

NOVASONARTM

ML
Audio + Carbon GmbH
Lautsprecher-Technik

The new NOVASONAR **DYNAMIC**
Flat-panel loudspeakers with power

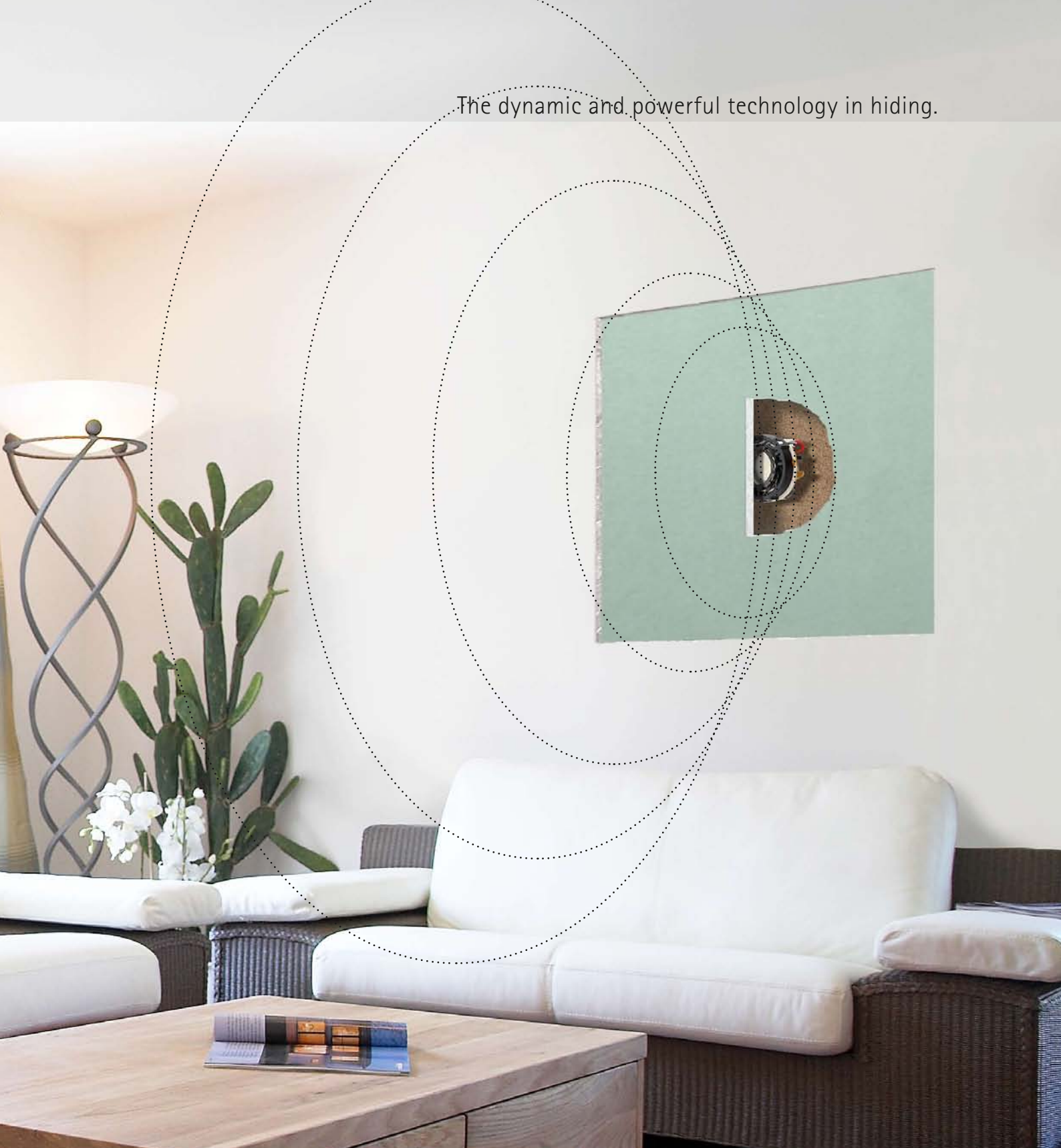


***Dynamics
and precision,
that really get to you***

HiFi sound from non-visible
flat-panel loudspeakers in unrivalled dynamics

www.mlaudio.de

The dynamic and powerful technology in hiding.

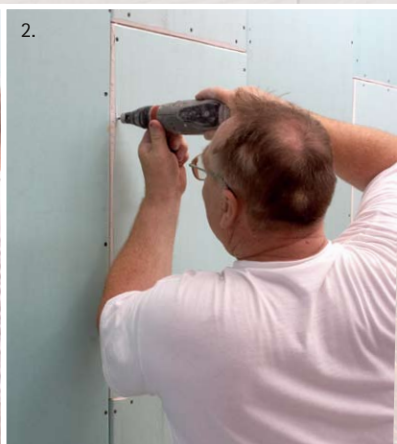


Connect the speaker cables and place the loudspeaker into the provided cut-out.

Attach the loudspeaker to the substructure.

Fill the gap.

Finished!



NOVASONAR DYNAMIC 60 / NOVASONAR DYNAMIC 120



Simply mind-boggling!

The new Novasonar DYNAMIC lives up to its name. DYNAMIC stands for extremely powerful, dynamic and precise HiFi sound, up to now known only from large, highpowered cone speakers hitherto. State-of-the-art technology makes it possible.

The engineering of the Novasonar DYNAMIC

It looks like a gypsum plaster board and fits invisibly into the wall or the ceiling.

The Novasonar DYNAMIC flat-panel loudspeaker works on the principle of an acoustic musical instrument. It is modelled on, for example, guitars and violins. In such musical instruments, the vibrations of the strings are initiated into the sounding board and cause it to vibrate. This vibration is dispersed from its surface as sound. The musical instruments are vibrating sounding bodies.

The Novasonar DYNAMIC flat-panel loudspeaker is also a vibrating sounding body.

It is caused to vibrate by an electro-magnetic voicecoil system, the so-called exciter, and disperses sound from its surface.

Dynamic sound, that really gets to you – coming from the hidden source in the wall or ceiling – the Novasonar DYNAMIC.

Novasonar DYNAMIC 60 specifications

Description:

Flat-panel loudspeaker for integration in dry mortarless construction.

Flat-panel loudspeaker on the principle of the bending-wave transducer. It has a flat-panel membrane caused to vibrate by an exciter mounted on the rear.

Simplest, non-visible integration in dry mortarless construction. The loudspeaker comprises a commercial gypsum plaster board reconstructed to form a flat-panel loudspeaker which is screwed to the existing substructure like a conventional gypsum plaster board. There is **no need** to fill or smooth the loudspeaker membrane.

The frame has a particularly robust design to minimise membrane vibrations to the surrounding structure.

Model Novasonar DYNAMIC 60

Make:	ML Audio+Carbons GmbH
Type:	Novasonar DYNAMIC 60
Dimensions:	500 mm x 625 mm x 12,5 (44) mm
Frequency response:	80 Hz – 18000 Hz
Dispersion angle:	180° x 180°
Power handling:	60 W / 6 Ohm
Sensitivity:	92 dB (1 W / 1 m)
Max. SPL:	108 dB (1 m)

Novasonar DYNAMIC 120 specifications

Description:

Flat-panel loudspeaker for integration in dry mortarless construction.

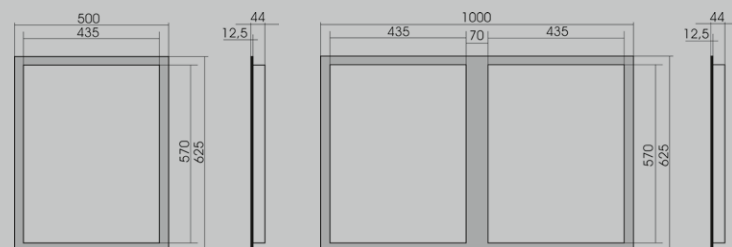
Flat-panel loudspeaker on the principle of the bending-wave transducer. It has a flat-panel membrane caused to vibrate by an exciter mounted on the rear.

Simplest, non-visible integration in dry mortarless construction. The loudspeaker comprises a commercial gypsum plaster board reconstructed to form a flat-panel loudspeaker which is screwed to the existing substructure like a conventional gypsum plaster board. There is **no need** to fill or smooth the loudspeaker membrane.

The frame has a particularly robust design to minimise membrane vibrations to the surrounding structure.

Model Novasonar DYNAMIC 120

Make:	ML Audio+Carbons GmbH
Type:	Novasonar DYNAMIC 120
Dimensions:	1000 mm x 625 mm x 12,5 (44) mm
Frequency response:	80 Hz – 18000 Hz
Dispersion angle:	180° x 180°
Power handling:	120 W / 12 (3) Ohm
Sensitivity:	95 dB (1 W / 1 m)
Max. SPL:	114 dB (1 m)



Novasonar DYNAMIC 60

Novasonar DYNAMIC 120

NOVASONAR DYNAMIC



Powerful HiFi sound from non-visible flat-panel loudspeakers in unrivalled dynamics.

Ideal for spaces in public areas, fair buildings, rooms with sophisticated home entertainment and and and.....



- State-of-the-art technology
- Innovative exciter system with outstanding dynamics
- **Double sound intensity compared to present loudspeakers in dry mortarless construction**
- Fully-fledged home-cinema quality
- Unique sound experience
- Wide dispersion angle
- **Compatible with all conventional audio equipment**
- No boxes any more disturbing the interior design
- Freely integrable in walls and ceilings
- Simplest installation in dry mortarless construction
- Free surface design
- Super flexible soundscape



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