

RadEyeSPRD™ Quick Start Guide

Starting Up / Shutting Down

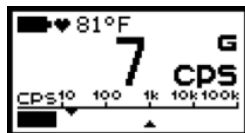
Note After 10 seconds of inactivity, the SPRD switches off its backlight to conserve power. Press any button to awaken the SPRD before following the key press sequences detailed below.

Action	To Perform:	Remarks
Power On	Press and hold ▼ button labeled “On” for longer than 2 seconds.	Keep the button pressed to freeze the “Start Up” screen.
Power Off	Press ◀ button labeled “Menu” 3 times.	1 st press displays menu item “Switch off”; 2 nd , “Are you sure?”; 3 rd , confirms.

Operating the Device

Search and Locate Mode

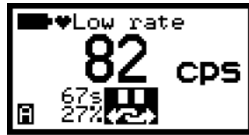
Figure 1. Display showing live cps



Action	To Perform:	Remarks
Show dose rate	Your display shows the cps count rate: Tap ▲ button labeled “Info” one time.	
Show dose	Your display shows the cps count rate: Tap ▲ button labeled “Info” two times.	
See min/max statistic for normal operation mode	Your display shows the cps count rate: Tap ▲ button labeled “Info” three times.	
Acknowledge radiation alarm	Press ► button labeled with a loud speaker symbol. The top button performs the same action.	
Activate Finder sound	Press ► button labeled with a loud speaker symbol twice. The top button performs the same action.	A loud speaker symbol is shown in the top right corner of the display.
Stop Finder sound	Press ► button labeled with a loud speaker symbol twice. The top button performs the same action.	The loud speaker symbol shown in the top right corner of the display disappears.
Dynamic diagram display	Your display shows the cps count rate: Tap ▼ button labeled “On” one time.	
Navigate through menu	Press ◀ button labeled “Menu” one time to enter the menu from live cps, live dose rate main display, or main Nuc ID display.	See bottom section of the display for more navigation options. Options on the left are set by the ◀ button; options on the right, by the ► button. The nuclide ID display also offers options displayed in the middle top or middle bottom that can be set by the ▲/▼ buttons.

Nuclide ID Mode

Figure 2. Display showing cps count rate and measurement time data



Action	To Perform:	Remarks
Switch to Nuclide ID menu and back	Press and hold ▲ button labeled “Info” for longer than 2 seconds.	
Start Nuclide ID	From Nuclide menu main screen, tap ▲ button labeled “Info” one time.	
Pause Nuclide ID	From Nuclide menu main screen, tap ▲ button labeled “Info” one time.	This lets you review the current analysis. The ▼ button toggles the display through different result screens. The ◀ button returns to the main nuclide ID screen with the option to STOP the ID process with the ▶ button.
Review Nuclide ID	From Nuclide menu main screen, tap ▶ button one time to activate the “LOAD” function.	Use the ◀/▶ arrows to selected the Nuclide record number to be edited. Use the ▲/▼ arrows to edit highlighted numbers.

Q&A

Question	Answer	Remarks
What does the letter ‘G’ represent in the screen?	The letter ‘G’ stands for Gamma radiation.	In that context, ‘N’ stands for Neutrons.
What is the meaning of cps?	‘cps’ stands for ‘counts per second’.	Each count is a recognized radiation event.
What is the meaning of top triangle (▼) at the bottom dynamic bar graph?	The symbol stands for the gamma alarm threshold 1.	
What is the meaning of bottom triangle (▲) at the bottom dynamic bar graph?	The symbol stands for the gamma alarm threshold 2.	