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- › [Diono](#) /
- › [Diono Radian 3RXT SafePlus Convertible Car Seat Instruction Manual](#)

Diono 50107

Diono Radian 3RXT SafePlus Convertible Car Seat

INSTRUCTION MANUAL

Model: 50107 | Brand: Diono

Introduction

The Diono Radian 3RXT SafePlus is a versatile 4-in-1 convertible car seat designed to provide safety and comfort for your child from birth through booster stages. This manual provides essential information for proper installation, usage, and maintenance to ensure the optimal safety and longevity of your car seat.



Image: The Diono Radian 3RXT SafePlus car seat in Pink Cotton Candy, showcasing its full form.

Safety Information

Your Diono Radian 3RXT SafePlus car seat incorporates advanced safety features to protect your child:

- **SafePlus Engineering:** Designed with a steel anti-rebound bar that reduces rebound rotation by up to 50% in rear-facing mode.
- **3 Stage Infant Protection:** Includes a newborn travel high wedge, a 2-in-1 infant positioning liner, and the steel anti-rebound bar for comprehensive newborn safety.
- **6-Layer Side Impact Protection:** Provides enhanced protection against side impacts.
- **Automotive Grade High-Strength Steel Core:** A mechanically engineered steel frame shields and protects your child.

WARNING: DEATH or SERIOUS INJURY can occur. Always follow all instructions in this manual and on the car seat labels. Register your car seat with the manufacturer to receive important safety updates.

safe+[®]
steel anti-rebound bar



Image: The car seat showing the steel anti-rebound bar, which helps reduce rebound rotation by 50% in rear-facing installations.

safe+[®] **side impact protection**



6x



**Side Impact
Tested**

Image: An illustration highlighting the 6 layers of side impact protection integrated into the car seat's design.

safe+[®]

automotive grade steel core



**Rollover
Tested**



Image: The internal automotive grade steel core of the car seat, emphasizing its robust construction for rollover testing.

Setup and Installation

Proper installation is crucial for your child's safety. Always refer to the detailed instructions provided in the physical manual that came with your car seat for specific vehicle compatibility and installation steps. The Diono Radian 3RXT SafePlus can be installed using either the vehicle's LATCH system or the vehicle's seat belt.

Installation Modes:

- **Rear-Facing:** For infants from 4 lbs up to 50 lbs. This mode utilizes the steel anti-rebound bar for added stability.
- **Forward-Facing with 5-Point Harness:** For children from 22 lbs up to 65 lbs.
- **High-Back Booster:** For children from 40 lbs up to 120 lbs.



newborn rear-facing
from 4 lb



rear-facing longer
up to 50 lb

10^{years one car seat}



forward-facing with harness
22-65 lb



high-back booster
40-120 lb

Image: A visual representation of the four usage modes: newborn rear-facing, rear-facing longer, forward-facing with harness, and high-back booster.



Image: A baby properly secured in the Diono Radian 3RXT SafePlus car seat in the rear-facing position within a vehicle. For detailed installation instructions, including how to adjust the harness and headrest, please consult the comprehensive user manual provided with your product. You may also find instructional videos on the manufacturer's official website.

Operating the Car Seat

The Diono Radian 3RXT SafePlus is designed for ease of use and adaptability as your child grows.

- **12-Position Headrest:** The headrest can be easily adjusted with one hand to accommodate your child's height, ensuring proper head and neck support.
- **Slim-Fit Design:** Our unique design allows for a 3-across fit in most mid-size vehicles, maximizing passenger space without compromising safety.
- **Detachable Cup Holder:** The car seat includes a detachable cup holder for convenience. It can be placed in designated slots on either side of the seat.
- **FAA Approved:** The car seat features a folding design and is FAA approved, making it suitable for air travel.

safe+® easy adjust headrest



Image: The 12-position easy-adjust headrest, demonstrating its range of height settings for growing children.



Image: A collage illustrating the car seat's compact folding for storage, its fit in a car trunk, and its FAA approval for use on aircraft.

Maintenance

Regular cleaning and maintenance will help keep your car seat in optimal condition.

- **Covers:** The fabric covers are machine washable. Use cold water and line dry.
- **Shell and Components:** Spot clean the car seat shell and other components as needed.
- Always ensure all parts are completely dry before reassembling or using the car seat.

Refer to the care instructions label on the car seat for specific details.

Troubleshooting

If you encounter any issues with your Diono Radian 3RXT SafePlus car seat, consider the following general advice:

- **Installation Difficulty:** Ensure the car seat is installed at the correct recline angle for your child's age and weight. Check that the LATCH connectors or seat belt are routed correctly and tightened securely. Refer to the installation section of your manual.

- **Harness Adjustment:** If the harness is difficult to tighten or loosen, ensure no straps are twisted or caught in the car seat mechanism. The harness should be snug against your child's body, with the chest clip at armpit level.
- **Parts Missing or Damaged:** If any parts are missing or damaged upon arrival, or during use, contact Diono customer support immediately. Do not use the car seat if any critical safety components are compromised.

For persistent issues or specific technical support, please contact Diono customer service directly.

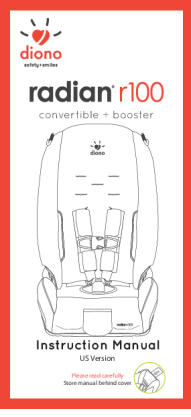



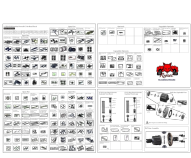
Specifications

Feature	Detail
Product Dimensions	16"D x 17"W x 28.5"H
Item Model Number	50107
Minimum Weight Recommendation	4 Pounds
Maximum Weight Recommendation	120 Pounds
Minimum Height Recommendation	18.1 Inches
Maximum Height Recommendation	57.1 Inches
Material Composition	100% Polyester
Care Instructions	Covers: Machine wash cold and line dry. Shell and Components: Spot clean.
Style	Radian 3RXT SafePlus
Number of Reclining Positions	12
Harness Type	5-Point
Item Weight	30.6 pounds
Installation Type	Latch
Color	Pink Cotton Candy

Warranty and Support

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Diono website. For any support inquiries, including technical assistance or replacement parts, please contact Diono customer service through their website or the contact information provided in your product packaging. You can also visit the [Diono Store on Amazon](#) for more product information and resources.

Related Documents - 50107

	<p>Diono Radian r100 Convertible + Booster Car Seat Instruction Manual</p> <p>Comprehensive instruction manual for the Diono Radian r100 convertible and booster car seat, covering installation, safety features, and maintenance.</p>
	<p>Diono See Me Too Baby Mirror Instructions</p> <p>Instructions for the Diono See Me Too baby mirror, a fully adjustable and shatter-resistant mirror for car seats.</p>
	<p>Diono Easy View XXL Baby Mirror User Manual</p> <p>Instructions and safety information for the Diono Easy View XXL Baby Mirror, including installation, usage, and warnings. Features multilingual support.</p>
	<p>IRCAM Verb Session User Manual FLUX:: Immersive</p> <p>Comprehensive user manual for the FLUX:: IRCAM Verb Session algorithmic reverberation processor. Learn about its features, settings, presets, and specifications for creating immersive audio.</p>
	<p>Sunsun Bio Pond Filter CBF-350 Series Operation Manual</p> <p>Comprehensive operation manual for Sunsun Bio Pond Filters CBF-350, CBF-350B, and CBF-350C (models 50107, 50108, 50114). Includes detailed technical specifications, safety guidelines, installation instructions, and maintenance procedures for optimal pond water quality.</p>
	<p>Redcat 1/5th 4WD Gasoline RC Truck Parts and Specifications</p> <p>Comprehensive parts list, specifications, and detailed textual descriptions of exploded view diagrams for the Redcat 1/5th 4WD Gasoline Power R/C On-Road Truck, including part numbers and assembly information.</p>