

Diono 3RXT

Diono Radian 3RXT Convertible Car Seat User Manual

Model: 3RXT (50020) | Brand: Diono

INTRODUCTION

The Diono Radian 3RXT is an all-in-one convertible car seat designed to provide safety and comfort for children from infancy through booster seat age, supporting weights from 5 to 120 lbs (2.2 kg to 54 kg). Engineered with a steel-reinforced frame, it offers extended rear-facing capabilities up to 50 lbs. This car seat features a 2-in-1 infant positioning liner for newborns, a 12-position adjustable aluminum reinforced headrest, and a slim-fit design allowing for three-across installation in most vehicles. It includes a SuperLATCH system for secure installation, a foldable design for portability, and is FAA approved for air travel.

WHAT'S IN THE BOX

- Radian 3RXT car seat
- Detachable rear-facing base
- Foam harness pads
- 2-in-1 head and body support infant insert
- Lap belt cushion
- Cup holder
- Safe Stop energy absorbing harness
- Rear-facing top tether
- Instruction manual

SETUP AND INSTALLATION

Proper installation is crucial for your child's safety. Always refer to the full instruction manual for detailed steps and vehicle-specific requirements. The Diono Radian 3RXT supports rear-facing, forward-facing, and booster modes.



The Diono Radian 3RXT car seat in Black Jet, ready for installation.

An introductory video showcasing the features of the 2020 Diono Radian 3RXT car seat.

Rear-Facing Installation

The Radian 3RXT is designed for extended rear-facing use up to 50 lbs (22.7 kg). Ensure the infant positioning liner and high wedge are used for newborns to provide proper support and maintain an open airway.

newborn travel high wedge



Illustration of the newborn travel high wedge for proper infant positioning.

rear-facing for longer
up to 50 lb | 22.7 kg



The car seat configured for rear-facing installation, supporting extended use.



A baby seated comfortably in the rear-facing configuration of the Diono Radian 3RXT.

Detailed video guide for installing the Diono Radian 3RXT in a rear-facing position.

Forward-Facing Installation

Once your child outgrows the rear-facing limits, the Radian 3RXT can be converted to a forward-facing car seat with a 5-point harness.



A toddler seated in the forward-facing configuration of the Diono Radian 3RXT.

Comprehensive video instructions for installing the Diono Radian 3RXT in a forward-facing position.

Booster Mode Installation

For older children, the Radian 3RXT transitions into a high-back booster seat, utilizing the vehicle's seat belt.

Video demonstration of installing the Diono Radian 3RXT in booster mode.

Slim-Fit 3 Across Feature

The unique slim-fit design of the Radian 3RXT allows for three car seats to fit across the back seat in most vehicles, providing flexibility for growing families.

Slim-fit 3 across with any **Diono Radian® combination**



Three Diono Radian car seats demonstrating the slim-fit 3-across capability.



Children comfortably seated in three Diono Radian car seats, showcasing the space-saving design.



A rear view of three Diono Radian car seats installed, highlighting their compact fit.

Video illustrating how the Radian 3RX and 3RXT models fit three across in a vehicle.

OPERATING MODES AND WEIGHT/HEIGHT LIMITS

The Diono Radian 3RXT is designed to adapt to your child's growth, offering three distinct modes of use:

- **Rear-Facing:** From 5 lbs (2.2 kg) up to 50 lbs (22.7 kg).
- **Forward-Facing with 5-Point Harness:** From 22 lbs (10 kg) up to 65 lbs (29.5 kg).
- **High-Back Booster Mode:** From 40 lbs (18 kg) up to 120 lbs (54 kg) and up to 57 inches (145 cm) tall.

10.....TM years one car seat



newborn rear-facing
from 5 lb | 2.2 kg



rear-facing for longer
up to 50 lb | 22.7 kg



forward-facing with harness
22 – 65 lb | 10 – 29.5 kg



high-back booster
40 – 120 lb | 18 – 54 kg

Visual representation of the 10-year lifespan and various modes of the Diono Radian 3RXT car seat.

The car seat features a 12-position easy-adjust headrest to ensure a safe and comfortable fit as your child grows.

MAINTENANCE

Regular cleaning and maintenance will help prolong the life of your car seat and ensure continued safety.

- **Covers:** Machine wash cold, line dry.
- **Shell and Components:** Spot clean with mild soap and water.

Always refer to the full instruction manual for detailed cleaning instructions and material care.

TROUBLESHOOTING

If you encounter any issues with your Diono Radian 3RXT car seat, please consult the comprehensive user manual provided with your product. Common issues such as installation difficulties or harness adjustments are typically covered in detail within the manual. For further assistance, please contact Diono customer support.

SPECIFICATIONS

Feature	Detail
Product Dimensions	16 x 17 x 28.5 inches
Item Model Number	50020
Minimum Weight Recommendation	5 Pounds (2.2 kg)
Maximum Weight Recommendation	120 Pounds (54 kg)
Minimum Height Recommendation	18.1 Inches (46 cm)
Maximum Height Recommendation	57 Inches (145 cm)
Material Type	Polypropylene, Alloy Steel, Plastic, Polystyrene
Material Composition	92% Polyester 8% Spandex
Additional Product Features	Fits 3 Across
Number of Reclining Positions	12
Orientation	Convertible Seat (Rear-facing, Forward-facing, Booster)
Rear-facing Minimum Child Weight	5 Pounds (2.2 kg)
Rear-facing Maximum Child Weight	50 Pounds (22.7 kg)
Forward-facing Minimum Child Weight	22 Pounds (10 kg)
Forward-facing Maximum Child Weight	120 Pounds (54 kg)
Harness Type	5-Point
Item Weight	28.1 pounds (12.7 kg)
Color	Black Jet
Installation Type	Latch

WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Diono website or the full user manual included with your product. The user manual can also be accessed online:

[Download User Manual \(PDF\)](#)

For any product-related inquiries or technical assistance, please contact Diono customer service directly.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question