

ESPRIT Ex

5^{ème} génération



TRIANGLE
MANUFACTURE ELECTROACOUSTIQUE



1180

The first model to be marketed. It was highly successful with high-end audio dealers who appreciated its originality and technical qualities. Thus began the passion for TRIANGLE.

1980



ZENITH 1

The first loudspeaker to feature drivers designed and manufactured by TRIANGLE. This marked a turning point for the company which decided to further develop their know-how.

1985



ANTAL TZX

The first generation of the now legendary ANTAL loudspeaker range. This slender column paved the way for TRIANGLE's entry into high-end audio.

1994



ANTAL Es

The more technical fourth generation featured a plinth, horn loaded tweeter and compression chamber.

2004



25 years of **passion and innovation** and **18 gold Diapasons** *

Created and designed by TRIANGLE, France

TRIANGLE, the French electro-acoustic system manufacturer has been designing, manufacturing and assembling **high end loudspeakers** for more than **25 years** in the town of Soissons, the cradle of the French monarchy.

Since its early beginnings, TRIANGLE has made **research** and **technological innovation its priorities**, with the ultimate aim of offering music-lovers a **natural sound** of very high quality. TRIANGLE's enthusiastic team of engineers and technicians constantly seek **to improve and innovate**, which is what makes TRIANGLE loudspeakers unique. Each component is designed, engineered and developed according to **technical specifications exclusive to TRIANGLE**.

Triangle was awarded **18 gold Diapasons* in 19 years** for its **no compromise sound reproduction quality**, that embodies the beauty and emotion of music.

*Diapason d'Or is a highly prestigious French award for high-quality sound reproduction equipment.



ANTAL Ex





the **TRIANGLE** sound

“So close to me and so clear, I didn’t feel lonely that evening. I knew that when I played that album I’d be able to get away from it all once more, but I didn’t realize I’d be opening up new horizons. They were all there in my living room, the drummer, guitarists, choirs and violins.

With my eyes closed, in my own home, a new source of inspiration arose in me, I was swept away.

With my eyes open, I just experienced what I hadn’t dared dream of since being a child - sound exactly as it really is, alive and present! It strengthened my belief that compromise is impossible as far as beauty and performance are concerned. ”

With its **ESPRIT Ex** range, TRIANGLE is setting the standard for **new uncompromising demands.**

ESPRIT and Reason

Essential know-how and TRIANGLE’s technology

Sound with a real sense of dynamics, scale, detail and liveliness

Performance and high end technology

Research and the never ending desire to innovate

Integration of simple designs with sleek lines

Temptation to enter the magical world of High-Fidelity and Home-Cinema

Tweeter TZ 2500: natural sound

The tweeter is an essential part of TRIANGLE's history. It's a driver designed to reproduce high-frequency sounds such as the cymbals of a drum set or the strings of a harpsichord. The TRIANGLE TZ2500 tweeter owes its exceptional performance to its design: a titanium dome combined with a compression chamber, favoring high efficiency, minimal sound distortion and excellent directivity. The rapid variations in sound or «transitory sounds» are real to life and reproduce an unrivaled «live» sound image.

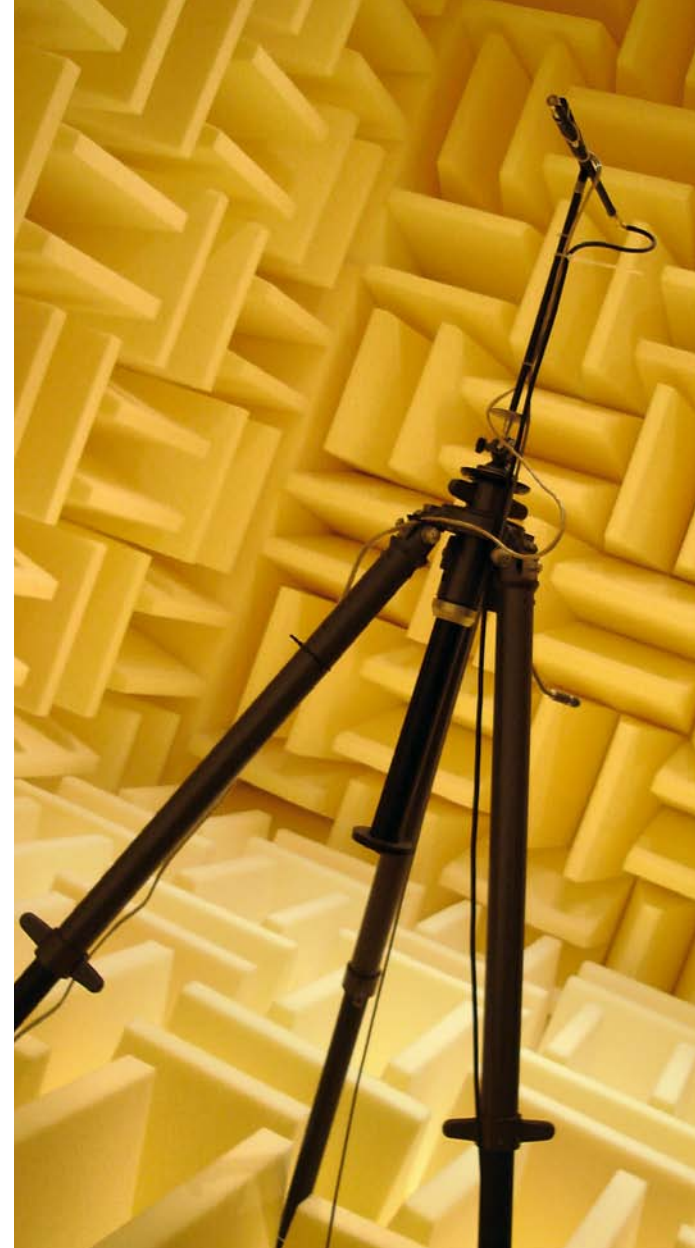


« All the models in the ESPRIT Ex range, including the «Comète», feature a deeper compression chamber, a titanium dome tweeter and PVC was preferred to aluminum.

TRIANGLE has also remodeled the phase plug. When listening, the new tweeter sounds more linear with no fatigue at very high frequencies. The sound is softer and more refined. »

Sam Tellig, Stereophile Magazine.

Acoustic test room used for developing TRIANGLE loudspeakers



astounding reproduction by the midrange

The ESPRIT Ex midrange driver is capable of reproducing all frequencies audible to the human ear. Therefore even the most sensitive ear is capable of perceiving any flaws in the original signal. Based on its experience, TRIANGLE recommends using a cellulose pulp membrane due to its light weight and minimal sound coloration. This membrane, combined with a small pleat peripheral suspension, enables voices to be reproduced with amazing precision.



“Lovers of rich sound, deep colors and soft textures will doubtless appreciate a midrange which is particularly flavorsome and as fruity as a Rhône wine.”

It is quite uncanny just how the voices and wind instruments produce ripples of sensuality. ”

*Philippe Venturini,
Le Monde de la Musique Magazine.*

Testing TRIANGLE's moving parts.



the **bass** composition

The ALTEA Ex and ANTAL Ex are both equipped with the T16EF100SGC1 driver. With its fiberglass membrane, this driver offers an excellent compromise between stiffness and light weight. A small hole in the membrane ensures effective heat dissipation from the voice coil. In terms of listening, the bass is crystal clear and powerful, and the midrange all the more transparent and natural.



« We worked on the cone in order to dampen any remaining resonance in the «upper bass frequencies» after filtering. In the resulting listening tests, the bass sounds as clear and punchy as it should, and the midrange more natural and transparent. »

*Thomas Robert,
Acoustics Dept Manager.*

Stretched jersey grille bearing the TRIANGLE logo



spec technology



The Spec (Single point energy conductor) is a brushed steel point.

Like the cello, it evacuates part of the mechanical energy towards the floor, thus improving sound quality. Cabinet vibration is kept to the minimum and has little effect on sound reproduction.

TRIANGLE's attention to detail makes all the difference.



a well-thought-out cabinet

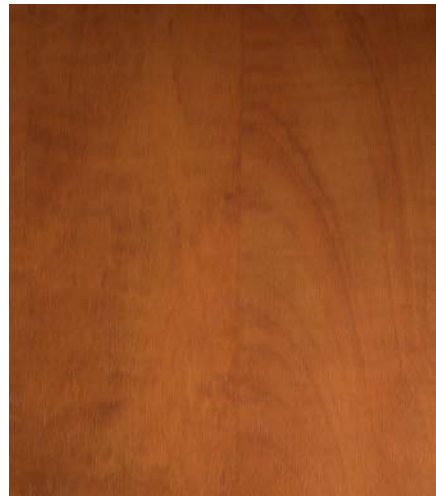
vibration control

Cabinet vibration can significantly impede driver performance and it's therefore an important issue. It can introduce sound distortion and color the musical rendering. A judicious combination of precision volume calculation and bracing enables this phenomenon to be avoided.

choice of finishes

The cabinets offer full quality guarantees. Two finishes are available: the traditional, refined elegance of «cognac» and the contemporary style «black» finish.

Cognac finish



Black finish



the main loudspeakers: rediscover the joy of listening



Universal bookshelf speaker stand with decoupling spikes and designed for sand ballast.



TS200



TITUS Ex

This bookshelf loudspeaker can be easily integrated into a piece of furniture or placed on the TS200 stand. Its 5" driver will produce excellent bass and midrange while retaining the dynamics of the characteristic TRIANGLE sound. Available finishes: cognac or black. Recommended for a 100 - 270 sq ft (10-25 m²) room.

COMETE Ex

This loudspeaker, which is ideally designed to sit on a stand offers the same listening experience as a floor-standing speaker, but takes up less room. The new half-roll rubber suspension bass driver ensures that sufficient speed is maintained. Available finishes: cognac or black. Recommended for a 160 - 320 sq ft (15-30 m²) room.

Number of channels / loudspeaker type
Sensitivity [dB/W/m]
Frequency range [+/- 3dB Hz-kHz]
Power handling [W rms]
Minimum impedance [ohms]
Cabinet dimensions [inc: HxWxD]
Cabinet dimensions [mm: HxWxD]
Net weight [lbs / Kg]

Number of channels / loudspeaker type
Sensitivity [dB/W/m]
Frequency range [+/- 3dB Hz-kHz]
Power handling [W rms]Minimum impedance [ohms]
Cabinet dimensions [inc: HxWxD]
Cabinet dimensions [mm: HxWxD]
Net weight [lbs / Kg]

Number of channels / loudspeaker type
Sensitivity [dB/W/m]
Frequency range [+/- 3dB Hz-kHz]
Power handling [W rms]
Minimum impedance [ohms]
Cabinet dimensions [inc: HxWxD]
Cabinet dimensions [mm: HxWxD]
Dimensions with plinth [inc: HxWxD]
Dimensions with plinth [mm: HxWxD]
Net weight [lbs / Kg]

Number of channels / loudspeaker type
Sensitivity [dB/W/m]
Frequency range [+/- 3dB Hz-kHz]
Power handling [W rms]
Minimum impedance [ohms]
Cabinet dimensions [inc: HxWxD]
Cabinet dimensions [mm: HxWxD]
Dimensions with plinth [inc: HxWxD]
Dimensions with plinth [mm: HxWxD]
Net weight [lbs / Kg]

TITUS Ex

2 / Bass Reflex

91

55-20

60

3,8

12,6 x 7,5 x 11,8

320 x 190 x 300

14,3 / 6,5

COMETE Ex

2 / Bass Reflex

90

50-20

80

4,4

16,5 x 7,9 x 13,2

420 x 200 x 335

18,7 / 8,5

ALTEA Ex

2,5 / Bass Reflex

91

45-20

100

4,4

39,4 x 7,9 x 14

1000 x 200 x 355

41,7 x 14,6 x 15

1060 x 370 x 380

44 / 20

ANTAL Ex

3 / Bass Reflex

91

40-20

120

3,4

42,5 x 7,9 x 14

1080 x 200 x 355

44,9 x 14,6 x 15

1140 x 370 x 380

49,5 / 22,5



ALTEA Ex

This loudspeaker offers an excellent compromise between performance and size. Thanks to its 6,5" diameter, the bass driver will assist the midrange driver to reproduce its frequency range.

Available finishes: cognac or black.

Recommended for a 215 - 430 sq ft [20-40 m²] room.



ANTAL Ex

This is the most complete loudspeaker of the range. The 5" midrange driver was developed exclusively for this model. It's ideal for large rooms and the exceptional sound reproduction of its two bass drivers will transport you to the heart of the concert hall. Available finishes: cognac or black.

Recommended for a 320 - 540 sq ft [30-50 m²] room.





Rediscover the **thrill** of the big screen

“I wanted to experience the perfect union between sound and image without making any concessions whatsoever ...

Faithful I am and faithful I shall remain: what I had discovered on my internal travels when listening to my music, I wanted the identical thing for the screen picture too. ESPRIT had to make the action feel real if it was to captivate me.

That same depth, that same aesthetic and that same impression of being the actor of my passions: a wager won. All I needed to do was increase the levels of my emotions. ”

ESPRIT Ex, Innovative and accessible solutions to **satisfy** your non compromising **emotions**.

Complementary Audio-Video elements



VOCE Ex

This center channel will transport you straight into the world of cinema thanks to its openness and good sound imaging.

With its 5" diameter drivers and suspension system, VOCE is compact but capable of reproducing the lowest frequencies.

Number of channels / loudspeaker type	2 / Bass Reflex
Sensitivity (dB / W / m)	92
Frequency range (+/-3dB Hz-kHz)	60-20
Power handling (W rms)	80
Minimum impedance (ohms)	5,1
Cabinet dimensions (in: HxWxD)	7,5 x 21,1 x 12,2
Cabinet dimensions (mm: HxWxD)	190 x 535 x 310
Net weight (lbs / Kg)	22 / 10



METEOR 0.1 Tc

The ideal complement to the ESPRIT range for forming an audio-video system, this subwoofer was designed to favor speed and dynamics. Its cube shape enables it to fit perfectly into any living space. METEOR 0.1 Tc includes a remote control for adjusting both frequency and level.

Type of loudspeaker	Active subwoofer
Number of drivers	1
Diameter (in / mm)	8 / 210
Frequency range (+/-3dB Hz-kHz)	35-160
Amplifier power (W rms)	100
Remote control	yes
Dimensions (in: HxWxD)	14,6 x 12,6 x 13,4
Dimensions (mm: HxWxD)	370 x 320 x 320
Net weight (lbs / Kg)	31,9 / 14,5



HEYDA Ex

These 5" deep rear channel speakers are ideal for wall mounting. The drivers are very similar to those of the TITUS and reproduce very smooth sound.

The HEYDA Ex drops off at 100 Hz to blend in perfectly with the subwoofer.

Number of channels / loudspeaker type	2 / closed
Sensitivity (dB / W / m)	91
Frequency range (+/-3dB Hz-kHz)	100-20
Power handling (W rms)	60
Minimum impedance (ohms)	3,8
Cabinet dimensions (in: HxWxD)	12,6 x 7,5 x 5,1
Cabinet dimensions (mm: HxWxD)	320 x 190 x 130
Net weight (lbs / Kg)	11 / 5



TS300

Compact universal centre channel stand with adjustable height setting and decoupling system.



TC2250

High-performance 2 x 2,5 mm² flat oxygen free pure copper multi-strand cable.



SILVER
GHOST

Premium quality 8mm round cable made of a combination of silver-plated copper strands and oxygen free fiber oriented copper wire.

the ESPRIT Ex **Audio-Video** combinations



COMETE Ex
+ HEYDA Ex
+ METEOR 0.1 Tc + VOCE Ex



ANTAL Ex
+ HEYDA Ex
+ METEOR 0.1 Tc + VOCE Ex

ESPRIT Ex,
innovative and accessible solutions
to **satisfy** your non-compromising **emotion.**



TRIANGLE
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