

# Let's get technical.

A38



 **audio pro**

SOUND OF SCANDINAVIA

## INTRODUCTION

At AudioPro we have designed active speakers since 1978. From the legendary A4-14 - an active 3-way standmount and the B2-50 subwoofer all equipped with the patented AceBass technology.

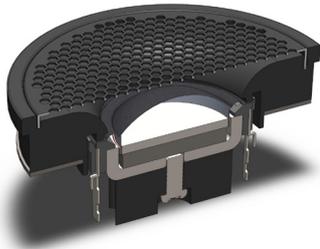
The A38 continues the legacy with the use of state of the art DSP technology. The A38 is a high performance floor standing active stereo loudspeaker. It has 150W of built in amplification with high resolution streaming capability - 24Bit/96KHz. It was conceived to be the perfect partner for the modern TV with ARC (HDMI) connectivity and of course the perfect streaming solution for your favourite music. A38 is a two-way bass reflex design with a cabinet made of MDF (up to 15mm thickness).

## DRIVE UNITS

### High frequency driver

For A38 and A28 we have designed a custom soft dome tweeter to complement our high performance 4,5" midwoofers.

A well designed soft dome tweeter has a special strength in its natural timbre and musicality, something that can be hard to achieve with a metal dome tweeter. The silk textile material is formed under heat and produces a diaphragm that's light but strong and gives the right amount of stiffness and damping properties. A special coating is applied to the dome to improve damping characteristics.

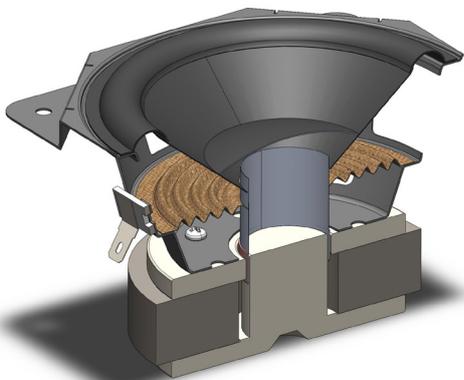


#### Benefits:

- Thanks to the use of natural silk material our high performance soft dome tweeter handles voices and instruments with exceptional clarity and fidelity.
- The wide dispersion gives a larger sweet spot where you can enjoy best possible sound quality.

### Low frequency driver

In A38 we have implemented two custom designed 4,5" high performance midwoofers. They have a combined effective piston area close to a 6,5" woofer. This driver has a carefully treated paper cone to give an outstandingly natural sound reproduction. Dual drivers can handle a lot of power and gives an impressive amount of output even in larger rooms.



#### Benefits:

- The small driver size gives an uncoloured and precise voice reproduction.
- Another advantage of using a small driver is the inherently fast and detailed bass reproduction.
- Thanks to the use of our advanced DSP we can push the woofers far beyond what's possible in a passive speaker. The amount of bass output is very impressive in A38.

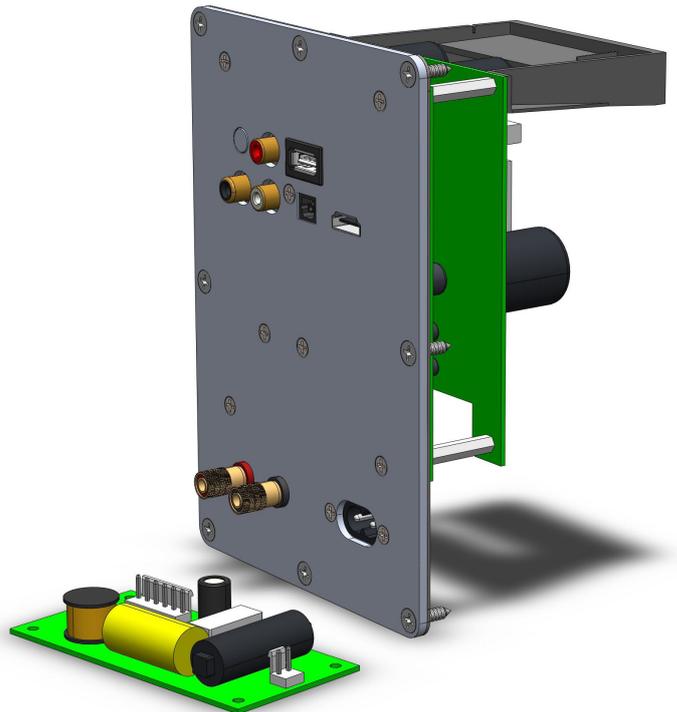
## AMPLIFICATION

### Two channel amplifier

The core of the A38 is a highly efficient, DSP controlled, Class D amplifier with a total power output of 150W, 75W for each channel. The A38 is a hybrid active/passive speaker design and houses a high quality passive crossover in both cabinets. All performance aspects and equalization are controlled with Digital Signal Processing (DSP). The DSP-processor is handselected from legendary Analog Devices.

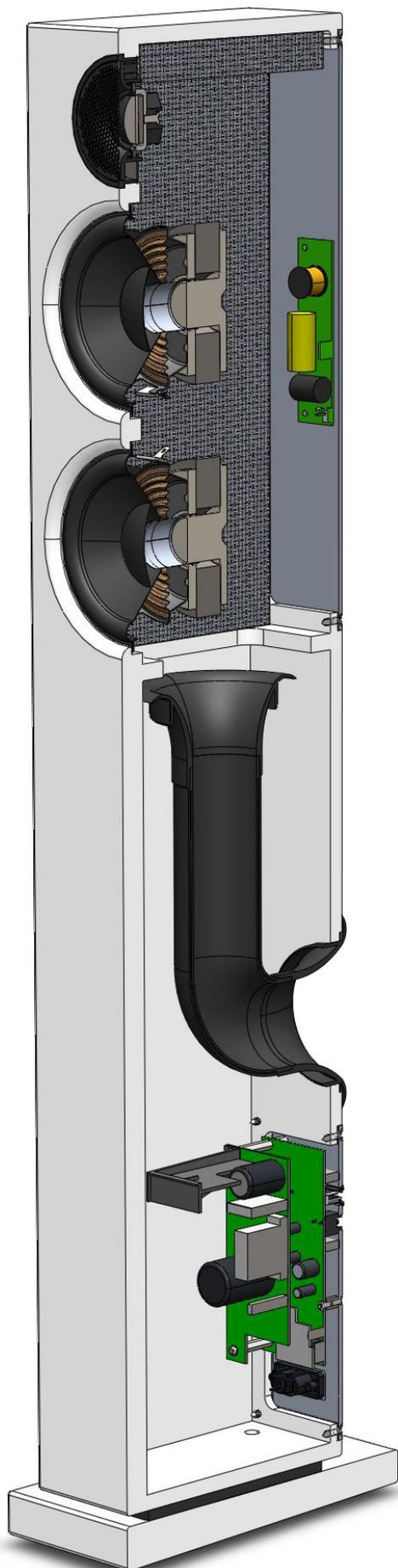
The passive crossover can, thanks to the use of DSP, be kept as simple as possible. The benefit is higher system sensitivity, much improved linearity and a more transparent sound reproduction.

The Left speaker houses all the active electronics and powers the Right speaker using a standard 2-conductor OFC speaker cable.



#### Benefits:

- Thanks to the use of advanced DSP and modern high efficiency Class D amplification the A38 delivers an impressive output and stunning musical realism considering the very modest price.
- The built-in amplifiers are optimized for the drive units and have total control of the speaker even under high peak SPL.



## THE CABINET

### Enclosure design

The cabinet is made from acoustically inert MDF material with thickness up to 15mm. A38 uses a bass reflex design to maximize bass extension and efficiency. With the use of a very large injection moulded and aerodynamically shaped bass vent we can keep air flow noise at a minimum.

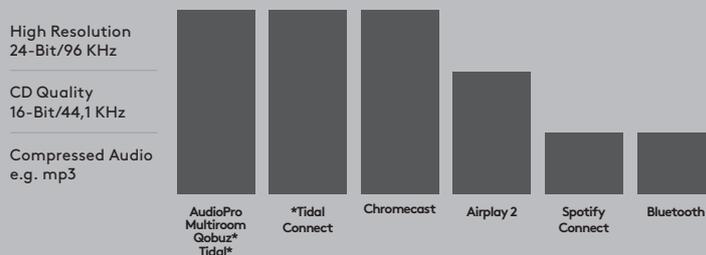
As a finishing touch a selection of satin finish coating is available.

### Benefits:

- MDF as a material is superior in a loudspeaker compared to plastic compounds used by some other manufacturers. The result is a cleaner sound with a more detailed sound stage.
- Thanks to the larger cabinet and dual woofers the A38 gives more bass output compared to the A28. A38 will work great also in larger rooms.

## STREAMING METHODS COMPARISON

AudioPro have worked with WiFi streaming for many years and the diagram below gives a good picture of why we strongly believe that WiFi is the choice for high quality audio products in the home. It's not only beneficial for ultimate streaming resolution - it is also the only way to stream music safely without losing connection when you walk around in your home.



\*You will need a subscription to a music streaming supplier to get access to High Resolution Music.

## INPUTS & OUTPUTS

The A38 has a vast selection of inputs to satisfy all possible requests.

INPUTS	TYPE
WiFi	24Bit/96 KHz
ARC	24Bit/96 KHz
Optical	24Bit/96 KHz
Line	RCA
Bluetooth	BT 4.2
OUTPUTS	
Sub Out	RCA
Speaker Cable	OFC copper 2-conductors, 4m length, stripped and tinned wire end.
Binding Post	Gold plated binding post allows stripped bare cable or 4mm banana connectors.

## DIMENSIONS & WEIGHT

ENCLOSURE SIZE	
Height	832mm
Width	190mm (Base)
Depth	210mm (Base)
Box size	950 x 545 x 280mm (1 Pair)
WEIGHT	
Active (L)	7,8kg
Passive (R)	7,2kg
**Weight, 1 pair	18,1kg

\*\*Shipping



# LEFT SPEAKER

RESET      R      SERVICE

SUB OUT      L      OPTICAL IN      TV/ARC



SOUND OF SCANDINAVIA

**A38**

AC 100-240V ~ 50-60Hz, 2x75 W

DESIGNED & ENGINEERED BY  
AUDIO PRO AB SWEDEN

**CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN

**ATTENTION** RISQUE D'ELECTROCUTION NE PAS OUVRI

SERIAL NO: \_\_\_\_\_

Audio Pro AB, Garnisonsgatan 52, SE-254 66 Helsingborg, Sweden

This device complies with part 15 of the FCC rules. Its operation is subject to the following two conditions:  
1. This device may not cause harmful interference, and  
2. This device must accept any interference received, including interference that may cause undesired operation.

CANICES-3(B)/ NMB-3(B)      FCC ID: 2AGNC-A38  
IC: 20967-A38

CONFORMS TO  
UL STD. 62368-1  
CERTIFIED TO  
CSA STD. C22.2  
No. 62368-1

Intertek  
3114849

NOT SUITABLE FOR IN-WALL MOUNTING

SPEAKER OUT TO RIGHT

+      -

AC 100-240V ~ 50-60Hz, 2x75 W

Chromecast built-in      Works with Apple AirPlay      Bluetooth®

Spotify      TIDAL connect      CE      UK UK NI CA

