

## MiniZ World Cup 2011 is starting

Contributed by Administrator  
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We are ready to start the new championship, PN Racing one of the main sponsors of this World Competition has send us the general rules.

This year the bog diference in rules is the fact that the regional competitions has 2 diferent layouts to choice depending how big are their facilities.

Race Classes:2WD Stock , Le Mans Pro-Stock, GT Mod, F1 Modified, Pan Car Modified.Race Format:Qualifying:There will be FOUR qualifying runs for each class.Each run will last 5 minutes.For the first run, the starting grid will be staggered in a random order.For the second to fourth run, racers will be re-shuffled each rounds into heats based results.The starting order for each run will be based on the number of laps run in the time allowed.Top Qualifier (TQ) will be awarded to the racer with the highest lap count for a single heat. Mains:Regional Race : All classes Single Main 8 minutes, NO driver bump up.All mains result will be post on pnracing.com to see the world ranking.MOTOR2WD Stock Class drivers will receive a sealed hand-out 80T motor (#112080), Le Mans Pro-Stock Class sealed hand-out 50T motor (#113250) for each class the driver has registered for. Each motor will contain a control number. The control number will be recorded and assigned to the car that the driver has registered to run in the class. Each motor must remain with the car it was assigned to at the time of registration. The motors are to be run as is.Any tampering with the motor will result in disqualification. If any PN Race official suspects motor tampering, the driver will be subject to disqualification. Each class drivers can buy one more extra motor. Modified Class can be use any model of the PN Racing motor, legal modify the brushes, magnet, cut the cam head, but you MUST be use PN Racing motor can, motor cover and armature. If any PN Race official suspects motor illegal tampering, the driver will be subject to disqualification.PCB2WD Stock Class, Le Mans Pro-Stock Class, GT Modified and F1 Modified MUST be use the Kyosho PCB AM, 2.4G and KO AD brand only. Any modification allowed. Gyro NOT allowed.Pan Car Modified ClassAny ESC or PCB may be used. Any modification to the ESC or PCB may be used. Any transmitter and receiver may be used. Examples include AD, AM, FM, Spectrum ,2.4G Gyro NOT allowed.Chassis2WD Stock Class - 90mm to 98mm Wheel BaseKyosho Mini-Z MR01, MR015, MR02 and MR03 only.Kyosho colored chassis may be used.Le mans Pro-Stock Class 102mm Wheel Base only.Kyosho Mini-Z MR01, MR015, MR02 and MR03 only.Kyosho colored chassis may be used.Kyosho Mini-Z F1 Chassis only.GT Modified Class - 90mm to 102mm Wheel BaseKyosho Mini-Z MR-01, MR-015, MR02, MR03 and MA010 only.Kyosho colored chassis may be used. Pan Car Modified Class - 94mm to 102mm Wheel BaseKyosho Mini-Z MR01, MR015, MR02 and MR03. Any after market 2WD chassis allowed.Body2WD Stock Class and GT Modified Classe.Kyosho Mini-Z and TRP Scale body only, Le Mans body NOT allowed, all windshield and window must be installed.Le Mans Pro-Stock Class.Kyosho Mini-Z Le Mans body only, all windshield and window must be installed.F1 Modified Class, Kyosho Mini-Z F1 body. Hand made wings are allowed but must fit inside the below requirements.F1 Front Bumper: 84mm wide max, and cannot be higher then the stock body nose, this includes the small side damsF1 Rear Bumper: 50mm max height from ground, this includes side dams. 84mm wide max.Length: Entire length of vehicle to NOT exceed 200mm.Pan Car Class MUST be use the following bodies list, allow to cut the rear panel.Bodies List: #600600 PN Racing Plastic Pan Car Body #600800 PN Racing Lexan Pan Car Body #ZTC026 Chevron Models Q-08a Lexan BodyWe welcome other Lexan body manufacture submit their body to this rules, all information please contact philip@pnracing.comBody ModificationsAny Kyosho Mini-Z body including LM bodies and TRP Sacle bodies are allowed, but car must conform to wheelbase and width rules.Bodies may be functionally modified with minimal effect external appearance. The following non-comprehensive list of body modifications are allowed:Excessive external cutting of the body is NOT ALLOWED for weight reduction purposes. The rear bumper may be removed up to 20mm from the ground.Wheel wells may be cut forward or backward to accommodate different wheelbase chassis.Wheel wells may be cut or chamfered internally for tire clearance.Lower portions of the body may be cut for ground clearance in front, sides or rear.Body material may be shaved or thinned internally for weight reduction. Technical inspection officials reserve the right to disqualify any modified body deemed to be too fragile due to excessive material removal.Body panels may be reinforced or strengthened internally without affecting external appearance.Original windshield and windows must be installed, but can be modified by cutting unexposed internal areas.Original headlight covers must be installed, but headlight buckets may be removed or omitted. In the event that a headlight cover is lost, the hole may be covered with a decal.Taillights and taillight covers may be removed or omitted.Small body parts such as mirrors, canards, exhausts may be omitted or removed to prevent racing damage and debris on track.All rear wing comes with the body may be installed according to the no height limited. Custom wings allow to use on the body, according to the height limited 45mm from the ground.The above list is non-comprehensive. The purpose and spirit of the rules is to allow functional performance modifications to the body while preserving the scale appearance and realism. The technical inspector has final authority in the judgment of body modification legality.If you have modified your body and have questions regarding the legality of the modifications, please submit the body in question to technical inspection PRIOR to racing qualification or main event round. This is in order to prevent any inadvertent disqualifications. The technical inspector will judge the legality of body modifications and photograph the body in its legal state if necessary.If the body is further modified post-inspection, the modifications may or may not be legal. For the racer's protection, please re-submit the body in question to technical inspection IMMEDIATELY if significant modifications are made.If the body is damaged, the condition of the body may or may not be legal. For the racer's protection, please submit the body in question to technical inspection IMMEDIATELY if significant damage occurs. If the damaged body is judged illegal, it must be repaired or replaced for the next qualification or main event round. Qualification or main event results during which racing damage occurs on track will be allowed, as long as the

body is not judged to be intentionally designed to break away to benefit performance. Bearings All Classes. Any type of bearing by any manufacturer is allowed. For example: Ceramics are allowed. Batteries All Classes. Cars must be powered by four AAA batteries. Alkaline, Ni-MH or Ni-Cd batteries may be used. No other type of battery may be used. For example: Lithium Polymer may not be used. Wheel Rims All brand Plastic and Aluminum rims are allowed. (except Le Mans Pro-Stock Class, F1 Modified Class and Pan Car Mod Class) 2WD Stock Class, and GT Modified Class Maximum front wheel width is 8.5mm. Maximum rear wheel width is 11mm. Maximum wheel diameter is 21mm. LM-size wheels and tires are NOT ALLOWED. Le Mans Pro-Stock Class Maximum front wheel width is 8.5mm. Maximum rear wheel width is 11mm. Maximum wheel diameter is 21mm. LM-size wheels and tires are ALLOWED. F1 Modified Class must be use Kyosho F1 wheel rims, no any modifications Pan Car Class, must be using Kyosho or PN Wheel Rims. All wheel rims must be original, any modification is not allowed. Tires All Classes Any Brand of Rubber / Silicone tire may be used. No foam tires allowed. No tire insert use. No traction compounds allowed on tire or on race surface. Tire warmers are allowed. Tires may be cleaned with a 70% alcohol solution. If a driver uses tire cleaner that has been deemed illegal, the driver will be subject to any penalties that apply. Please address any questions concerning tire cleaners at the drivers meeting. Hop Up Parts All Classes Drivers may use any Kyosho or after market parts available. All upgrades must conform to all other rules posted in this document. All upgrades must be designed for the chase that the upgrade has been installed on. No upgrade will be allowed if the upgrade will interfere with the cars of other drivers. The PN Racing directory, tech inspectors and race officials reserve the right to disqualify any part deemed improper based on fairness and possible interference.

Class	Pan Car Class	Minimum Weight	2WD Class and GT Modified Class	Le Mans Pro-Stock Class
102mm	130mm	94mm to 102mm	175g	175g
Width ( C )	* 80mm	Body Width	85mm	Maximum Car Length ( B )

rules. All Classes Drivers may make minor modifications to the body and or chassis to reduce weight. Total vehicle weight must fall within the guidelines of this document. Please refer to the table above for weight requirements. The PN Racing directory and race officials reserve the right to disqualify a body and or chase for excessive material removal if the body and or chase is deemed to be to fragile. GENERAL RULES SPORTSMANSHIP Proper manners and good sportsmanship are expected from all drivers at all times. It is important to understand that general bad behavior like cursing, intentional bad driving, etc, will not be accepted and can result in a driver being penalized, disqualified or even asked to leave in extreme cases. All participants will be expected to attend the drivers' meeting. All rules are available online at [www.pnracing.com](http://www.pnracing.com) Drivers will be expected to understand and comply with each rule by the time they leave the driver's meeting. Ask any questions at this time. If there is a rules dispute between drivers it must be brought to the attention of the race director or PN Racing personnel. The officials at the track will do their best to resolve any issue to the satisfaction of everyone. If a racer notices an illegal item on another racer's car. Please report to PN Racing official after that racer's race, so the car can be inspected without interference. Substitute drivers are not allowed in any qualification or main event race. An immediate disqualification from the event for both drivers will result. TECHNICAL INSPECTIONS All racers are encouraged to bring their cars to the officials during open practice so that any corrections can be made before the official inspection. Before each race Technical inspections will take place before each race. Inspections will be performed by PN Racing officials. If the PN Racing official determines that the car does not meet the requirements specified in this document the car will be deemed illegal and will not be allowed to race. It will be the responsibility of the driver to ensure that the car meets all requirements and passes inspection before the race begins. In the event that the PN Racing official does not catch a violation, the car will still be considered illegal and the racer will be subject to any consequences of running an illegal car. After each race Cars and radios from each race must be put on the post-race tech table for any post-race inspection that is required. Drivers that did not finish their race are still subject to this rule. Inspection of cars will start only after the start of the preceding race (for example, inspection for race 2 will start after race 1 has started and is underway). Cars on the post-race tech table will not be released until the end of the following race (for example, cars that ran in race 2 will be released when race 3 is completed). Final approval to approve the legality of any car is not valid until after the post-race inspection.