ULTRA LOW POWER WIRELESS SOLUTIONS

nRFready Basic Remote

RF remote control reference design
Active

Replacement products

- Overview
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Description

The nRFready Basic Remote is a complete hardware and software reference design for basic 2.4GHz RF remote controls. It is also an ideal starting point in the development of advanced 2.4GHz RF remote controls for both PC-based and consumer electronics applications such as media centers, set-top boxes, and TVs.

The RFready Basic Remote is based on a single-chip implementation using the Nordic nRF24LE1 System-on-Chip. The kit includes two options for the host (receiver) side – either a USB dongle based on the nRF24LU1+, or an nRF24LE1-based general-purpose connectivity module supporting UART, SPI, and 2-wire interfaces.

The reference design also uses the Nordic Gazell™ 2.4GHz RF protocol stack to enable excellent co-existence performance, low latency, and a best-in-class battery lifetime.

Features

- Complete reference design for a 2.4GHz RF remote control
- Includes remote control, general purpose connectivity module, and USB dongle
- USB and UART/SPI/2-wire interface options for host (receiver) side
- Based on Nordic Gazell protocol enabling excellent co-existence performance, low latency, and a best-in-class battery lifetime
- Includes full source code and hardware design files

Content

- Remote control
- General purpose connectivity module
- USB dongle
- Batteries
- 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
nRF6905	nRFready Basic Remote

Tags

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