NORDIC SEMICONDUCTOR

ULTRA LOW POWER WIRELESS SOLUTIONS

nRFready R/C Racing

Remote controlled toy reference design
Active

Replacement products

- Overview
- Downloads

Description

The nRFready R/C racing is a complete reference design that enables innovative toy manufactures to take mass-market remote controlled toys to the next level with advanced game-play features that leverage Nordic's low cost 2.4GHz RF solutions. The reference design kit includes 2 cars, 2 controllers, 4 waypoints (that allow end users to set up free-form racing tracks), a USB dongle, and the R/C Racing Studio PC software.

The cars are based on the Nordic nRF24LE1 System-on-Chip and feature built-in crash sensors, continuous steering/throttle, and headlights. The controllers are also based on the nRF24LE1 and feature rumblers to indicate car crashes, battery level indicators, and headlight controls.

Features

- Complete reference design for 2.4GHz RF remote controlled toys
- Set-up a free-form racing track using the waypoints
- Race against more than one friend without the hassle of changing physical crystals in cars and controllers
- Based on the Nordic Gazell protocol enabling excellent co-existence performance, low latency, best-in-class battery lifetime, and long range
- Includes full source code and hardware design files

Content

- 2x cars
- 2x controllers
- 4x waypoints
- USB dongle
- CD with software and documentation

Supported products/complementary

Product	Brief description
nRF24LE1	2.4GHz RF System-on-Chip with Flash
nRF24LE1 OTP	2.4GHz RF System-on-Chip with OTP
nRF24LU1+	2.4GHz RF System-on-Chip with Flash and USB
nRF24LU1+ OTP	2.4GHz RF System-on-Chip with OTP and USB

Ordering codes

Code	Description
nRF6909	nRFready R/C Racing

Tags

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