



# Rules

# ***IASCA Motosounds/Powersounds Description and Rules***

*IASCA Motosounds and Powersounds* are competition formats designed for those who want to show off their motorcycle's, UTV's, ATV's, or three wheeler's sound system, but don't want to get too detailed in the judging of it.

Competitors in a Motosounds or Powersounds Competition only have to arrive at the event, park their vehicle and play their system for the Judges!

Judges will come to the vehicle and evaluate it on 4 scoring categories:

- **Tonal Accuracy** - How natural the system sounds.
- **Sound Quality** - How detailed the sound is in the system at low, medium and high volume levels.
- **System Safety** - How well the equipment is installed and is it properly protected.
- **SPL** - How loud the system can get.

There are 3 Classes in each competition:

<b><i>Motosounds</i></b>	<b><i>Powersounds</i></b>
<b>FAIRING</b>	<b>UTV</b>
<b>BAGGER</b>	<b>AUTOCYCLES</b>
<b>CUSTOM</b>	<b>OTHER</b>

## ***Motosounds class breakdown:***

- **FAIRING CLASS** - For motorcycles/trikes with sound systems in the fairings only - maximum four speakers
- **BAGGER CLASS** - For motorcycles/trikes with sound systems and speakers in the fairing and saddle bags of the bike—four to eight speakers total.
- **CUSTOM CLASS** - For motorcycles/trikes with more than 8 speakers, or motorcycles/trikes with subwoofers

## ***Powersounds class breakdown:***

- **UTV CLASS** - For UTVs and side by sides
- **AUTOCYCLES** - For Polaris Slingshots and other 3 wheeled vehicles such as Can Am Spyders, Vanderhalls, trikes, etc.
- **OTHER CLASS** - For other similar style vehicles such as ATVs, gas or electric power carts or any vehicle that does not fit the criteria for the UTV or AUTOCYCLES classes

## SCORING/JUDGING

Scoring is straightforward; the higher the number, the higher the score. Judges will start at zero (0) and add points based on how the sound system performs in each judging section. The following describes the scoring and judging procedure for each section:

### **TONAL ACCURACY – “How natural the music sounds” (1 to 40 points possible)**

Judges will score the sound system from a standing position outside the vehicle, while listening to music selected by the competitor. There are 4 scoring areas in this section; Sub Bass, Mid Bass, Midrange, High Frequencies. Each scoring area is worth 10 points.

Judges will evaluate these 4 scoring areas at the same time, listening for how well the sound system is able to produce those frequencies and how natural the music sounds. Natural means “Does the guitar sound like a guitar?” “Does the musician sound like they’re supposed to sound?” “Do the other instruments being played sound natural as well?”

### **SOUND QUALITY – “How detailed is the sound system at low, medium and high volume levels?” (1 to 30 points possible)**

There are 3 scoring areas in this section; Low, Medium and High volume. Each scoring area is worth 10 points.

Judges will evaluate the sound system at low, medium and high volume levels. If the music is clear (vocals can be understood, volume is not overpowering), balanced (Bass does not overpower highs, or vice versa) and sounds pleasing to listen to (music is easy to listen to, not hard on the ears or hard to hear, sound is not distorted) at each volume level, the system will score well.

### **SYSTEM SAFETY– “Is the equipment installed and properly protected?” (1 to 20 points possible)**

There are 4 scoring areas in this section; System Properly Fused, Equipment Secured, Wiring and System Cosmetics. Each scoring area is worth 5 points.

- **System Properly Fused** - Is the sound system properly protected with a main fuse.
- **Equipment Secured** - Is all the sound system equipment properly installed and secured so it does not present a hazard or danger to the rider or passengers
- **Wiring** - Is the wiring properly routed so it does not present a short circuit hazard, or a danger to the rider and passengers
- **System Cosmetics** - Does the system look good in the vehicle. How well does it blend in with the vehicle.

Judges will inspect the sound system for installation quality and integration into the vehicle. Scoring is awarded for properly installed equipment as well as properly protected equipment (e.g. fusing, proper wiring techniques, etc.). Judges will determine this by visual inspection only; however, if the competitor wishes to present installation photos to the judge they may do so; judges may or may not award additional points for photos. Equipment not properly mounted (bolted or screwed down) will score lower than equipment that is properly mounted.

### **SPL – “How loud is the sound system?” (up to 110 points possible)**

SPL scoring is achieved using a portable SPL meter, held approximately 3 feet behind the vehicle in Motosounds and 3 feet in front of the vehicle in Powersounds. Competitors can play any music selection they choose; Judges will hold the meter up at chest height and instruct the competitor to turn the system on for approximately 30 seconds. The meter will record the highest SPL level the system achieved and that level will be the score, up to a maximum of 110 decibels. A maximum of 110 points can be awarded.

## **NOTES SECTION**

Judges will provide notes on each scoring section to offer the competitor ideas and suggestions on how to improve their sound systems.

## **DETERMINING THE WINNERS**

The high score in each class will be the winner, or Champion, for the class. As there are 3 classes in each format, there will be 3 winners if there are vehicles in each class.

Competitors will be given a copy of their score sheet if they wish to have one.