



*...is all you need*



SXX1202

SXX1204

SXX1502

SXX1504

SXXENON RELEASE THE BEAST **v.2**

## CONGRATULATIONS !

You now own an EXCURSION SXX.v2 XENON Subwoofer, the new Generation product of an uncompromising design and german engineering philosophy. A product made from and for Car Audio fanatics who truly believe in the relentless pursuit of perfection. A product made for the single goal to be the ultimate Leader on the street who represent a new built up EXCURSION AMG Performance Level all over the range

EXCURSION Subwoofers are the result of several decades of product improvements, competition, innovation and highest quality parts and control standards in industry. When properly installed these speakers will provide you with many years of listening pleasure and are the perfect balance between high fidelity, extreme performance and long-lasting reliability.

Should your SXX.v2 Subwoofer ever need a service, Please record your information on the following lines to refer to in the event that you may need it later.

Dealer's Name \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Installation Shop \_\_\_\_\_

Installation Date \_\_\_\_\_

At EXCURSION Intl. we are confident you will have many years of outstanding enjoyment from your high performance investment. For maximum performance we recommend that you have your new EXCURSION SXX.v2 Subwoofer installed by an exclusive Authorized EXCURSION Dealer

To learn more about EXCURSION, please visit us on the World Wide Web at

<http://www.excursion.us>

### **CAUTION !**

Continuous exposure to sound pressure levels in excess of 100dB can cause permanent hearing loss. EXCURSION Speakers are capable of producing sound pressure levels well over 170dB. Please observe all local sound ordinances while listening to your EXCURSION System. EXCURSION Intl. accepts no liability for hearing loss, bodily injury, or property damage due to the result of use or misuse of this product.

## EXCURSION SXX.v2 SUBWOOFER FEATURE

SXX.v2 Beasts start new history with the rarely difference of luxury individually Designs to suit exact to fact size. 12" & 15" do serious consider each Motor and Transmission relativ to their different moving masses and excursion. With reference 15" new Tripple Stack Motor grew 25% in size and upgrade Magnetforce more than 40%. Means now SXX.v2 reach already 80% of the XXX Motor Power. Effect that the SXX.v2 AMG Level therefor got capable to benefit with our Competition designed MXT Voice Coil and more Formula ONE Genetics. This black wolf in a sheep dress means 50% more VC RollRange at lightweight & air vented aluminium formers. This means a 40% more X-Max are travelling in the 8 holes back vented VC Gap with a clear more on power handling than before.

SXX.v2 with 40% more Force and X-Max forced us to renew Bounce&Surround System to upper new AMG Level. New HDR (70:5 High Density & High Roll ) Surrounds, even Formula ONE, choose BEST between different surround concepts of XXX and MXT. Now solid stitched to hold forever on Kraft Pulp Cone we are today very confident to introduce a new EXCURSION style Art element using passionate blood red colour for the stitching and the spider. Stitching got visible via a smaller Dia of our full size white printed PP inverse Dustcap which works with its air damped and vented chamber with tyypical sound our XENON Beast are famous for.

With smaller Dia of inverse DC (inner surround) visible illustrate a more on depth of cone which get supported with a maximum contrast of our MXT die cast aluminium part gasket, shows a quad of EXCURSION laser cut logos. All invoations could not land in the old filigree 12spoke basket anymore. But SXX.v2 Design even asked for protection against called small MXT or XXX Sub. No easy way to go for us but we understood a new AMG Level demand a standalone identity for a standalone performance. Therefor we are after carefully research and modification very confident to introduce our new massive 6spoke AMG Level die cast basket to Excursion brand for new SXX.v2. This basket with a bigger 8.5" spider landing and Spider Ring asure maximum precision in craftsmanship and are the home of our new blood red colored dual composite linear spiders with Dual 12GA high grade Tinsseal, which are wooven from military standard allen screw terminal to each voice coil.

Our Terminals accept as standard up to 8GA power speaker cables, but are even designed for some optional Dual Hollywood ENERGETIC Terminals (HPST8) to step from 4x 8GA up to 8x 8GA INPUT. SXX.v2 continue truely a very long history of value and excellence according our all you need philosophy.

We are proud to have it done and able to serve with those Beasts for your trunk. Feel deepest frequency waves as crystal clear as Xenon light for your eyes.

### Pre-Installation Instructions:

It is recommended that you have your new EXCURSION SXX.v2 Sub professionally installed by your authorized EXCURSION dealer. This will ensure use of proper installation techniques & materials. If you choose to perform your own installation, the following instruction will give you direction making your purchase complete.

The factors for the port area are manifold and can not be reduced only to depend on the cone area of the woofer that is used. But at least it is a good advice not to go with less than  $1/7$  of the cone area for ported and  $1/4$  for bandpass enclosures.

While you are building up and tuning your sub system you should use a trial-port. This should be longer than calculated or recommended. While tuning the system you can find the best sounding length by shortening the port in approx 2 cm steps. The final tuning in the car does not only result out of what you do with the port. Also the position of the port in the enclosure and surrounding areas and position in the trunk have notable impact. The load-through of rear seats are also uncalculable as well size and construction type of the car. This easy effect with different results.

Please do NOT use carpet or cloth within the port or inside the enclosure. It has bad effects on the air flow. It is recommended to round up the ends of the port and ensure a glossy surface where ever the air moves inside the enclosure or port. The moving air mass will speed up and thank you by producing less side noises.

You can also prevent the port itself from resonating. The techniques are the same as you know from building enclosures or damping doors. You can use energy absorbing material or you can raise the stiffness of the port by bracing.

To have your subwoofer system playing clear and accurate you must follow the idea of an acoustical "dead" workplace, with just the moving cone. First of all, the enclosure itself might be not rigid enough. In most cases you can raise the stiffness by implementing braces, that connect in best way four walls. Or at least stiff up the baffle against back-wall. You can build enclosures with wallthickness of many centimetres, but bracing will have same effect with less weight! Now, when your enclosure is stiff and rigid to save you against bomb attacks, you can put it in your trunk. Do not forget it is important to fix it in the trunk of your car.

**For further direction consult an authorized EXCURSION installation specialist**

If you are intending to use multiple subwoofers in your system, EXCURSION recommends having separate chambers for each subwoofer if the subwoofers will be operated by different amplified signals. This prevents possible cancellation.

**WARNING:** The use of silicone rubber to seal in a speaker will void the Warranty! If sealing is needed to the speaker gasket, use caulking cord or vinyl weather strip.

**IMPORTANT:** Never cut any metal that is an integral part of an automobile's safety or structural support system.

**NOTE:** EXCURSION strongly recommends that you operate the complete audio system at low volume before final installation of your MXT Series Subwoofers. This will allow a trial listening test to set maximum volume without distortion.

**CAUTION:** Make sure that all speaker wiring is fully protected from cutting or wear. Any short circuits developing as a result could severely damage the radio unit or amplifier. Make sure that all speaker wires easily reach the speaker terminals without stress on the wire or connectors.

#### PREPARING FOR INSTALLATION

**Note: The tools listed below may be required for proper installation.**

- \* An electric drill with drill bits
- \* Phillips-head and standard screwdrivers
- \* Crimping tool and needle-nose pliers
- \* Silicon sealant or closed cell weather-stripping
- \* Metal file, Hole saw, Tin Snips, Wire strippers

#### INSTALLATION PRECAUTIONS

**Note: Proceed only if you are a qualified installer otherwise let your dealer do it.**

- \* Always wear protective eyewear when using tools
- \* Turn OFF all stereo and other electrical devices before you begin
- \* Disconnect the (-) negative lead from your vehicle's battery.
- \* Keep the speakers in the package until final installation.
- \* Locate fuel lines, brake lines, oil lines, electrical cables when planning installation.
- \* Check to see clearance behind the mounting surface before installing speakers.
- \* When running speaker wires through sheet metal, be sure to use grommets to properly insulate the wires from metal edges.

## SXX.v2 12-D2 SPECIFICATIONS

Overall Dimensions	317*222	mm
Nominal Power Handling	1500	W/RMS
Transient Power 10ms	4500	W/MAX
Sensitivity	93	SPLO
Frequency Response	40-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	16.5	kg
<b>Electrical Data</b>		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 2	Ohm
<b>Voice Coil and Magnet Parameters</b>		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	13	mm
Max.Linear Excursion	23.5 / 47	mm
Voice Coil bobbin	Aluminium Flat	.
Voice Coil Wire	CCAR	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	19.88	N.A.
<b>T-S Parameters</b>		
Suspension Compliance	Cms	0.067
Mechanical Q Factor	Qms	5.21
Electrical Q Factor	Qes	0.63
Total Q Factor	Qts	0.56
Moving Mass	Mms	283.4
Eq.Cas Air Load( liters)	VAS	21.36
Resonant Frequency	Fs	37.2
Effective Piston Area	SD	471.4

NOTE:TS Measurement Connection: Series

Ported 12" SPL Box :

Internal Volume: 60 Liter  
 VB nett Volume: 50 Liter  
 Port Height: 250 mm  
 Port Wide: 100 mm  
 Port Length: 300 mm  
 F3: 53 Hz - FB: 60 Hz

Ported 12" SQPL Box :

Internal Volume: 80 Liter  
 VB nett Volume: 70 Liter  
 Port Height: 250 mm  
 Port Wide: 100 mm  
 Port Length: 300 mm  
 F3: 45 Hz - FB: 52 Hz

SXX.v2 12-D4 SPECIFICATIONS

Overall Dimensions	317*222	mm
Nominal Power Handling	1500	W/RMS
Transient Power 10ms	4500	W/MAX
Sensitivity	93	SPLO
Frequency Response	40-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	16.5	kg
<b>Electrical Data</b>		
Nominal Impedance	Dual 4	Ohm
DC Resistance	Dual 3	Ohm
<b>Voice Coil and Magnet Parameters</b>		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	13	mm
Max.Linear Excursion	23.5 / 47	mm
Voice Coil bobbin	Aluminium Flat	.
Voice Coil Wire	CCAR	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	12.7	N.A.
<b>T-S Parameters</b>		
Suspension Compliance	Cms	0.067
Mechanical Q Factor	Qms	5.21
Electrical Q Factor	Qes	0.73
Total Q Factor	Qts	0.64
Moving Mass	Mms	254.3
Eq.Cas Air Load( liters)	VAS	21.38
Resonant Frequency	Fs	39
Effective Piston Area	SD	471.4

NOTE: TS Measurement Connection: Paralell

Ported 12" SPL Box :

Internal Volume: 60 Liter  
 VB nett Volume: 50 Liter  
 Port Height: 250 mm  
 Port Wide: 100 mm  
 Port Length: 300 mm  
 F3: 53 Hz - FB: 60 Hz

Ported 12" SQPL Box :

Internal Volume: 80 Liter  
 VB nett Volume: 70 Liter  
 Port Height: 250 mm  
 Port Wide: 100 mm  
 Port Length: 300 mm  
 F3: 45 Hz - FB: 52 Hz

SXX.v2 15-D2 SPECIFICATIONS

Overall Dimensions	394*262	mm
Nominal Power Handling	1500	W/RMS
Transient Power 10ms	4500	W/MAX
Sensitivity	94.0	SPLO
Frequency Response	34-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	20.0	kg
<b>Electrical Data</b>		
Nominal Impedance	Dual 2	Ohm
DC Resistance	Dual 2	Ohm
<b>Voice Coil and Magnet Parameters</b>		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	17	mm
Max.Linear Excursion	21.5 / 43	mm
Voice Coil bobbin	Aluminium Flat	.
Voice Coil Wire	CCAR	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	22.42	N.A.
<b>T-S Parameters</b>		
Suspension Compliance	Cms	0.052
Mechanical Q Factor	Qms	4.91
Electrical Q Factor	Qes	0.93
Total Q Factor	Qts	0.78
Moving Mass	Mms	397.3
Eq.Cas Air Load( liters)	VAS	34.0
Resonant Frequency	Fs	34.0
Effective Piston Area	SD	779.3

NOTE:TS Measurement Connection: Series

Ported 15" SPL Box :

Internal Volume: 90 Liter  
 VB nett Volume: 75 Liter  
 Port Height: 300 mm  
 Port Wide: 125 mm  
 Port Length: 275 mm  
 F3: 50 Hz - FB: 60 Hz

Ported 15" SQPL Box :

Internal Volume: 120 Liter  
 VB nett Volume: 100 Liter  
 Port Height: 300 mm  
 Port Wide: 150 mm  
 Port Length: 300 mm  
 F3: 45 Hz - FB: 54 Hz

SXX.v2 15-D4 SPECIFICATIONS

Overall Dimensions	394*262	mm
Nominal Power Handling	1500	W/RMS
Transient Power 10ms	4500	W/MAX
Sensitivity	94.0	SPLO
Frequency Response	34-300	HZ
Cone Material	Pulp in Matrix	.
Net Weight	20.0	kg
<b>Electrical Data</b>		
Nominal Impedance	Dual 4	Ohm
DC Resistance	Dual 3	Ohm
<b>Voice Coil and Magnet Parameters</b>		
Voice Coil Diameter	76.5	mm
Voice Coil Height	60	mm
HE Magnetic Gap Height	17	mm
Max.Linear Excursion	21.5 / 43	mm
Voice Coil bobbin	Aluminium Flat	.
Voice Coil Wire	CCAR	.
Number Of Layers	4	layers
Magnet System Type	High Flux Ferrite	.
BL Product	13.64	N.A.
<b>T-S Parameters</b>		
Suspension Compliance	Cms	0.049
Mechanical Q Factor	Qms	4.98
Electrical Q Factor	Qes	1.0
Total Q Factor	Qts	0.83
Moving Mass	Mms	389
Eq.Cas Air Load( liters)	VAS	42.4
Resonant Frequency	Fs	35
Effective Piston Area	SD	779.3

NOTE: TS Measurement Connection: Paralell

Ported 15" SPL Box :

Internal Volume: 90 Liter  
 VB nett Volume: 75 Liter  
 Port Height: 300 mm  
 Port Wide: 125 mm  
 Port Length: 275 mm  
 F3: 50 Hz - FB: 60 Hz

Ported 15" SQPL Box :

Internal Volume: 120 Liter  
 VB nett Volume: 100 Liter  
 Port Height: 300 mm  
 Port Wide: 150 mm  
 Port Length: 300 mm  
 F3: 45 Hz - FB: 54 Hz

## SPECIFICATIONS FOR EXCURSION SXX SUBWOOFER SERIES

(Due to Constant Improvements, Specifications and Parameters are subject to change without notice)

Model	Size	Nominal Impedance	Power RMS/PEAK	Sensitivity 1W/1m	Motor Size	Mounting Depth	Inner Dia. Cut out	Outer Dia.	Kg
SXX.v2 12D2	12"/30cm	2x20ohm	1500 RMS 4500 WATT	93 dB	500 oz.	195mm	285mm	317mm	16,5
SXX.v2 15D2	15"/38cm	2x20ohm	1500 RMS 4500 WATT	94 dB	600 oz.	230mm	355mm	394mm	20,0
SXX.v2 12D4	12"/30cm	2x40ohm	1500 RMS 4500 WATT	93 dB	500 oz.	195mm	285mm	317mm	16,5
SXX.v2 15D4	15"/38cm	2x40ohm	1500 RMS 4500 WATT	94 dB	600 oz.	230mm	355mm	394mm	20,0

**CAUTION:** Excursion Subwoofer are capable of producing dangerous SPL levels

**ATTENTION:** Excursion Subwoofer demand at least 50 hours break in time for maximum Performance.



## EXCURSION LIMITED WARRANTY POLICY

EXCURSION Intl. offers limited warranty on EXCURSION products under normal use on the following terms:

**EXCURSION Speakers are to be free of defects in material and workmanship for a period of one year.**

This warranty applies only to EXCURSION products sold to consumers by Authorized EXCURSION Dealers in Germany. Products purchased by consumers from an EXCURSION dealer in another country are covered only by that country's Distributor and not by EXCURSION Intl.

This warranty covers only the original purchaser of EXCURSION product. In order to receive service, the purchaser must provide EXCURSION with the receipt stating the consumer name, dealer, product and date of purchase.

Products found to be defective during the warranty period will be repaired or replaced (with a product deemed to be equivalent) at Excursion`s discretion and will not be liable for incidental or consequential damages. EXCURSION will not warranty this product under the following situations:

- \* **Speakers received with bent frames or water damages**
- \* **Abuse such as holes in the cone, surround or ripped spider**
- \* **Voice coil damage due to amplifier clipping or distortion**
- \* **Product that has not been installed according to this owner manual**

Any implied warranties including warranties of fitness for use and merchantability are limited in duration to the period of the express warranty set forth above. No person is authorized to assume for EXCURSION any other liability in connection with the sale of this product.

**Please call prior your authorized EXCURSION dealer** the product got purchased. In case they are not accessible call 0961-416-0420 for EXCURSION Customer Service. You must obtain an RA# (Return Authorization Number) to return any product to EXCURSION Intl. The RA number must be prominently marked on the outside of the shipping carton or the delivery will be refused. Please pack your return carefully! We are not responsible for items damaged in shipping. Return the defective product along with a copy of the original dated retail sales receipt, plus 10,- EUR for handling and diagnostic evaluation to:

**EXCURSION Intl. - A Division of CHPW**  
**Attn: Returns (RA# ..... )**  
**Neustaedter Str. 20**  
**D-92685 Floss / Germany**



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**EXCURSION - A Division of CHPW**

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