnsuZ Tesla coil technologies in the Axxess Forté makes it a high-quality amplifier series in terms of technology and performance.

DANISH DESIGN - UNIVERSAL PERFORMANCE

Handcrafted in Denmark, the aesthetics of the Axxess Forté models distinguish them as symbols of contemporary Danish hi-fi design. They embody minimalist form and versatile functionality, both firmly rooted in Audio Group Denmark's innovative audio approach.

In 2020, Aavik designed a sophisticated amplifier cabinet made of a natural-based composite material. This material design reduces mechanical influence, especially hysteresis, resulting in a significant audible improvement. The Axxess Forté series is constructed with the same natural-based composite material on the top and bottom, manifesting Audio Group Denmark's commitment to creating aesthetic designs that enhance musical performance.



INSTALLATION

For a basic setup of your Forté, connect power, speakers and network, to use the built-in streamer. Using a cabled network connection is recommended, but if that is not possible, you can connect a WiFi dongle to the Forté. Ask your dealer for advice.

To control the streamer, you will need a phone, tablet or computer on the same network.

A list of suggested possible apps is listed below:

iPad: **Audio Group Denmark**

iPhone: **mconnect Control**

Android: **mconnect Control**

For control from a PC/Mac,
Tidal Desktop or Spotify are possible options.

Download our official streaming app for iPad
"Audio Group Denmark" on the app store



Available on the
App Store



**HANDCRAFTED
IN DENMARK**



SPECIFICATIONS

	Forté 1	Forté 2	Forté 3
LINE INPUT	Maximum input 4.5V RMS Input impedance 10kohm	Maximum input 4.5V RMS Input impedance 10kohm	Maximum input 4.5V RMS Input impedance 10kohm
DIGITAL INPUTS	BNC S/P-DIF: PCM 24-bit 44-192kHz and MQA TOSLINK optical: PCM 24-bit 44-192kHz and MQA USB UAC 2: PCM 32-bit 44-384kHz, MQA, DSD64, DSD128	BNC S/P-DIF: PCM 24-bit 44-192kHz and MQA TOSLINK optical: PCM 24-bit 44-192kHz and MQA USB UAC 2: PCM 32-bit 44-384kHz, MQA, DSD64, DSD128	BNC S/P-DIF: PCM 24-bit 44-192kHz and MQA TOSLINK optical: PCM 24-bit 44-192kHz and MQA USB UAC 2: PCM 32-bit 44-384kHz, MQA, DSD64, DSD128
PREAMP OUTPUT	1 pair of RCA outputs	1 pair of RCA outputs	1 pair of RCA outputs
MAX OUTPUT	7,5Vrms	7,5Vrms	7,5Vrms
DISTORTION, LINE STAGE	<0,005% (THD at 1kHz, 1V input)	<0,005% (THD at 1kHz, 1V input)	<0,005% (THD at 1kHz, 1V input)
OUTPUT IMPEDANCE	50 ohms	50 ohms	50 ohms
VOLUME CONTROL	76 1dB steps	76 1dB steps	76 1dB steps
SPEAKER OUTPUT	2 x 100W 8 ohm	2 x 100W 8 ohm	2 x 100W 8 ohm
DISTORTION (THD+N)	<0,003% (1W, 1kHz, 8 ohm)	<0,003% (1W, 1kHz, 8 ohm)	<0,003% (1W, 1kHz, 8 ohm)
IMD	<0,006% (10W, 8 ohm)	<0,006% (10W, 8 ohm)	<0,006% (10W, 8 ohm)
TIM	<0,003% (10W, 8 ohm)	<0,003% (10W, 8 ohm)	<0,003% (10W, 8 ohm)
STREAMING	UPnP AV 1.0 DLNA 1.5 Spotify Connect Tidal Connect	UPnP AV 1.0 DLNA 1.5 Spotify Connect Tidal Connect	UPnP AV 1.0 DLNA 1.5 Spotify Connect Tidal Connect

	Forté 1	Forté 2	Forté 3
AAVIK NOISE REDUCTION	Active Tesla Coils: 36 Active Square Tesla Coils: 72 Dither circuitry: 3 Anti Areal Resonance Coils: 0	Active Tesla Coils: 72 Active Square Tesla Coils: 144 Dither circuitry: 6 Anti Areal Resonance Coils: 4	Active Tesla Coils: 108 Active Square Tesla Coils: 216 Dither circuitry: 9 Anti Areal Resonance Coils: 4
POWER CONSUMPTION	Standby: <1W Idle: <30W	Standby: <1W Idle: <30W	Standby: <1W Idle: <30W
DIMENSIONS	370 x 420 x 110mm / 14,6 x 16,5 x 4,5 inch.	370 x 420 x 110mm / 14,6 x 16,5 x 4,5 inch.	370 x 420 x 110mm / 14,6 x 16,5 x 4,5 inch.
WEIGHT	7,9kg / 17,4lbs	8,1kg / 17,9lbs	9,0kg / 19,8lbs

HEADPHONE AMP.	Forté 1	Forté 2	Forté 3
HEADPHONE CONNECTOR	1/4" jack	1/4" jack	1/4" jack
LOAD IMPEDANCE	32-600 Ohm	32-600 Ohm	32-600 Ohm
MAX. OUTPUT POWER	120mW, 600ohm 240mW, 32ohm	120mW, 600ohm 240mW, 32ohm	120mW, 600ohm 240mW, 32ohm
THD	600ohm: THD: <0.01% at 120mW 32ohm: THD: <0.005% at 240mW	600ohm: THD: <0.01% at 120mW 32ohm: THD: <0.005% at 240mW	600ohm: THD: <0.01% at 120mW 32ohm: THD: <0.005% at 240mW



We would love to hear about your experience with this product.
Don't hesitate to contact us with feedback or questions.

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