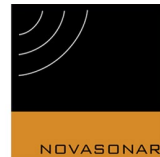


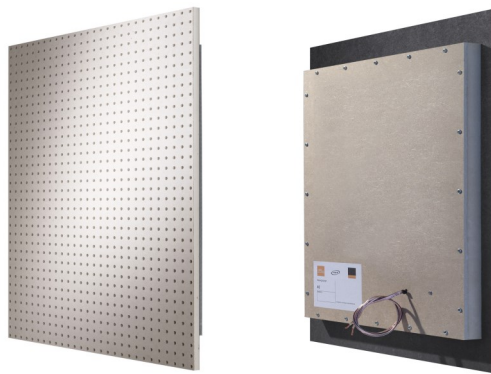
## GL-Series

For drywall coverings made of perforated gypsum boards



### NOVASONAR - Invisible loudspeaker

# GL-Series



#### Power handling: 30 Watts

Dimensions: Min. 500 mm x 625 mm

**GL 30** (Ext. DSP recommended) 2

**GL 30 / PN** (Incl. frequency crossover) 3

#### Power handling: 60 Watts

Dimensions: Min. 500 mm x 625 mm

**GL 60** (Ext. DSP recommended) 4

**GL 60 / PN** (Incl. frequency crossover) 5

**GL 60 Stereo** (Ext. DSP recommended) 6

**GL 60 Stereo / PN** (Incl. frequency crossover) 7

**PN = Integrated frequency crossover**

Please click on the products to open the respective **data specification sheet**

[www.novasonar.de](http://www.novasonar.de)

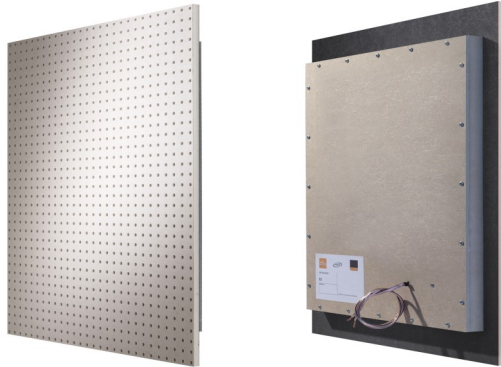
specification sheets

# NOVASONAR GL 30

Invisible sound system for perforated gypsum plaster boards



Building material and the sound system from a single production source



Available in all usual perforated gypsum plaster boards

## Description / Technical data

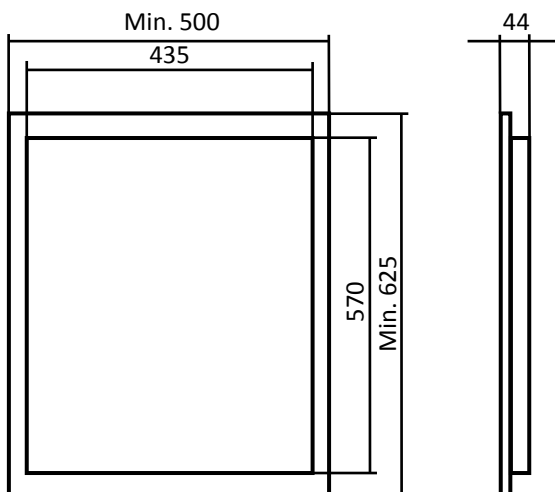
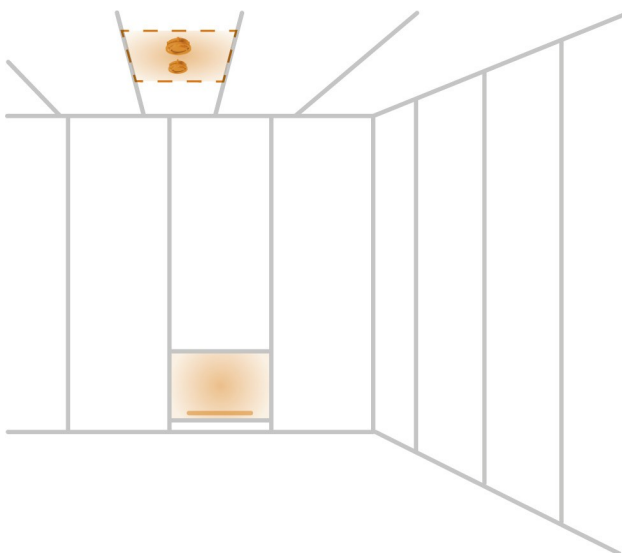
Flat-panel loudspeaker on the principle of the bending wave transducer with a flat panel membrane, which is brought to vibration by electrical exciters mounted to the back.

The loudspeaker comprises a conventional perforated gypsum plaster board with a factory-integrated flat-panel loudspeaker. The board is stripped down to a minimum thickness on the back in the area of the loudspeaker membrane by means of milling and thus causes sound-neutrality. The flat-panel membrane behind the perforation is adapted in colour to the back covering of the perforated gypsum-plaster board.

Materials and assembly do not differ from other construction materials used and as a result, there are no „alien bodies“ in the drywall.

Factory integration of the flat-panel loudspeaker in the building material precludes any errors in installation and guarantees continuously assembly and processing technology in drywall work without material change, therefore ensuring smooth progress on the building site.

After installation, the hole pattern of the ceiling is continuous. The surface can be coated with all conventional materials, such as, for example, paint.



Dimensions (standard):	Minimum 500 mm x 625 mm (depending on the hole pattern)
Building material:	Perforated Gypsum plaster board
Frequency response:	80 Hz – 20000 Hz
EQ:	External
Dispersion:	180° x 180°
Power handling:	30 W / 8 Ω
Optional :	70/100 V
Sensitivity:	80 dB (1 w / 1 m)
Max. SPL:	92 dB (1 m)

Manufacturer: ML-Audio und Carbons GmbH  
Model: Novasonar GL 30

[Back to contents](#)

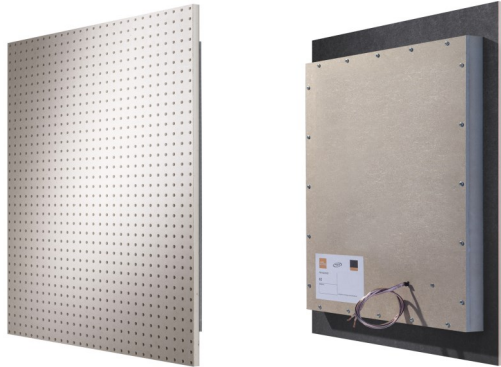
All products subject to technical modification without prior notice. Errors excepted.

# NOVASONAR GL 30 / PN

Invisible sound system for perforated gypsum plaster boards



Building material and the sound system from a single production source



Available in all usual perforated gypsum plaster boards

## Description / Technical data

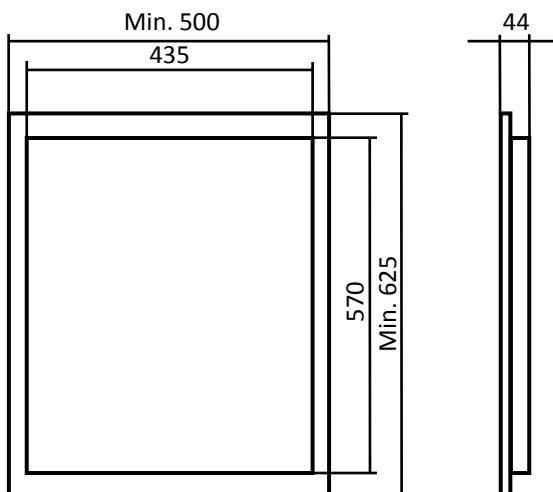
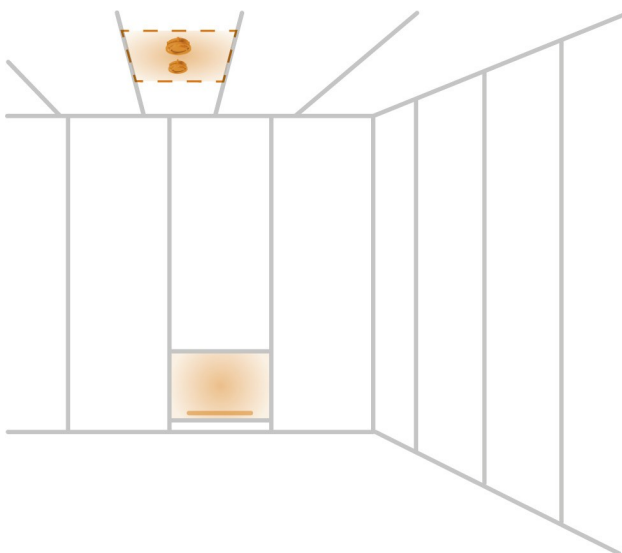
Flat-panel loudspeaker on the principle of the bending wave transducer with a flat panel membrane, which is brought to vibration by electrical exciters mounted to the back and with an integrated frequency crossover/filter.

The loudspeaker comprises a conventional perforated gypsum plaster board with a factory-integrated flat-panel loudspeaker. The board is stripped down to a minimum thickness on the back in the area of the loudspeaker membrane by means of milling and thus causes sound-neutrality. The flat-panel membrane behind the perforation is adapted in colour to the back covering of the perforated gypsum-plaster board.

Materials and assembly do not differ from other construction materials used and as a result, there are no „alien bodies“ in the drywall.

Factory integration of the flat-panel loudspeaker in the building material precludes any errors in installation and guarantees continuously assembly and processing technology in drywall work without material change, therefore ensuring smooth progress on the building site.

After installation, the hole pattern of the ceiling is continuous. The surface can be coated with all conventional materials, such as, for example, paint.



Dimensions (standard):	Minimum 500 mm x 625 mm (depending on the hole pattern)
Building material:	Perforated Gypsum plaster board
Frequency response:	80 Hz – 20000 Hz
EQ:	PN-integrated crossover
Dispersion:	180° x 180°
Power handling:	30 W / 8 Ω
Optional :	70/100 V
Sensitivity:	80 dB (1 w / 1 m)
Max. SPL:	92 dB (1 m)

Manufacturer: ML-Audio und Carbons GmbH  
Model: Novasonar GL 30 / PN

[Back to contents](#)

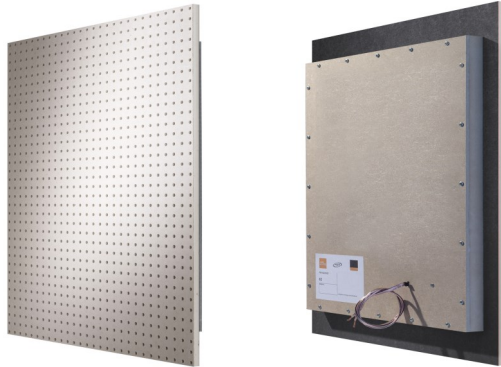
All products subject to technical modification without prior notice. Errors excepted.

# NOVASONAR GL 60

Invisible sound system for perforated gypsum plaster boards



Building material and the sound system from a single production source



Available in all usual perforated gypsum plaster boards

## Description / Technical data

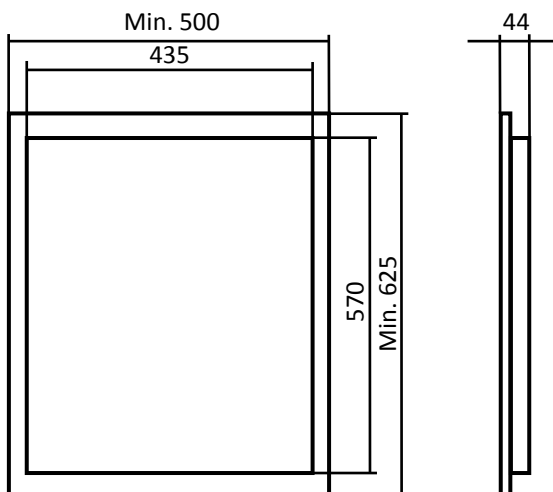
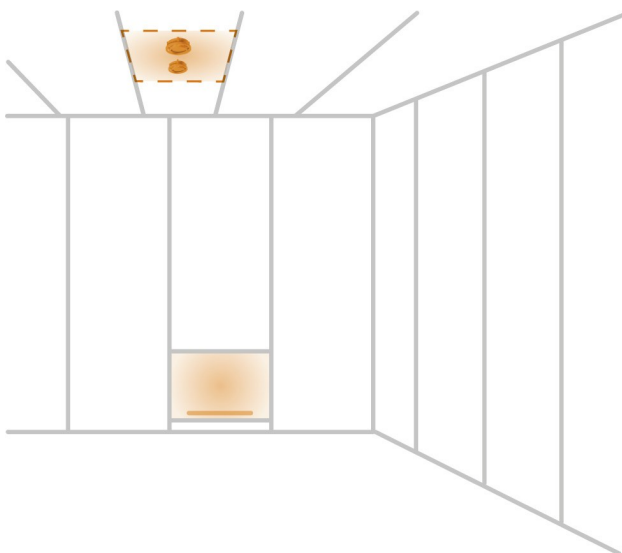
Flat-panel loudspeaker on the principle of the bending wave transducer with a flat panel membrane, which is brought to vibration by electrical exciters mounted to the back.

The loudspeaker comprises a conventional perforated gypsum plaster board with a factory-integrated flat-panel loudspeaker. The board is stripped down to a minimum thickness on the back in the area of the loudspeaker membrane by means of milling and thus causes sound-neutrality. The flat-panel membrane behind the perforation is adapted in colour to the back covering of the perforated gypsum-plaster board.

Materials and assembly do not differ from other construction materials used and as a result, there are no „alien bodies“ in the drywall.

Factory integration of the flat-panel loudspeaker in the building material precludes any errors in installation and guarantees continuously assembly and processing technology in drywall work without material change, therefore ensuring smooth progress on the building site.

After installation, the hole pattern of the ceiling is continuous. The surface can be coated with all conventional materials, such as, for example, paint.



Dimensions (standard):	Minimum 500 mm x 625 mm (depending on the hole pattern)
Building material:	Perforated Gypsum plaster board
Frequency response:	80 Hz – 20000 Hz
EQ:	External
Dispersion:	180° x 180°
Power handling:	60 W / 4 Ω (Optional 16 Ω)
Optional :	70/100 V
Sensitivity:	83 dB (1 w / 1 m)
Max. SPL:	101 dB (1 m)

Manufacturer: ML-Audio und Carbons GmbH  
Model: Novasonar GL 60

[Back to contents](#)

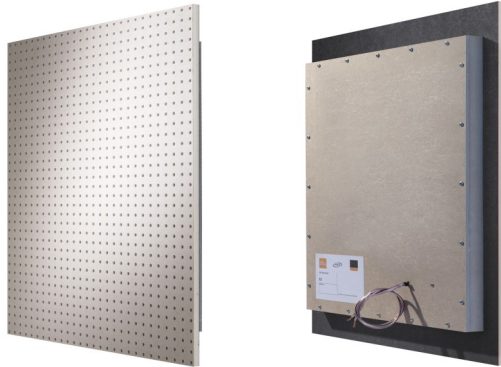
All products subject to technical modification without prior notice. Errors excepted.

# NOVASONAR GL 60 / PN

Invisible sound system for perforated gypsum plaster boards



Building material and the sound system from a single production source



Available in all usual perforated gypsum plaster boards

## Description / Technical data

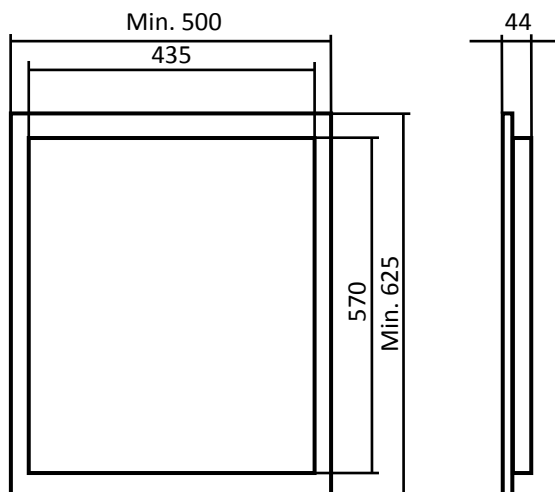
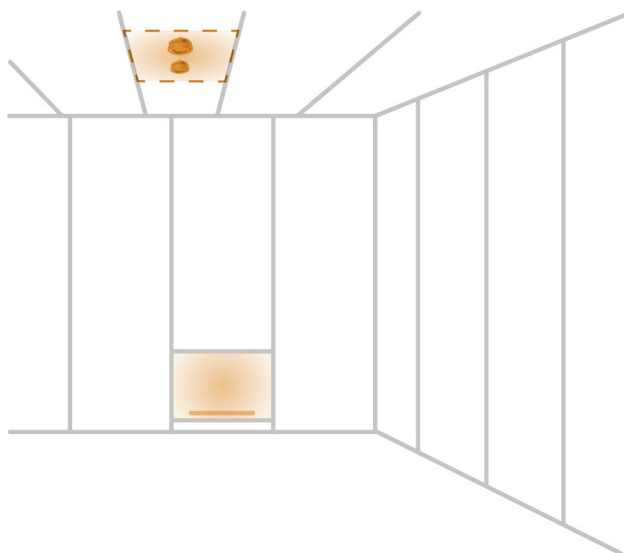
Flat-panel loudspeaker on the principle of the bending wave transducer with a flat panel membrane, which is brought to vibration by electrical exciters mounted to the back and with an integrated frequency crossover/filter.

The loudspeaker comprises a conventional perforated gypsum plaster board with a factory-integrated flat-panel loudspeaker. The board is stripped down to a minimum thickness on the back in the area of the loudspeaker membrane by means of milling and thus causes sound-neutrality. The flat-panel membrane behind the perforation is adapted in colour to the back covering of the perforated gypsum-plaster board.

Materials and assembly do not differ from other construction materials used and as a result, there are no „alien bodies“ in the drywall.

Factory integration of the flat-panel loudspeaker in the building material precludes any errors in installation and guarantees continuously assembly and processing technology in drywall work without material change, therefore ensuring smooth progress on the building site.

After installation, the hole pattern of the ceiling is continuous. The surface can be coated with all conventional materials, such as, for example, paint.



Dimensions (standard):	Minimum 500 mm x 625 mm (depending on the hole pattern)
Building material:	Perforated Gypsum plaster board
Frequency response:	80 Hz – 20000 Hz
EQ:	PN-integrated crossover
Dispersion:	180° x 180°
Power handling:	60 W / 4 Ω
Optional :	70/100 V
Sensitivity:	83 dB (1 w / 1 m)
Max. SPL:	101 dB (1 m)

Manufacturer: ML-Audio und Carbons GmbH  
Model: Novasonar GL 60 / PN

[Back to contents](#)

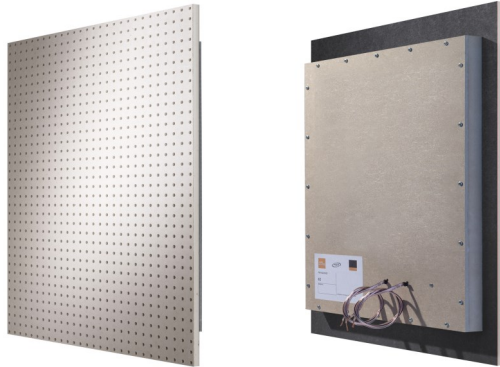
All products subject to technical modification without prior notice. Errors excepted.

# NOVASONAR GL 60 Stereo

Invisible sound system for perforated gypsum plaster boards



Building material and the sound system from a single production source



Available in all usual perforated gypsum plaster boards

## Description / Technical data

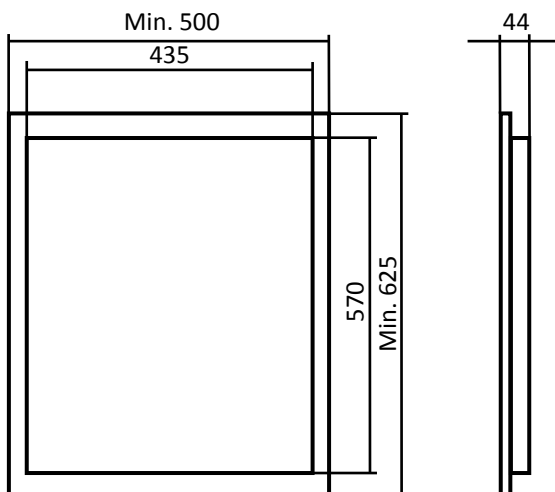
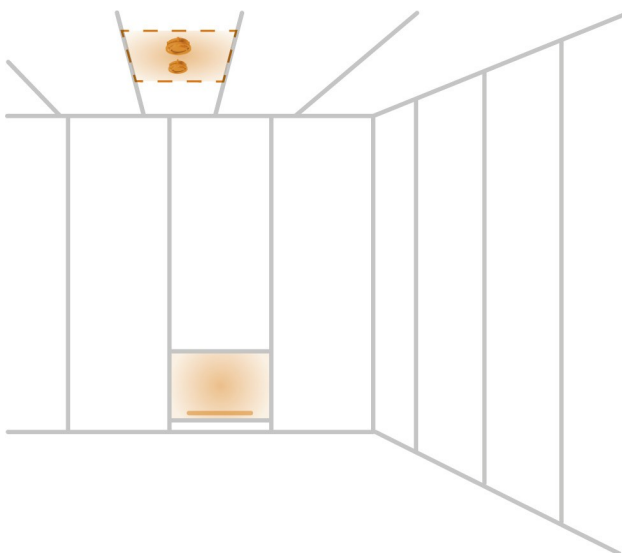
Flat-panel loudspeaker on the principle of the bending wave transducer with a flat panel membrane, which is brought to vibration by electrical exciters mounted to the back and dual channel input for stereo applications.

The loudspeaker comprises a conventional perforated gypsum plaster board with a factory-integrated flat-panel loudspeaker. The board is stripped down to a minimum thickness on the back in the area of the loudspeaker membrane by means of milling and thus causes sound-neutrality. The flat-panel membrane behind the perforation is adapted in colour to the back covering of the perforated gypsum-plaster board.

Materials and assembly do not differ from other construction materials used and as a result, there are no „alien bodies“ in the drywall.

Factory integration of the flat-panel loudspeaker in the building material precludes any errors in installation and guarantees continuously assembly and processing technology in drywall work without material change, therefore ensuring smooth progress on the building site.

After installation, the hole pattern of the ceiling is continuous. The surface can be coated with all conventional materials, such as, for example, paint.



Dimensions (standard):	Minimum 500 mm x 625 mm (depending on the hole pattern)
Building material:	Perforated Gypsum plaster board
Frequency response:	80 Hz – 20000 Hz
EQ:	External
Dispersion:	180° x 180°
Power handling:	2 x 30 W / 2 x 8 Ω
Optional :	70/100 V
Sensitivity:	83 dB (1 w / 1 m)
Max. SPL:	101 dB (1 m)

Manufacturer: ML-Audio und Carbons GmbH  
Model: Novasonar GL 60 Stereo

[Back to contents](#)

All products subject to technical modification without prior notice. Errors excepted.

# NOVASONAR GL 60 Stereo / PN

Invisible sound system for perforated gypsum plaster boards



Building material and the sound system from a single production source



Available in all usual perforated gypsum plaster boards

## Description / Technical data

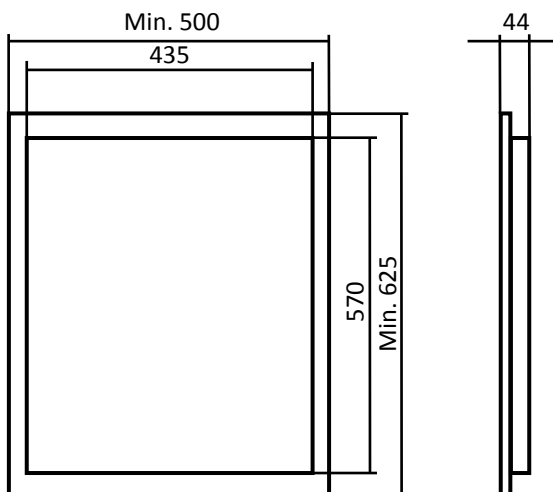
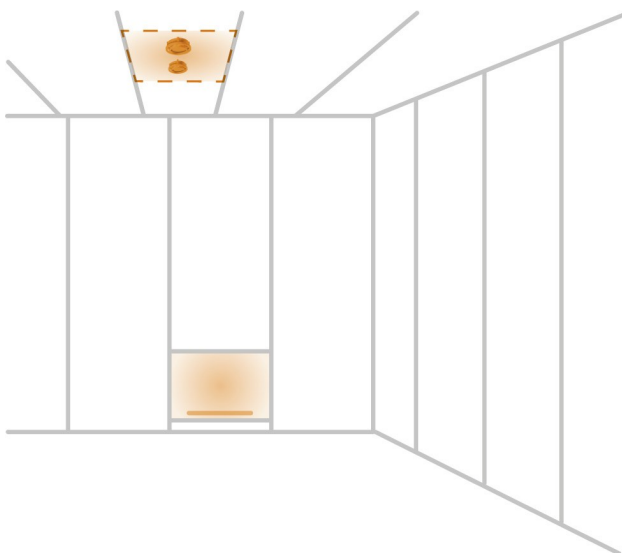
Flat-panel loudspeaker on the principle of the bending wave transducer with a flat panel membrane, which is brought to vibration by electrical exciters mounted to the back and with two integrated frequency crossovers/filters for dual channel input for stereo applications.

The loudspeaker comprises a conventional perforated gypsum plaster board with a factory-integrated flat-panel loudspeaker. The board is stripped down to a minimum thickness on the back in the area of the loudspeaker membrane by means of milling and thus causes sound-neutrality. The flat-panel membrane behind the perforation is adapted in colour to the back covering of the perforated gypsum-plaster board.

Materials and assembly do not differ from other construction materials used and as a result, there are no „alien bodies“ in the drywall.

Factory integration of the flat-panel loudspeaker in the building material precludes any errors in installation and guarantees continuously assembly and processing technology in drywall work without material change, therefore ensuring smooth progress on the building site.

After installation, the hole pattern of the ceiling is continuous. The surface can be coated with all conventional materials, such as, for example, paint.



Dimensions (standard):	Minimum 500 mm x 625 mm (depending on the hole pattern)
Building material:	Perforated Gypsum plaster board
Frequency response:	80 Hz – 20000 Hz
EQ:	PN-integrated crossovers
Dispersion:	180° x 180°
Power handling:	2 x 30 W / 2 x 8 Ω
Optional :	70/100 V
Sensitivity:	83 dB (1 w / 1 m)
Max. SPL:	101 dB (1 m)

Manufacturer: ML-Audio und Carbons GmbH  
Model: Novasonar GL 60 Stereo / PN

[Back to contents](#)

All products subject to technical modification without prior notice. Errors excepted.

# NOVASONAR Invisible Sound System

WITH THE INTELLIGENT INTEGRATION CONCEPT FOR A PERFECT INSTALLATION



## **ML-Audio und Carbons GmbH**

Lautsprechertechnik

Am Hemel 2 A

55124 Mainz

Germany

Tel. +49 6 131 60 30 723

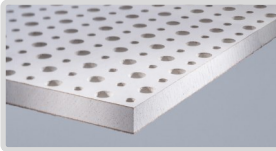
Fax +49 6 131 60 30 796

Email: [info@mlaudio.de](mailto:info@mlaudio.de)

[Back to contents](#)

Data sheets valid from 2019/09/01





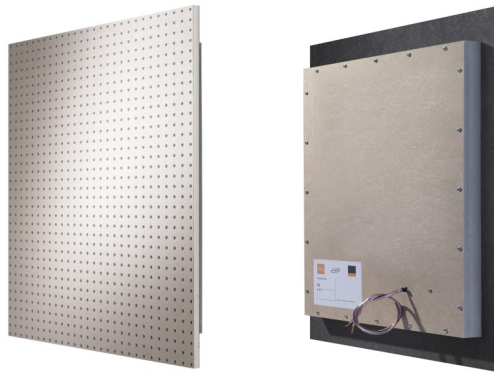
## GL-Series

For drywall coverings made of perforated gypsum boards



NOVASONAR - Invisible loudspeaker

## GL-Series



### Power handling: 30 Watts

Dimensions: Min. 500 mm x 625 mm

**GL 30** (Ext. DSP recommended)

**GL 30 / PN** (Incl. frequency crossover)

### Power handling: 60 Watts

Dimensions: Min. 500 mm x 625 mm

**GL 60** (Ext. DSP recommended)

**GL 60 / PN** (Incl. frequency crossover)

**GL 60 Stereo** (Ext. DSP recommended)

**GL 60 Stereo / PN** (Incl. frequency crossover)

**PN = Integrated frequency crossover**

Available in all usual perforated gypsum  
plaster boards

[www.novasonar.de](http://www.novasonar.de)

Product overview