

3.1 EMMA Sound Pressure League (ESPL)

The EMMA Sound Pressure League is made for those kinds of competitors who are (also) interested in the maximum level of volume in their cars – not forgetting about a safe installation and a neat looking appearance.

To guarantee similar conditions and fairness to all competitors, the amount of subwoofers will be regulated in the following terms in most categories:

- All speakers with a diameter equal to or larger than 8" (20 cm) are calculated as woofers.
- It is defined, that one 30cm=12" woofer will be counted as one woofer. Since not all people have 12" woofers installed, the following calculation key will be used for transferring the different woofer sizes into the above classes:

1x	30cm = 12"	Equals	1 woofer
2x	25cm = 10"	Equals	1 woofer
3x	20cm = 8"	Equals	1 woofer
1x	38cm = 15"	Equals	2 woofers
1x	46cm = 18"	Equals	3 woofers

ESPL is split into 4 categories:

3.1.1 ESPL Entry

ESPL Entry is the true entry to ESPL competitions for anybody to find out how well his/her installation is built and how loud the system can play. Competitors will have a chance to get inspired by other competition cars and learn about the potential of their own car for improving SPL performance and installation. For those interested a rulebook and an official EMMA-ESPL competition CD are available. Chances are you will make friends and learn that there is not only competition but also support and fun – even by competitors within the same class. ESPL Entry is truly the entry for the competitor and his vehicle to become part of EMMA.

A competitor is allowed to compete in this category if he/she meets all of the following criteria:

- The vehicle and/or competitor has never competed in any ESPL competition in any other category than ESPL Entry
- The vehicle and/or competitor has never won first place in the category ESPL Entry
- The competitor is no active or retired judge in any car audio organisation
- The competitor is not related to, employed by, or otherwise affiliated with, and/or has not received financial support or other compensation from any manufacturer of mobile audio equipment, or publisher of auto sound related material, retail dealer or other representative of the mobile electronics industry and magazines (also auto sound organising or sanctioning body)
- He/she has neither received, nor expects to receive, financial support or other compensation for promotional consideration from any industry-related person or company for participation in any EMMA Event or promotion
- The mobile electronics system that he/she is entering to the competition should have been purchased through retail channels at retail prices or used. If requested by an event official, proof of purchase (i.e. numbered sales receipt) should be available for verification

Furthermore:

- The audio system can be installed by a professional installer
- No modified or self build equipment is allowed
- The woofers have to be in the trunk area
- The vehicle must be street legal and approximate the "original"
- No extra batteries are allowed
- Everything should be "original" on the car, no modifications or heavy damping, etc.
- No limits on amount of woofers or speakers
- Only one channel of amplification is allowed for all the installed woofers (two channels bridged to one is counted as one)
- In ESPL Entry, there will be **no** national or international Championship.

Typically, certificates will be awarded to all competitors within this category (no trophies). The winner of each class will receive an official, actual EMMA rulebook together with an EMMA ESPL CD and will be invited for participation to the national finals in the category ESPL Experienced. Furthermore, he is invited to compete in the ESPL Experienced category for the rest of the season.

Classifications:

- ESPL Entry - ESPL Entry (One class)

Judging procedure:

- Installation check according to the matrix on the last page.
- Measurement with closed doors
- Measurement with open doors

3.1.2 ESPL Experienced

ESPL Experienced is the entry to international ESPL competition on a slightly higher level than in ESPL Entry. Competitors with a descent installation and SPL- performance will have a fair chance within this category. Only the elementary things are part of the judging. There is a good possibility to learn and improve the installation and the SPL performance step by step by competing in this category – and it is not simply depending on spending more money on the equipment. The most successful competitors within this category will be ready to take the next step towards an even higher level of competition. And with the chance of participating in national and international finals it is a good way to become part of the international EMMA-community and learn what makes EMMA so special – the Great Spirit under the crowd of international competitors and the international EMMA team.

A competitor is eligible to compete in this category if he/she meets all of the following criteria:

- The audio system can be installed by a professional installer
- No modified or self build equipment is allowed
- The woofers have to be in the trunk area
- The vehicle must be street legal and approximate the “original”
- A maximum of two channels of amplification are allowed per physical installed woofer (two channels bridged to one is counted as one)

Furthermore:

- This category is open anyone!
- In ESPL Experienced, there will be a national and an international Championship.

Classifications:

- ESPL Experienced 1 - 1 Woofer
- ESPL Experienced 2 - 2 Woofers
- ESPL Experienced 3 - 3 Woofers

Judging procedure:

- Installation check according to the matrix on the last page.
- Measurement with closed doors
- Measurement with open doors

3.1.3 ESPL Advanced

ESPL Advanced is the step following ESPL Experienced – taking ESPL competition to the next level considering not only the elementary things on the installation site and allowing more changes to the Interior of the vehicle.

The competitors will receive qualified feedback about the SPL-measures and installation of their systems with potential for improvements in the future.

A competitor is eligible to compete in this category if he/she meets all of the following criteria:

- The audio system can be installed by a professional installer
- Modified or self build equipment is allowed
- The woofers have to be installed behind the original B-pillar
- The vehicle must be street legal and approximate the “original” from B-pillar to the front and should look original.
- A maximum of two channels of amplification are allowed per physical installed woofer (two channels bridged to one is counted as one)

Furthermore:

- This category is open to anyone!
- In ESPL Advanced, there will be a national and an international Championship.

Classifications:

- 3 Woofers
- Unlimited

Judging procedure:

- Installation check according to the matrix on the last page.
- Measurement with closed doors / front-windows
- Measurement with open doors / front-windows

3.1.4 ESPL Master

ESPL Master is taking the ESPL competition to a sophisticated level. The top vehicles of this category represent nearly everything achievable in the vehicle environment. The top competitors will be highly respected and set an example to the international crowd of EMMA competitors.

The competitors will receive qualified feedback about the SPL and installation of their mobile electronics-systems with potential for improvements in the future.

A competitor is eligible to compete in this category if he/she meets all of the following criteria:

- The car must not be street legal and can be modified but must be able to drive by its own engine
- At least a drivers seat must be installed (a car-seat, not a bench or a piece of wood to sit on)
- The audio system can be installed by a professional installer
- Modified or self build equipment is allowed
- All woofers have to be installed behind the original B-pillar
- There is no limit on the voltage (so it can be higher than 14,4V)

Furthermore:

- This category is open to anyone!
(The competitors of the other ESPL-categories are welcome to compete in here additionally.)
- In ESPL Master, there will be a national and an international Championship.

Classifications:

- ESPL Master - ESPL Master – (one class)

Judging procedure:

- Installation check according to the matrix on the last page.
- Measurement with closed doors
- Measurement with open doors

Note on microphone placement (only for ESPL Master!)

- The microphone will be on the driver's side, on axis with the steering wheel and positioned at or close to the windshield. The height of the microphone will be measured from the rubber at the top of the windshield, 25 centimetres down.