

PhotoMed SDL - Smartphone Dental Light User Guide



The PhotoMed SDL is the perfect clinical accessory for your smartphone camera. The instructions below will go over all of the features of the SDL kit.



The components of the SDL kit:

1. SDL including two LED panels and bluetooth enabled hand grip
2. Bluetooth trigger with battery
3. USB charger
4. Dual ended charging cable - allows charging both LED panels from one charger
5. Soft case



When you first remove the SDL from the soft case, you will see that one of the LED panels is turned 180°. This allows the SDL to fit better in the soft case.

As shown in the three images below, turn the LED panel so that it is facing forward.

It is recommended to turn the panel back when storing the SDL in the soft case.



Remove the bluetooth trigger and battery from the bag. Open the battery cover, insert the battery in the trigger and close the cover. Attach the bluetooth trigger to the handgrip as shown in the third photo below.



To connect the bluetooth trigger with your smartphone: Press and hold the trigger button (shown above) for 2-3 seconds. The button will turn blue and will blink to indicate that it is in “pairing mode”. Go to the bluetooth settings screen on your phone and choose “Viewflex-H”. In a moment, your phone should show that the trigger is paired with your phone and the blue light will go out. To test, go to the camera app and press the trigger button and see if it takes a photo.

The trigger will automatically go to sleep after 10 minutes. Press and hold the button for 2-3 seconds to power it back on (the button will briefly light up in blue). Be sure that the phone is near the trigger to re-establish the bluetooth connection.

Once paired with a smartphone, the trigger will only work with that phone. If you want to change to a new phone, you need to un-pair first from the existing phone. Press and hold the trigger button for 6 seconds until the button lights up blue and starts to blink. Release the trigger button. Open the battery cover, remove the battery for a few seconds, re-insert the battery and close the cover. Your trigger has been reset and you can now pair the trigger with another phone using the instructions listed above.

Attach your smartphone to the SDL by angling the phone and placing it against the upper part of the camera mount as shown in the first photo below. Push the phone up to raise the camera mount and then place the opposite side of the phone in the lower part of the mount (shown in photo 2 below). Make sure that the camera at the back of your phone is centered between the two LED panels. The universal mount allows most phones (55mm to 85mm) to be securely attached.



Press and hold the power button (shown at right) for three seconds to power the LED panels on and off.



You can check the battery level in the LED panels when they are powered on. After turning on the panel, press and release the power button and the battery level lights on the back of the panel will show you the current battery level.



You can adjust the brightness level of the LED panels using the + and - buttons. The panel has been sent to you already set at the lowest setting. The low setting should be bright enough for clinical photos but if you shoot video from a distance, you may wish to turn up the power.

There are eight levels of brightness. At the lowest brightness setting, the battery should last 12+ hours. At the highest power level, the battery will last 30-40 minutes.

The panels will remember the level they were set to when you turn them off and will remain at this level when you turn them back on.



The lithium-ion batteries in the LED panels are charged through the USB port on the panel. The LED panels must be turned off while they are charging.

As the LED panels are charging, the battery level lights on the back of each panel will blink to show that they are charging. When they are fully charged, the battery level lights will be no longer blink and all four lights will be illuminated.

We have included a dual-ended USB cable so you can charge both LED panels from a single charger at the same time.

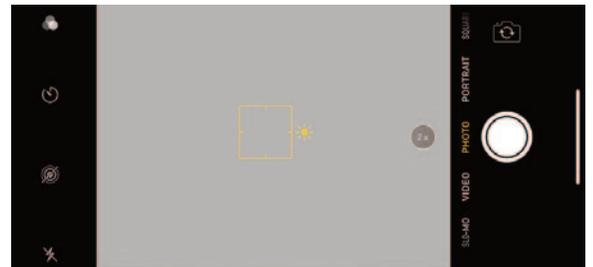
Tips on using your smartphone for dental photography

Newer smartphones have better cameras. The latest generation of smartphones have multiple lens systems and the telephoto lens is going to give you better images with less distortion.

The camera apps that are included as part of the smartphone operating system do a nice job but may be limited when it comes to controlling color through a white balance setting. Both Apple and Android app stores have many camera apps to choose from that will give you more control over the image color and quality.

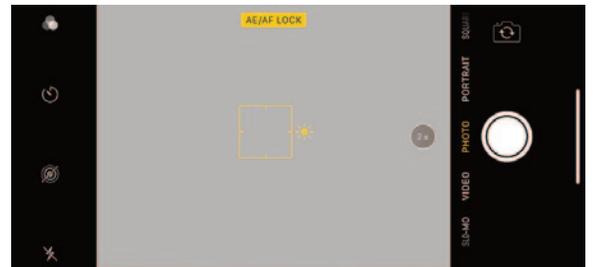
Using the built-in Apple camera app:

When you have an image framed the way you like, you can tap on the screen to have the camera focus at that point. A yellow frame will appear to show you where the app is focusing:



Next to the yellow frame is a "sun" symbol. While the "sun" symbol is on the screen, you can slide your finger up and down on the screen to increase or lower the image brightness.

You can also lock the exposure if you would like to take multiple images at the same exposure. Instead of tapping the focus point, tap and hold for 2-3 seconds and a yellow box will appear at the top of the screen that shows AE/AF Lock.



You can still slide your finger up and down the screen to change the image brightness but now it will hold that brightness setting for multiple images until you turn off the phone or leave the camera app.

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