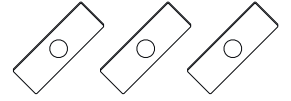


Slide Shifter:
use it under the glass slide, for fast, manual shift of the sample.

Optional:
1 microscope ruler
(0.01mm each division).

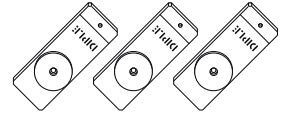
3 prepared glasses:
1 Botanical, 1 Zoology, 1 Botanical +1 plain slide for your samples.



Up to 3 screws for fine regulation of the lens elevation.*

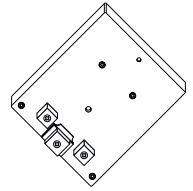


Red Lens (35x, res. 3 µm)
Grey Lens (75x, res. 1 µm)
Black Lens (150x, res. 0.75 µm)

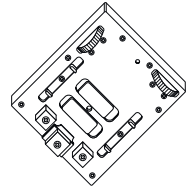


Lens Tiles:
up to 3 different obj. lenses.*

Standard Stage:
with the Standard Stage the user shifts manually the sample under the **DIPLE®** lens.*



Fine Stage:
with this stage the user can move a sample on a standard slide (76mm x 26mm) using two screw-driven systems, along two perpendicular directions. Rotating the two wheels it is possible to shift the slide positioned over the stage in controlled way. The Fine Stage can be used also like the Standard Stage, removing the two lateral elements that keep the glass slide or the slide shifter in position.*



DIPLE®
The Revolutionary Microscope For Any Smartphone

Thanks for purchasing **DIPLE®**, a product designed and manufactured by SmartMicroOptics Srl.

With your smartphone and **DIPLE®** you can have a microscope anytime. Within the portable box of size 175mm x 100mm x 40mm and about 0,5Kg, you will get powerful and solid lenses and accessories for taking videos or pictures at the microscopic scale, with your phone.

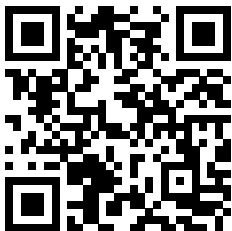
You do not have to mount anything on the phone; just lay your device down on the **DIPLE®** box, aligning the phone camera with the objective lens and with the light source under it.

You can also use your phone without removing your personal protective cover.

A minimal footprint for a microscope; but extremely powerful.



Patented



diple.smartmicrooptics.com

DIPLE®
is a SMO's Registered Trademark

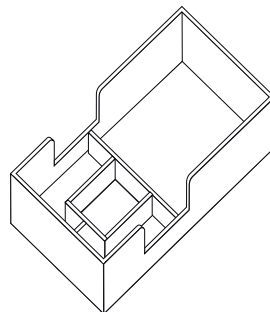
SmartMicroOptics srl
via Reale 203b, 48123 Ravenna - Italy
info@smartmicrooptics.com - www.smartmicrooptics.com



WARNING:
CHOKING HAZARD - Small parts.
Not for children under 3 years.



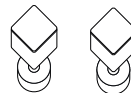
Coverslips:
for covering your samples.



Box:
container & structure supporting light, stage and your phone, when the product is in use.



Light source:
white LED for brightfield microscopy.
Two CR2032 batteries included.



2 screw feet:
additional mechanical stands for the phone, if the box is not enough.



Screwdriver:
use it for releasing/adjusting the blocks that keep the lens in the right position.



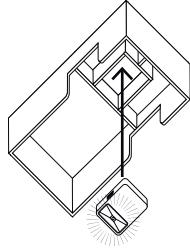
Pipette:
for liquid drops on slides.

(*) depending on the purchased item.

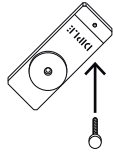
Some steps in the use of DIPLE® are the same for the use with a **Standard Stage**, after removing the two elements that guide glass slides 76mmx26mm, using a cross-head screwdriver.

Visit our website for examples, tutorials, tips & troubleshooting.

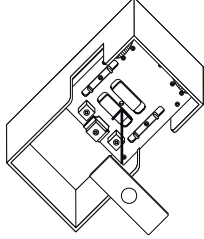
www.smartmicrooptics.com



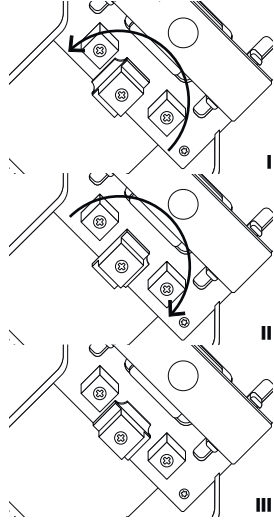
1 Turn-on the light: Lift the stage vertically. The light source is in its site, under the stage. Remove the insulator foil from the batteries, before switching it on the first time. Replace the light in its original position, with light on. The light must be aligned with the hole of the stage.



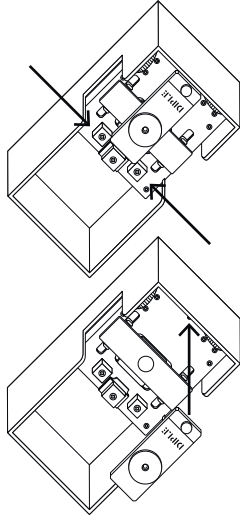
2 In the box you can find screws with knob, for the fine elevation of the lenses (one for each objective lens of your kit). Insert this screw in the hole near one end of the tile.



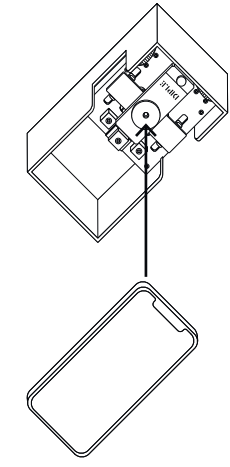
3 Place the sample: Place your sample on a glass slide and position it in the center of the illuminated hole. The first time use a prepared slides in the box, to get practice on the focusing procedure.



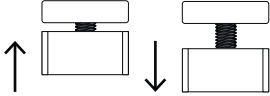
4 Set the black foot: Rotate the black foot with 3 steps following this rule of thumb:
 - Highest step (I) - when you use the Red tile
 - Medium step (II) - when you use the Red tile, Grey tile or the Black tile
 - Lowest step (III) - when you use the Black tile
 The higher the magnification, the lower the distance lens—sample



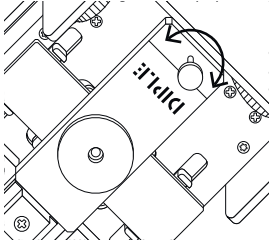
5 Place the objective lens: The objective tile must be positioned keeping its side with the screw near the external part of the box. The screw must fit the little hole on the metallic plate of the stage. The writing DIPLE® is on the top side of the tile. The tile must fit within the 2 lateral blocks, when it lays on the selected step. The magnet on the rear side of the tile should help a stable positioning. Tight/release the blocks with screwdriver, if needed (in particular, for the first setting).



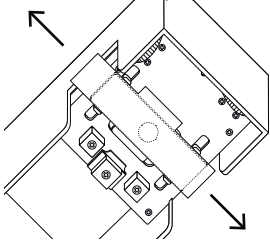
6 Place the phone: open your favorite camera APP. For aligning the phone lens on the DIPLE® Lens look in your screen and move the phone close to the tile, pointing to hole in the black ring; lay the phone on the box and on the black ring of the tile.



7 Screw feet use: The ideal imaging condition is with horizontal tile and horizontal phone. For a very fine tuning you can use the screw feet to manage the elevation of the phone, instead of only lay the phone on the box sides. Use the feet also for tablets or large devices.



8 Focusing: Center the circle of light in the middle of your screen. Apply a bit of digital zoom in order to help the automatic light balancing. Rotate the screw in the tile to move up or down the lens, until you get the right focus.



9 Slide shifter: this part is an optional tool for helping fast, manual shifting of slides. Place it under the glass slide. It can be useful also in the case of preparations on non-standard slides, and with phone with central camera.