PRESIDIUM®

PRIM II Software (Mac)

User Guide

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1. Using PRIM II Software

The PRIM II Software has the same functionality as the PRIM II unit for the continual elimination of possible gemstones through other known values such as S.G. and Hardness. The functions are as follows:

- R.I. Reading
- Refractive Index (R.I.) Dictionary

A top navigation bar is provided in the software for you to navigate to the functions mentioned above.

1.1. Decimal Separator

The software will adapt to the decimal separator used in different countries which can be either a period (.) or a comma (,). Please use the supported decimal separator according to the system language of your computer.

1.2. Connecting the PRIM II Unit

Step 1: Connect the PRIM II unit to your PC via the USB cable. Make sure that the device is turned on and has the message "USB CONNECT" on the screen.

Figure 1

Step 2: After that, click "Connect" to establish the connection between the PRIM II unit and PC.
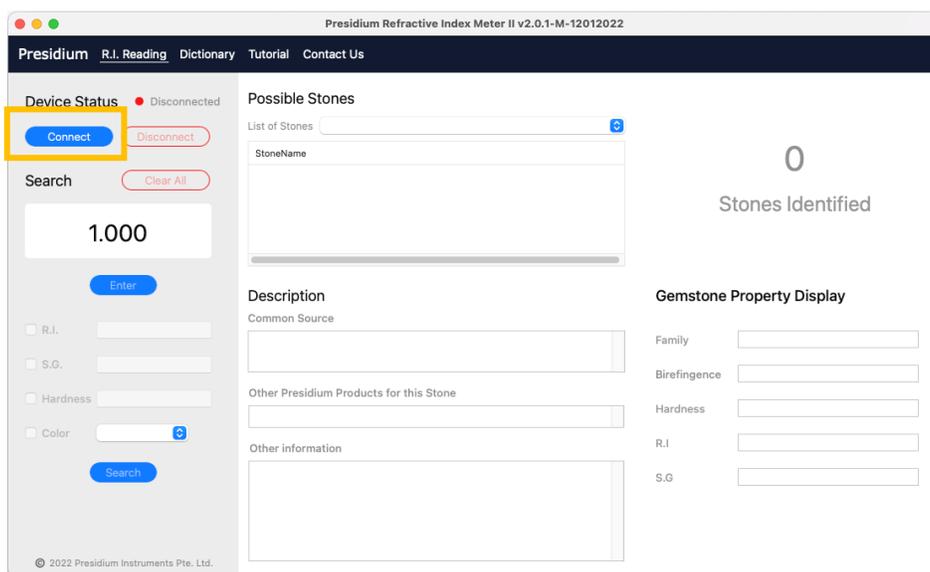

Figure 2

1.3.   R.I. Reading

The R.I Reading helps to look for possible gemstones based on the R.I. reading from the PRIM II unit. Further elimination of the possible gemstones can be done using other values on the various gemstone property.

1.3.1.   Using R.I. Reading Function

Step 1: Place the gemstone on the PRIM II unit as shown in Figure 3 below. Ensure that the gemstone is well-centered to prevent reading errors.

Figure 3

Step 2: Cover the gemstone with the recessed cylinder as shown in Figure 4 and you the see the actual reading on the PRIM II Software.

Figure 4

Step 3: Refer to Figure 5, and click "Enter" to confirm the reading.

Step 4: The software will then provide a list of possible stones based on the R.I. reading. You may select a gemstone to view the description and its properties.
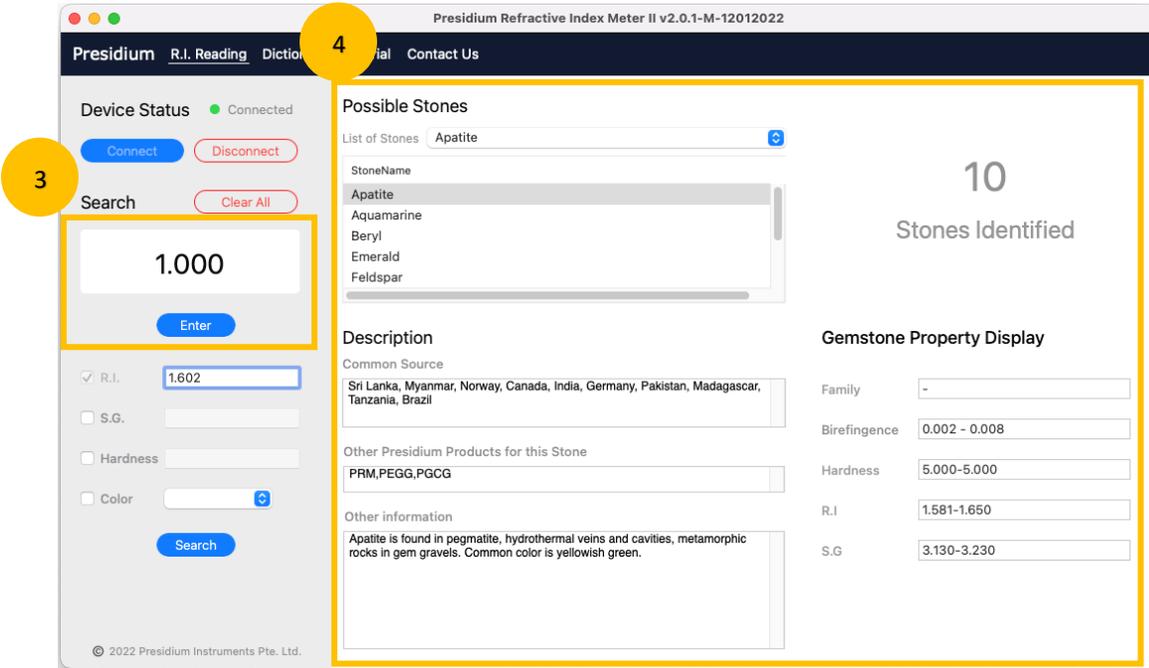
Figure 5

Step 5: Filter the list of possible stones further by entering other known values of the gemstone property and clicking "Search".
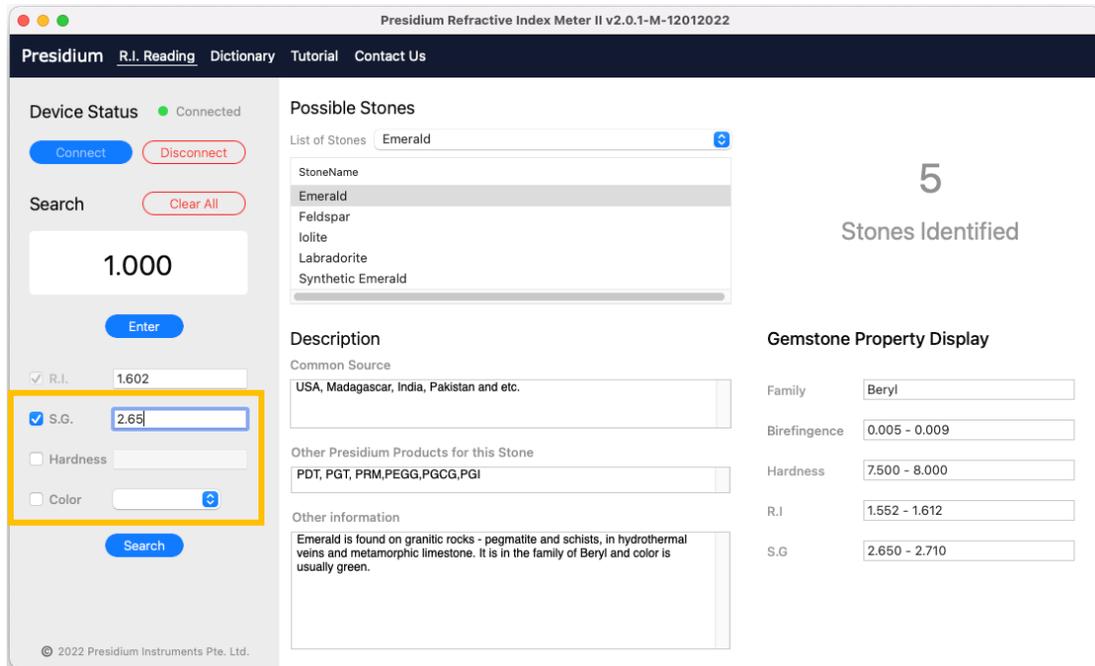
Figure 6

1.4.   Refractive Index (R.I.) Dictionary

The R.I. Dictionary displays the gemstones database and can be used to look for specific gemstones by searching for the gemstone property.

The search can be done using the following values for their respective property

a) R.I value
b) S.G. value
c) Hardness value
d) Gemstone color
e) Gemstone name

1.4.1.   Using the Refractive Index (R.I.) Dictionary

Step 1: Select the checkbox to enable the fields you want to search for. Multiple fields can be used for a more detailed search
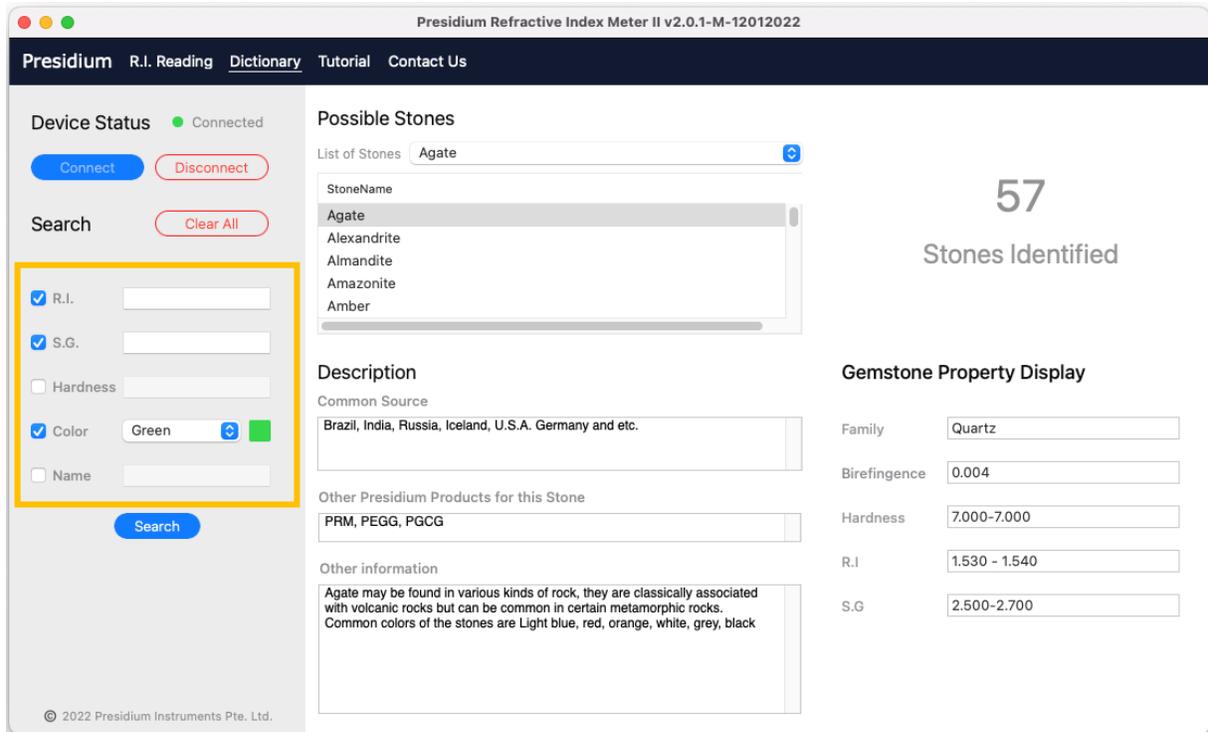
Figure 7

Step 2: Fill in the values for the enabled fields and click "Search" to see the result.

Figure 8

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