

# Turning Technologies



## RCRF-03 ResponseCard RF LCD and RRRF-03 USB HID RF Receiver

### User's Manual

RCRF-03 & RRRF-03 User's Manual Ver. Preliminary

## Overview:

The RCRF-03 Keypad is designed to be used with the RRRF-03 Receiver connected to a PC. The keypad transmits key presses via radio frequency to the RF receiver for accumulation by the PC. The keypad consists of 12 data keys (0-9, Channel, ?), a single status LED, and a small LCD.

## ResponseCard RF LCD (RCRF-03)



The ResponseCard RF LCD keypad is handheld designed to send responses over RF to a receiver.

In Idle state, the LED and LCD are OFF. The keypad returns to idle state after completion of a key press.

### Standard Operation Mode:

Initially the status LED and LCD are OFF.

Pressing a single key will cause the key to be transmitted to the receiver. After pressing a key the status LED and LCD will display the status as follows:

### **Quick Yellow Blink then OFF/LCD with Circle with Slash-**

Receiver is not accepting data at this time

**Blinking Yellow** - key is being transmitted (up to 8 seconds)

**Solid Green/LCD with Response pressed** - key transmit successful - ready for input

**Solid Red/LCD with Ch and Slash-** key transmit failed – ready for input

**Blinking Green/LCD with Response pressed** - Receiver indicated correct answer

**Blinking Red** - Receiver indicated incorrect answer

Blinking Green and Blinking Red will only occur if the Receiver is configured to indicate a correct or incorrect answer (CORRECT POLLING mode).

### **Set RF Channel**

Press Channel Button

Set RF Channel mode is indicated by the status LED flashing a RED then GREEN pattern. Set RF Channel mode exits automatically after three valid keys are pressed, if no valid key is pressed for 8 seconds, or at any time an invalid key is pressed. Valid keys are '0' through '9'. Valid RF Channels are '01' through '82'.

While in Set RF Channel mode pressing a valid key will cause the status LED to briefly flash **YELLOW**. When Set RF Channel Mode exits, the status LED indicates the result as follows:

**Solid Green** - Set RF Channel successful

**Solid Red** - Set RF Channel failed

## **HID RF Receiver (RRRF-03)**



The RRRF-03 needs to be plugged into a USB port on a computer to ensure proper operation. Once the RRRF-03 is plugged in and recognized by the operating system, the appropriate software from Turning Technologies must be launched to enable the polling solution. Additionally, the RRRF-03 has the ability of a mass storage device once recognized by the operating system.

## REGULATORY INFORMATION

### FCC Statement

This product has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following conditions: it may not cause harmful interference and must accept interference received, including interference that may cause undesired operations.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This digital apparatus should not be connected to a PC with a USB cable exceeding 3 meters in length.