# Personal Radiation Dose Management System

# User Manual

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# **1.**Automatic device identification

First select the device model FS-1000



Click the Update button to read the number of COM; Click the Auto-Connect button to connect the device automatically.

## 1.1Update Connection

Click the "Auto-Connect" button, then the COM number will appear in the device connection.
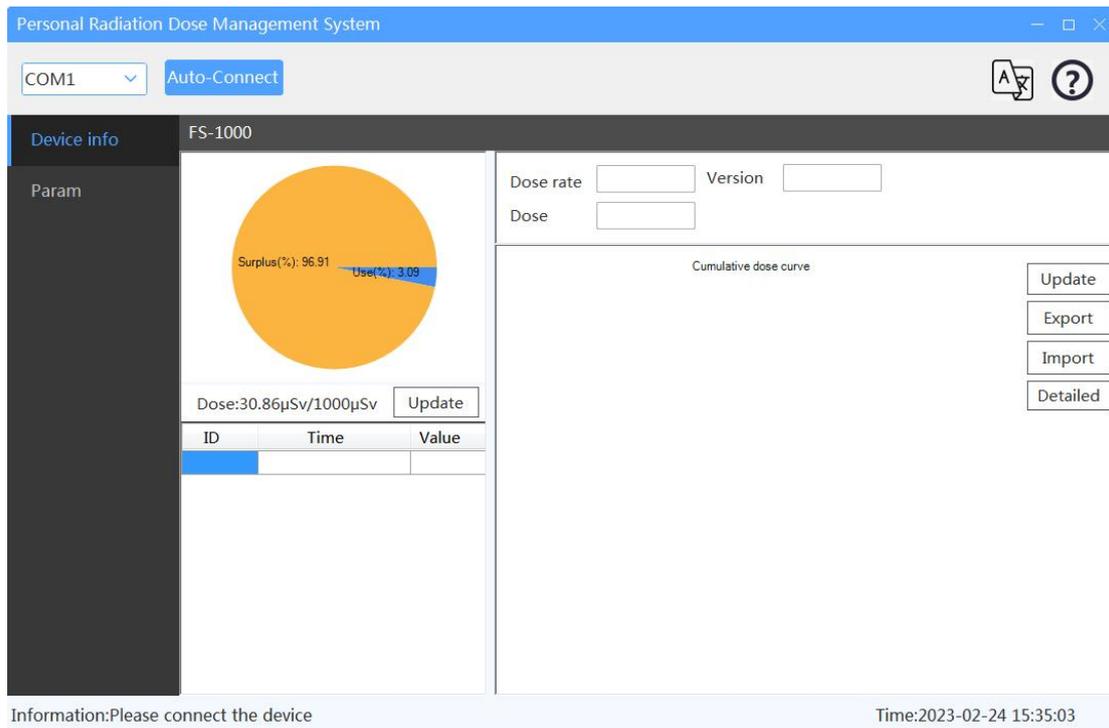
## 1.2Automatic Identification

Click the "Auto-Connect" button, the device will be connected automatically and show the corresponding prompt.
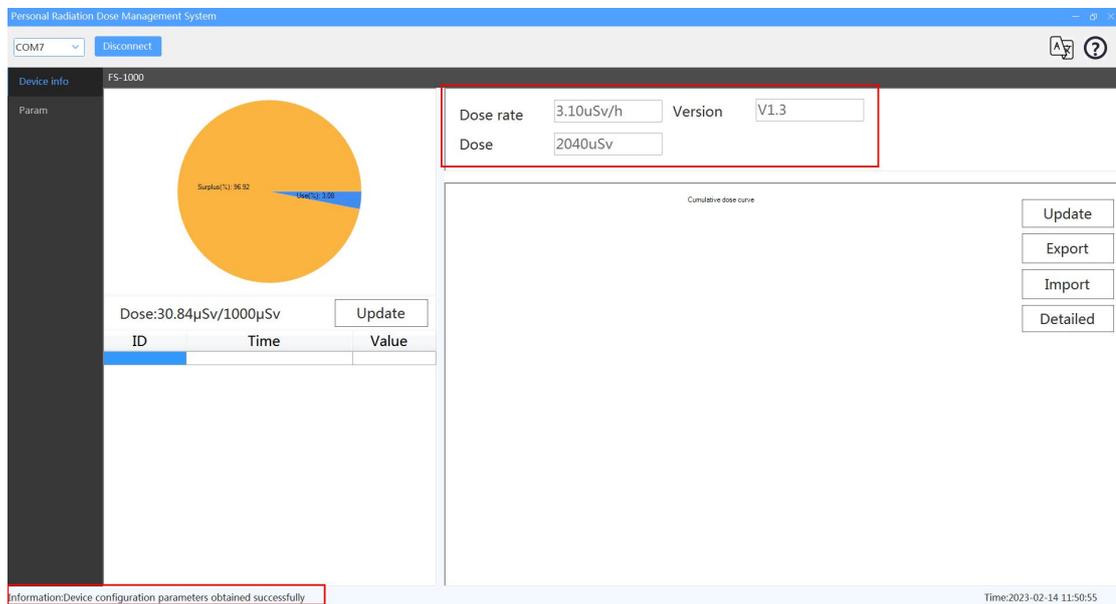


# 2. Parameter setting

This function is mainly to set equipment parameters, including equipment time calibration, setting calibration coefficients, setting dose rate thresholds, setting dose

thresholds, obtaining equipment configuration parameters, switching between Chinese and English, etc.

Click the "Param" menu, parameter configuration option, open the configuration interface.
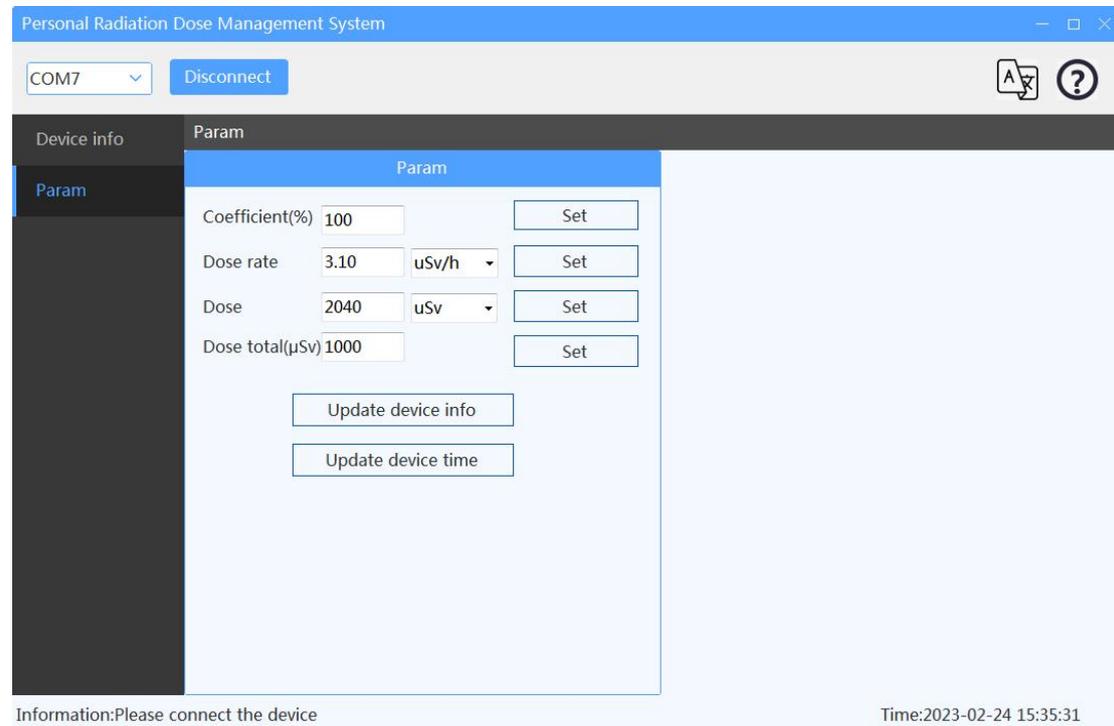


## 2.1Time Calibration

Click the "Update device time" button to set the system time of the device and update the time to the computer system time.
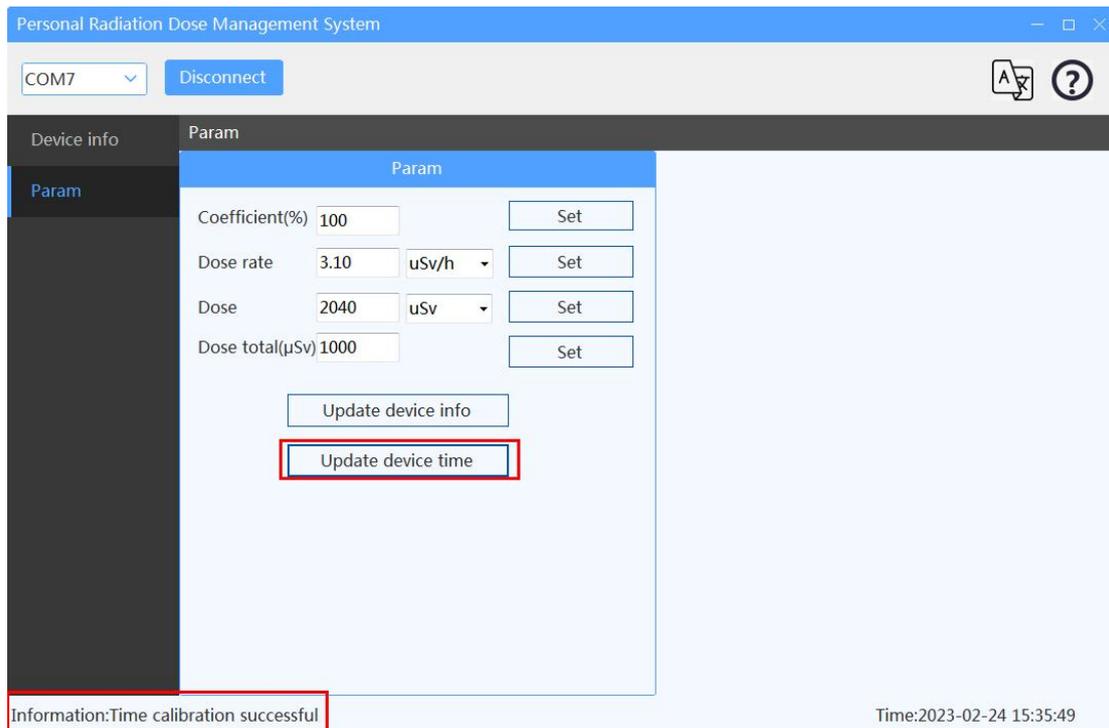
## 2.2 Set the calibration factor

The coefficient setting needs to contact the after-sales personnel,Set after confirmation.
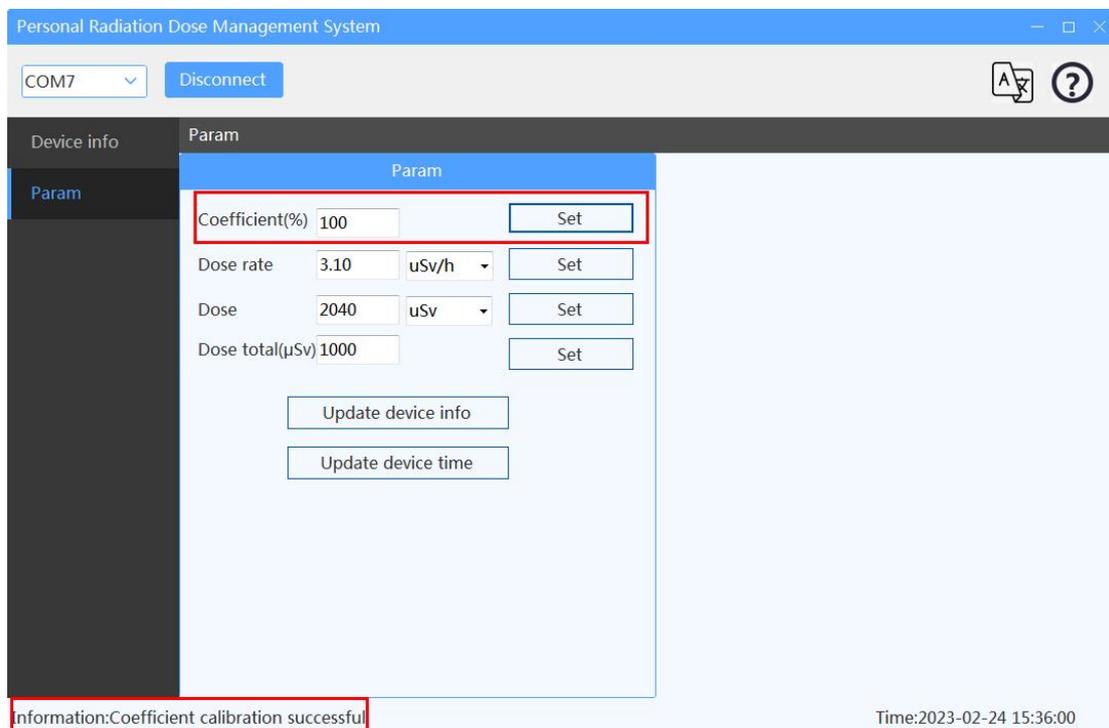
## 2.3Set dose rate threshold

Fill in the dose rate threshold, which must be 4 digits, including the decimal point, and select the unit, then click the "Set dose rate threshold" button



## 2.4Set the Threshold Dose(TD)

Fill in the dose threshold, which must be 4 digits, including the decimal point, and select the unit, then click the "Set dose threshold" button
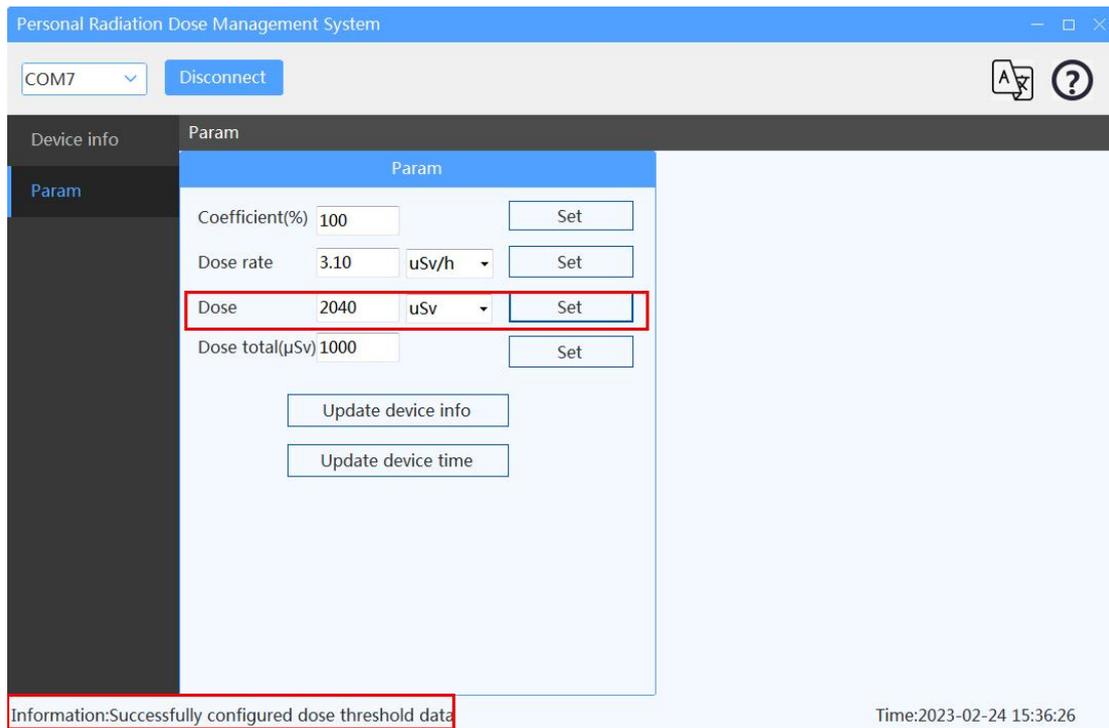
## 2.5 Get Configuration Parameters

Click the "Update Device Info" button to obtain device parameter information
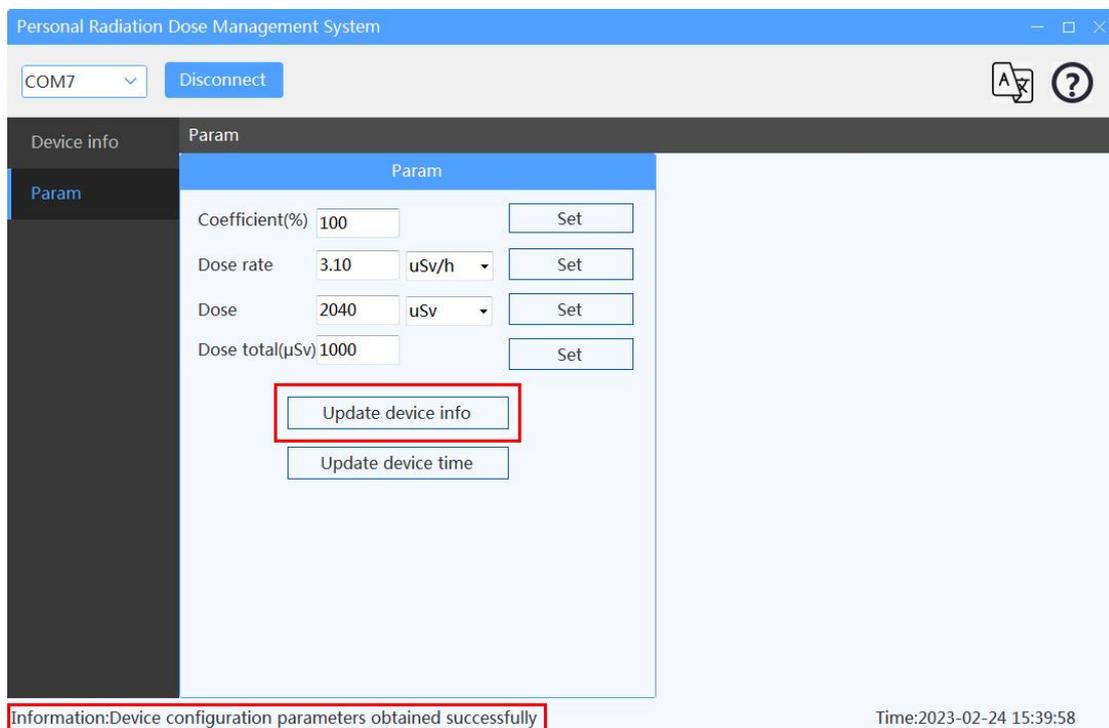


## 2.6 Set Doses

Set the total dose value, which is used to count the cumulative dose percentage.

## 2.7 Switch between Chinese and English

Click "Language" button and select language to switch. Currently, only Chinese and English is supported.

# **3.**historical data reorganization

This module mainly deals with historical data processing, including historical data query, historical data curve display, cumulative dose rate data display, data import and export, etc.

## 3.1  Historical data query

Click the "Update" button to read the historical data of the device. Due to the large amount of data, it will take a while to read.
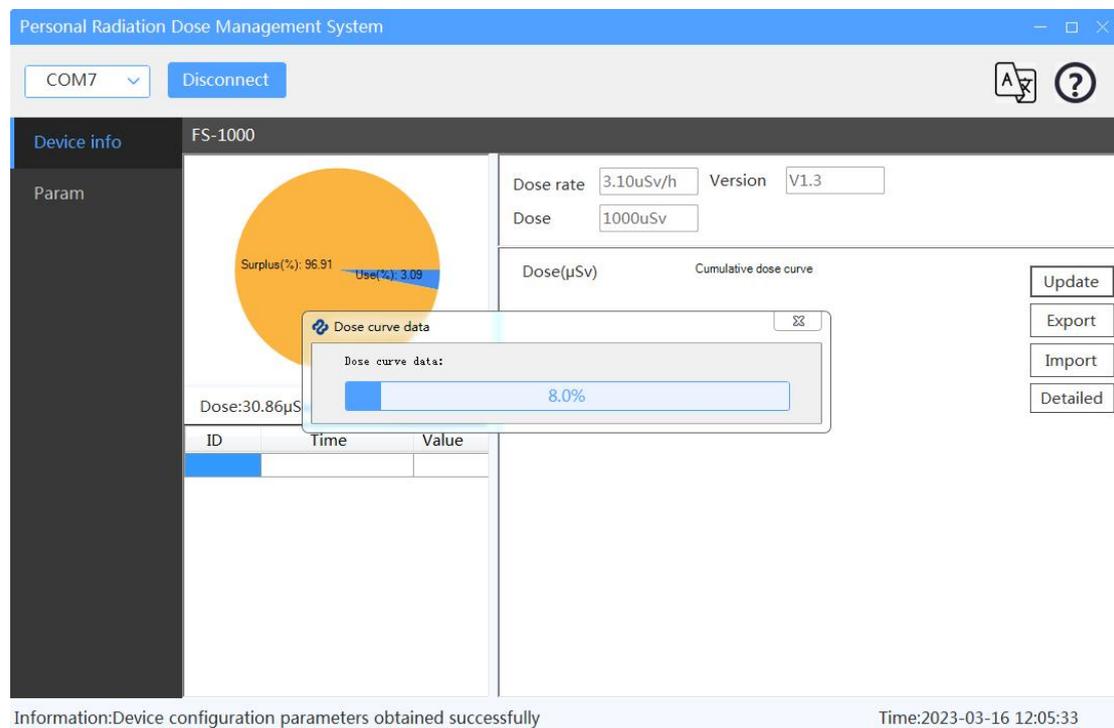


After the data reading is completed, the following form data will be displayed.
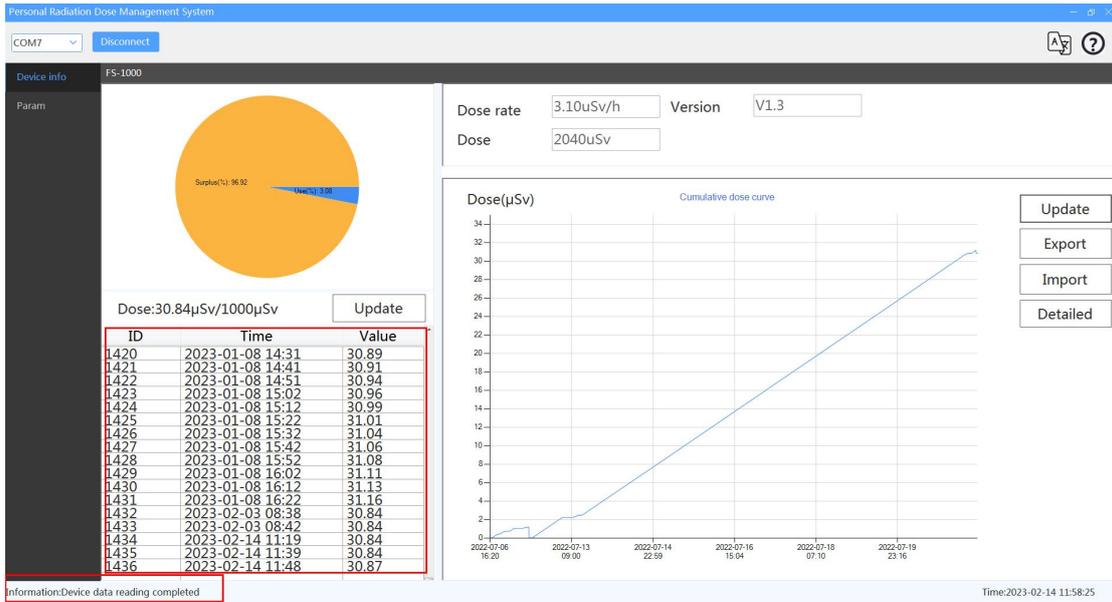
## 3.2  Historical data curve display

After reading the data,it will be shown as below.
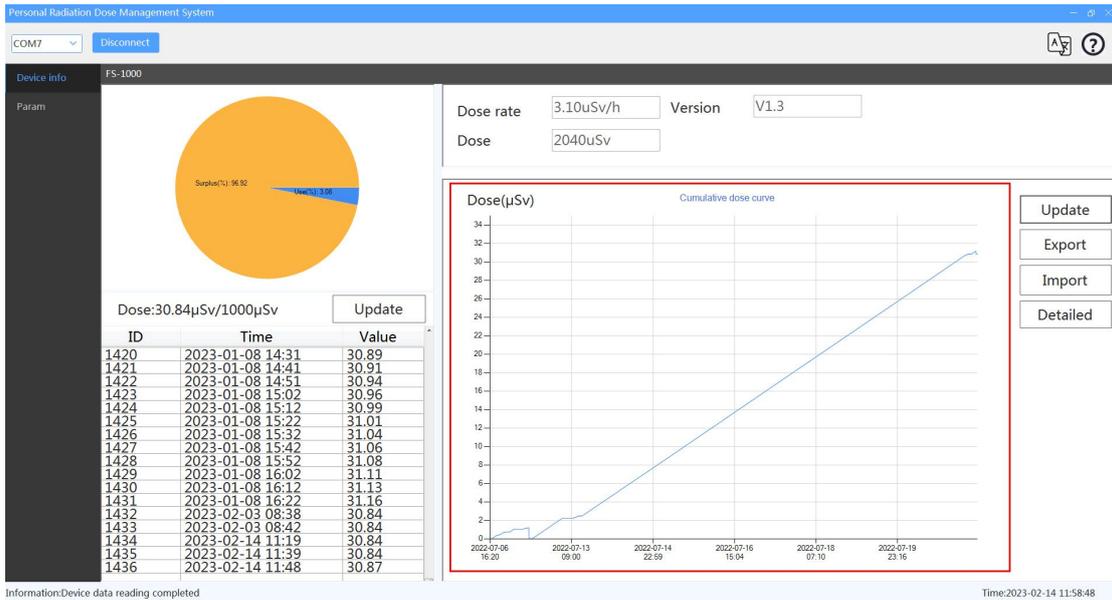


Click detailed or panoramic switch curve display.
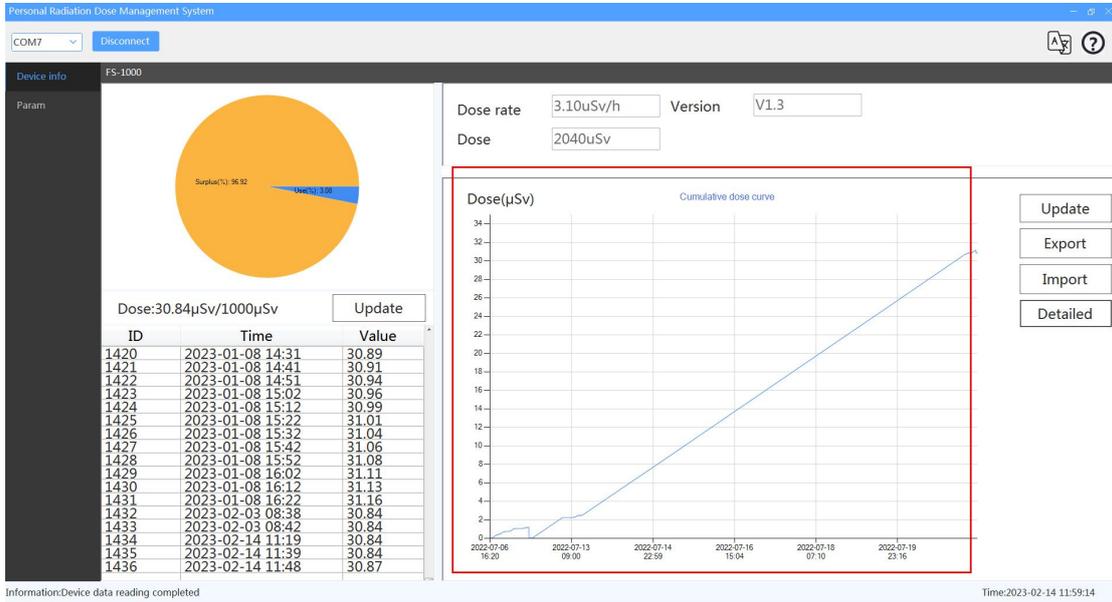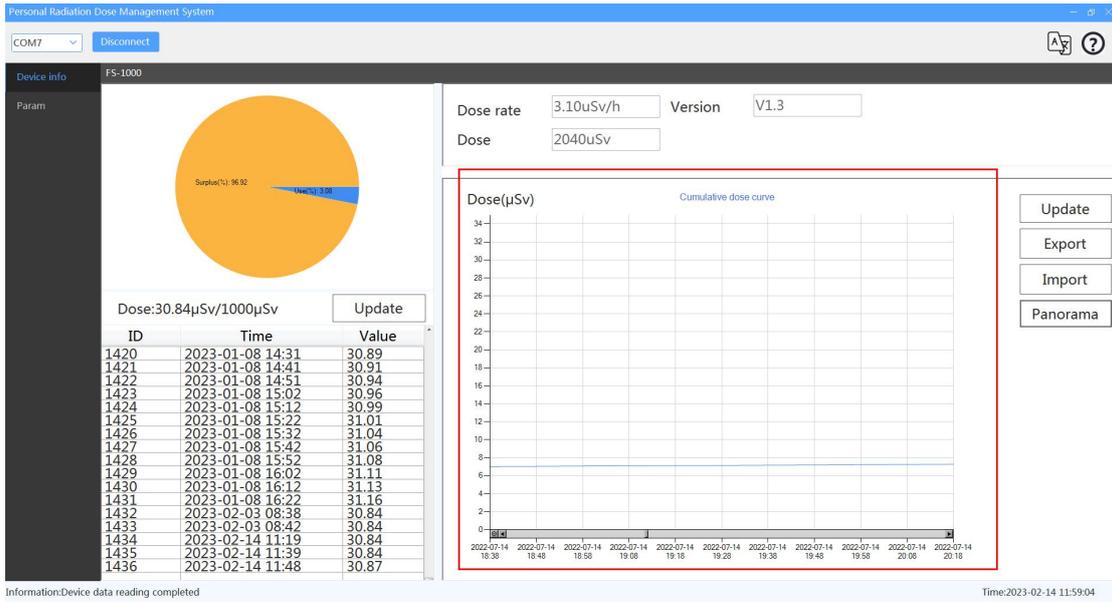
## 3.3 Cumulative dose rate data display

Click the "Update" button to update the cumulative dose rate data and display it in a pie chart.
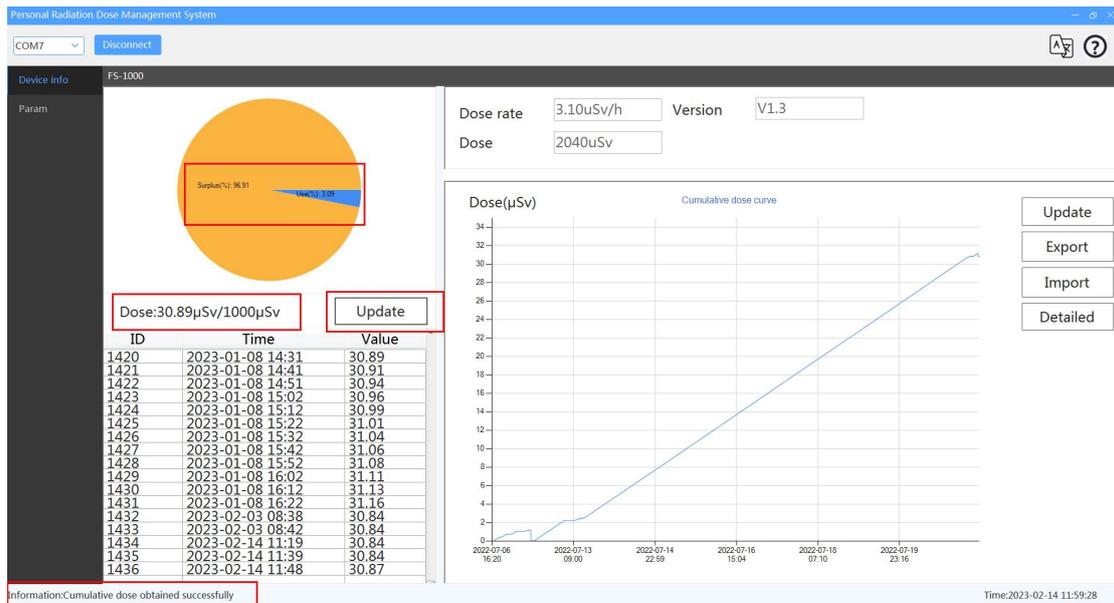
## 3.4  Data import and export

Click the "Export" button, select the directory in the pop-up box, and define the file name.
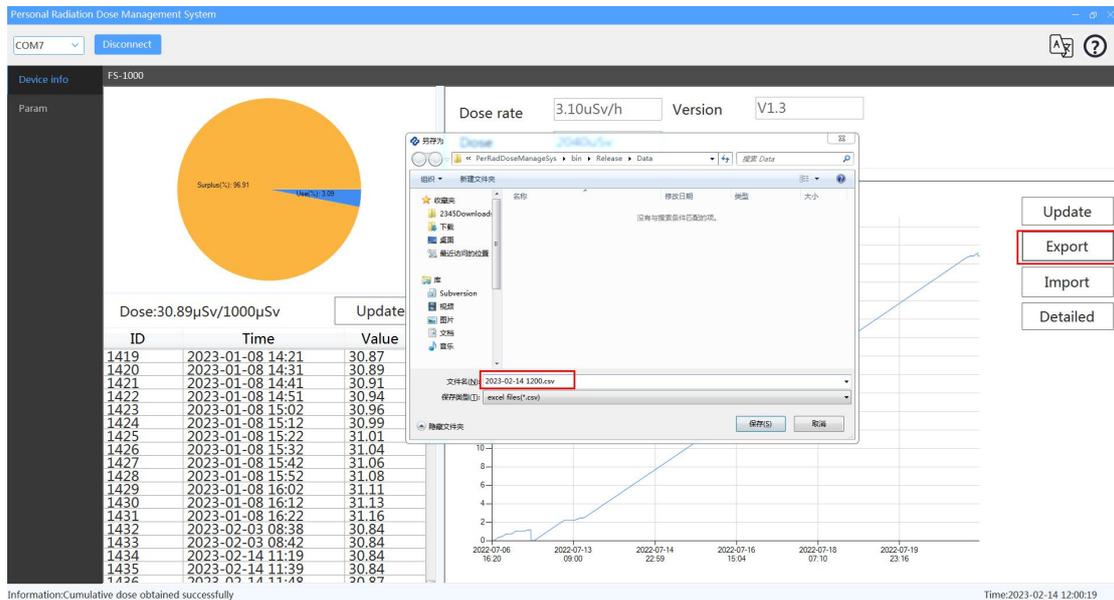


You can re-import the exported Excel file data to display in the software.
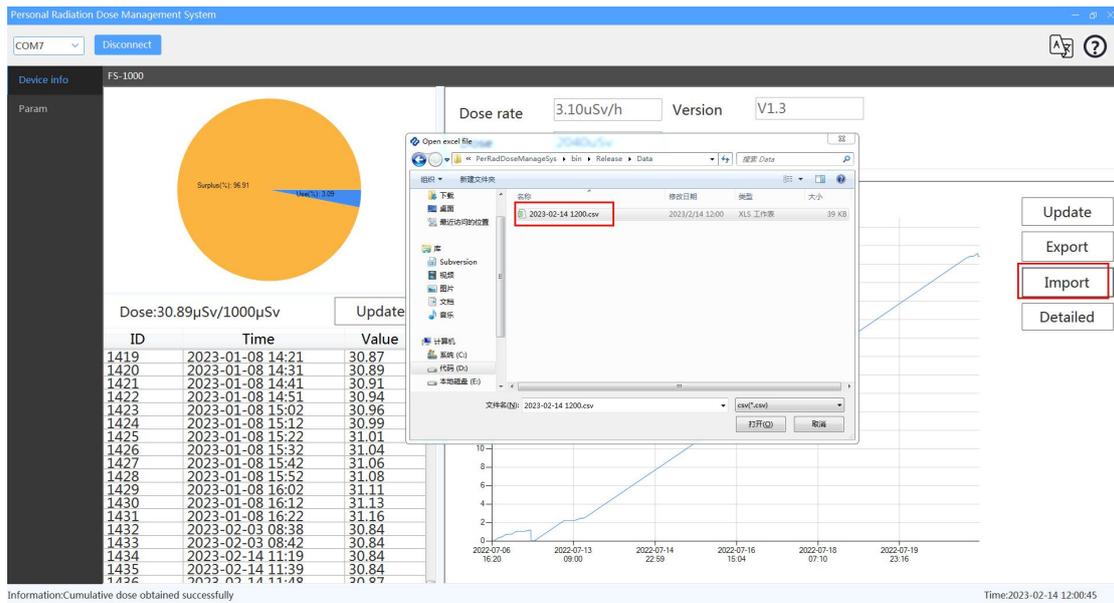
# 4. Other operations

## 4.1 Help documents

In the interface, the button  is help documents and related functions.

Select the model selection and load the interface display of the corresponding model.

Select the help document to open the user manual automatically.

Select the About function to open the About interface. As shown below.