

# **USER GUIDE**

87270

87400

Order No.: 87750



FM receiver 75 MHz

FM receiver 27 MHz

FM receiver 40 MHz

LRP electronic

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#### Dear customer.

You have just purchased one of the best receivers in the world, the LRP Phaser Competition. We use cuttingedge development and production technologies to achieve maximum reliability and shielding. Your receiver has inbuilt benefits through the following highlights:

- Special interference suppression circuit.
- · Works with super-high-response and normal
- Super-shielded case for maximum interference rejection.
- · Works with your standard pair of crystals.
- · Extremely small, extremely lightweight
- · Top-mounted antenna for simple deployment and interference rejection.
- · Vibration-proof crystal socket system.
- · Low-voltage guarantee down to 3.0 volts.

# TECHNICAL DATA

Super-high response FM PPM
3
Any frequency by replacing the crystals within the bandwidth
455 kHz
3 to 6.5 volts
36 x 25.5 x 15 mm (L / W / H)
13.5 grams (excluding crystal)

# **WARNING NOTES**

- Important: Never leave your RC model unattended as long as the battery is plugged in the device. In case of a defect, this could cause the model to catch fire and the flames may flash over to its surroundings
- · Never allow the receiver or any of the other electronic components to come into contact with water, oil or fuel. If this should happen, stop your model immediately, switch the device off and let components dry carefully.
- Always wire up all the parts of the equipment carefully. If any of the connections come loose as a result of vibration, you could lose control over your model.



- · Never use the Phaser receiver when the case is open or when it is wrapped in a shrink-fit tube. This will reduce shielding since the metal case is removed and may also cause short-circuits.
- Do not reverse the polarity of the receiver. Incorrect polarity may damage the receiver.
- · Always switch on your transmitter first before you switch on the receiver or the controller. The receiver could receive interference signals, start full acceleration and you could damage your model. When you switch off, make sure you do so in the reverse sequence, i.e. first the receiver and controller, then the



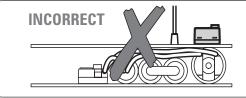
# **ASSEMBLY TIPS**

- Mount the antenna holder as close to the receiver as possible. A long wire may cause interference.
- · Do not attach the antenna directly on metal or carbon chassis; only use antenna holders made of plastic and not made of metal or aluminum.
- Do not use any antenna tubes made of metal or carbon fiber.
- · You can assume that any current-conveying device will cause interference! Mount the antenna as far away from the motor, controller, batteries and wires as possible. Interference is a type of radio wave and radiates in a similar way. This is why the effect of interference is magnified when the antenna is mounted close to a source of interference.

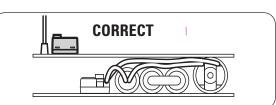
### **ELECTRIC MODELS**

Pay particular attention to the installation position of the components. Place the controller, motor, battery and power wire as far away from the receiver as possible.

Do not mount the antenna or receiver on top of the motor or hatteries



If you mount the receiver or antenna on the upper platform, place it as far away from the motor and batteries as possible.



#### **Installing the receiver (electric car)**

If you attach the receiver to the chassis or the RC board, use two layers of double-sided adhesive tape as damper for the receiver. Make sure the crystal is located on the upper side of the receiver.

#### Do not mount the receiver directly on the chassis or the RC board.





Use two layers of double-sided adhesive



Do not mount the crystals on the upper side. underside.



**CORRECT** 

- · Do not bundle the antenna wire together with other wires. This may reduce reception power and you may lose control over your model. Never shorten the antenna wire (it must be a minimum of 30 cm/about 12 inches long).
- Max. length unravelled -> max. range.

Wound up  $\ \ -> \$ always bad as this causes problems within the range.

Cutting wire shorter -> reduces the range but otherwise creates no other problems within the

#### **GAS POWERED MODELS**

Do not mount the receiver on the chassis or the RC board without using a damper base. Vibrations may cause faulty operation and could even damage the receiver.

Use either the holder supplied with the kit or use damping material such as sponge rubber as the receiver base.

