



X10 EVO Audio System Speaker User Manual

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X10 *EVO*

X10 EVO Audio System Speaker



Product Information

X10 EVO

The X10 EVO is a high-performance speaker designed for audio enthusiasts. It features advanced technology and high-quality materials to deliver exceptional sound quality.

Specifications

Weight	External Diameter (a)	Installation Diameter (b)	Magnet Diameter (c)	Total Installation Depth (d)	Installation Depth (e)
11 kg	277 mm	238 mm	170 mm	164 mm	157 mm

Speaker Parameters

Power	SPL (2,83 V, 1m)	Frequency Range	DC Resistance	Nominal Impedance	Resonance Frequency	Voice Coil Diameter	X-Max Linear Excursion
2x 500 Watt	2x 300 dB	40-140 Hz	2x 1.9 Ohm	2x 2 Ohm	29.6 Hz	76.5 mm	30 mm

Recommended Cabinets

All calculations including woofer and bass reflex tube.

- Geschlossen / sealed – 22 Liter
- Bass Reflex / Vented – VBR 30 Liter
- Band Pass – V1 20 Liter, V2 12 Liter

Product Usage Instructions

Installation Tips

Before installing the X10 EVO, please consider the following mechanical installation tips:

- Ensure the installation area is suitable for the speaker's dimensions.
- Make sure to leave enough space for the required installation depth.
- Follow the recommended cabinets for optimal performance.

Mounting Instructions

1. Choose a suitable location for the speaker installation.
2. Place the speaker in the desired position.
3. If using a sealed cabinet, ensure it has a volume of 22 liters. If using a vented cabinet, use one with a volume of 30 liters. For a bandpass cabinet, use a V1 volume of 20 liters and a V2 volume of 12 liters.
4. Secure the speaker in place using appropriate mounting hardware.

FAQ (Frequently Asked Questions)

- **Q: What is the power rating of the X10 EVO?**

A: The X10 EVO has a power rating of 2x 500 Watts.

- **Q: What is the frequency range of the X10 EVO?**

A: The X10 EVO has a frequency range of 40-140 Hz.

- **Q: What is the recommended cabinet volume for the X10 EVO?**

A: The recommended cabinet volumes are 22 liters for sealed cabinets, 30 liters for vented cabinets, and V1 20 liters and V2 12 liters for bandpass cabinets.

- **Q: Can I use the X10 EVO in a car audio system?**

A: Yes, the X10 EVO can be used in car audio systems. However, ensure that the installation space and power supply are compatible with the speaker's specifications.

Thank You

- Congratulations on purchasing a high-quality
- AUDIO SYSTEM product incl. GERMAN SOUND. Important: Completely read this operating instruction before installation and use of the device.
- **Attention:** Pay attention to advice and instructions of the car manufacturer. Check the polarity when connecting the speakers. Important: You will need your purchase receipt as proof of purchase for all warranty repairs and for insurance purposes. Keep your receipt, owner's manual and packing materials in a safe location for possible future use.
- **Attention:** Use of sound components can impair your ability to hear necessary traffic sounds and may constitute a hazard while driving your automobile. AUDIO SYSTEM GERMANY accepts no liability for hearing loss, bodily injury, or property damage because of use or misuse of our products.
- We recommend installing the equipment by an authorized service center or dealer. A professional fitting and connection are the requirement for further warranty and perfect sound.

X10 *EVO*



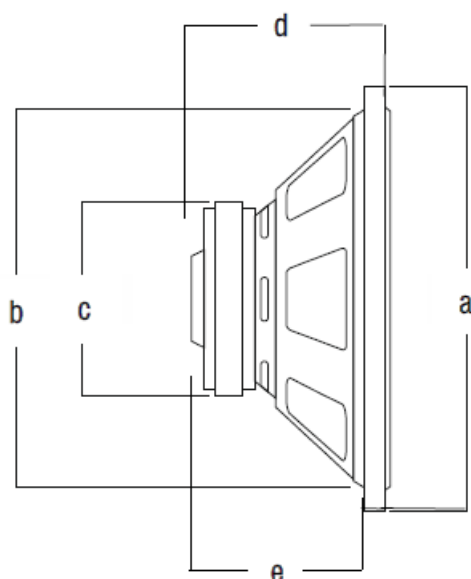
Mechanical Installation Tip

- **Warning:** First disconnect negative pole of your car battery. Check polarity-changing polarity may cause serious damages to your car electric. Best speaker positions are the original build in positions. Easy installation and originality are the reasons. Please note that the speakers are flat and stable. The quality of the installation decides the sound very much; therefore, attention should be paid to insulation and care during installation. Please note that the speakers are protected from heat, sunlight, mechanical influences, moisture, and wetness by accessories from AUDIO SYSTEM.
- **Attention:** Lay all cables as straight as possible without squashing or laying them over sharp edges. Otherwise, this can cause short circuit or damages to your whole installation.
- **Attention:** Be careful removing original plastic parts of your car. The fitting parts could be damaged and must be replaced. Important: The right polarity of all speakers is extremely important for the sound of your car audio system. We recommend changing polarity of the tweeter finding out the best possible sound.
- The best is to listen or measure it with.

Data sheet

Dimensions / Specifications

11	Kilogramm	Weight	
277	mm	External Diameter	(a)
238	mm	Installation Diameter (b)	
170	mm	Magnet Diameter	(c)
164	mm	Total Installation Depth (d)	
157	mm	Installation Depth	(e)
KPC Papier	KPC Paper	Speaker Cone	
Elasthan	Elasthan	Surround/Edge	
Aluguss	Aluminum Dicast	Basket	
PPTA Connex	PPTA Connex	Spider	
Aluminium	Aluminum	Coil Former	
Glasfaser	Glass Fibre	Dust Protection Cap	

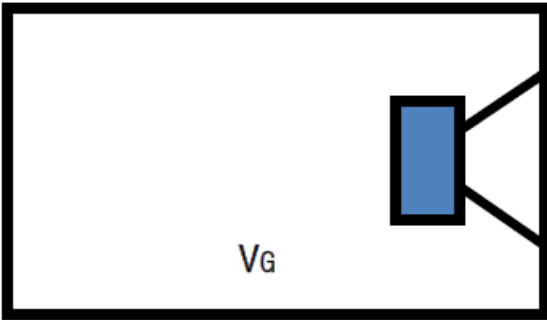


Speaker Parameters

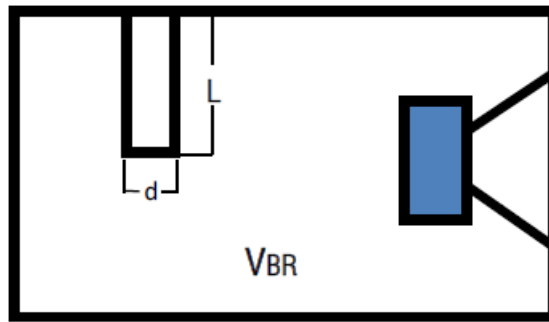
Music	2x 500	Watt	Power
RMS	2x 300	Watt	
dB	89,9	dB	SPL
Fb	40-140	Hz	Frequency Range
Re	2x 1,9	W	DC Resistance
Zn	2x 2	W	Nominal Impedance
Fs	29,6	HZ	Resonance Frequency
D	76.5	mm	Voice Coil Diameter
+/-	30	mm	X-Max Linear Excursion
Qms	5,29	Qms	Mechanical Q Factor
Qes	0,38	Qes	Electrical Q Factor
Qts	0,36	Qts	Total Q Factor
Mms	225,8	Gramm	Moving Mass
Vas	14,64	Liter	Equivalent Air Volume
Bl	21,9	Tm	Force Factor
Sd	330	cm²	Effective Membrane Surface

Recommended Cabinets

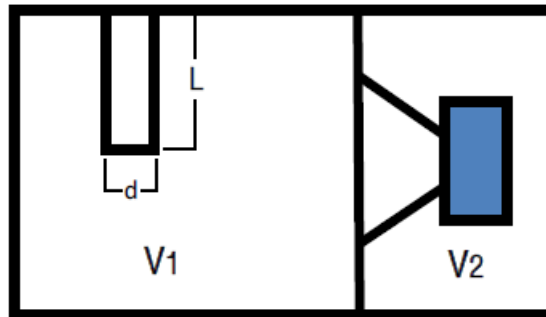
All calculations including woofer and bass reflex tube.



sealed	VG	22	Liter




Vented	Ft	40	Hz
	VBR	30	Liter
	d	90	mm
	L	250	mm



Pass	Fm	58	Hz
	V1	20	Liter
	V2	12	Liter
	d	90	mm
	L	200	mm

www.audio-system.de

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	<p>AUDIO SYSTEM X10 EVO Audio System Speaker [pdf] User Manual</p> <p>X10 EVO Audio System X10 EVO Audio System Speaker, X10 EVO, Audio System Speaker, System Speaker, Speaker</p>
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References

- [User Manual](#)