MACH II

Quick Start Guide

CONTACT US

If you run into issues not covered or resolved by this quick start guide, additional information can be found on our website:

photosentinel.com/support

Our support team in Melbourne, Australia can be reached by phone during normal AEST office hours (9-5 AEST, Mon-Fri), or any other time by pre-arrangement. Our timezone is Australian Eastern Standard Time (+10GMT, +11GMT in summer).

Phone:	**+61 3 9434 7352**
Email:	**support@photosentinel.com**

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TEST BEFORE INSTALLING

The number one technical tip for use of this unit is that you set up and test it before going out into the field to install it. Because the system integrates with complex cellular technology, you may need to manually configure the equipment to work with your local network. Therefore, to save you time, money and stress at the installation site, it is imperative that you set up and test the system before you travel to install it.

SYSTEM ALERTS

System Alerts and Notifications let you know if your system is behaving unexpectedly or has a critical issue.

System Alerts and Notifications are switched on when an installation connects for the first time. By default, you can view Alerts on your installations' **Status** page, the Control Hub **Alerts** page, and will receive Critical Alert notifications via SMS and email.

We encourage you to double-check that your email and phone number details are correct to ensure you receive these critical alert notifications. To do so, navigate to the **Users** page and click on **Details** next to your username. This will take you to the **My Details** page where you can confirm the information in the Contact Details section.

To learn how to change other Alerts and Notification preferences, or to understand more about the Alerts System, read our Knowledge Base article at the URL below.

https://photosentinel.com/knowledge-base/alerts-system/

QUICK START FOR THE MACH II

1 Log into photoSentinel Setup and configure your photoSentinel for testing.

1A
a. Go to **setup.photosentinel.com.au**

b. Log in with your username and password. If you are a new user, you will have recieved an email with your login credentials.

c. Select your photoSentinel from the dropdown menu, then navigate to the **Config** page.

d. For testing, set both the photo frequency and upload/connection frequency to five minutes.

2 Open the housing. Push down on the thumb tabs to unclip and slide out the carriage.

Unclip and slide the camera plate to the right, out of the carriage. (see opposite)

3 Plug the battery insert into the camera battery port.

Mount your camera to the camera plate and secure back into the carriage.

4 Insert SD card, trigger cable and USB cable into the camera.
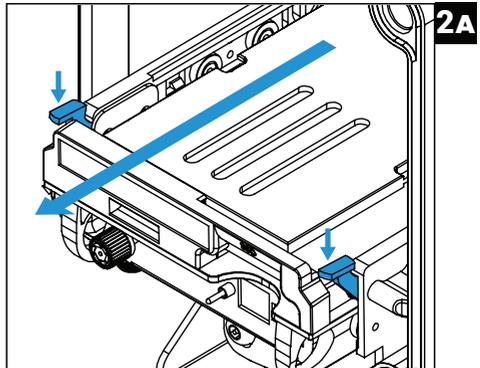
Insert SIM card into the controller.

7A
a. To frame the image, switch the camera to Live View and adjust the three-axis housing mount, securing the bolts using the security hex bit in the accessories box.

b. Check the camera's on-board time and date are correct.

c. Adjust all camera settings as appropriate. As a general rule, lon- term timelapse is best captured in Aperture Priority, with all other settings locked down to manual.

d. **IMPORTANT: Save on-board camera settings by switching the camera off and back on.**

Note: Some cameras do not allow settings to be changed while the USB cable is plugged in. Simply disconnect the USB from the camera and re-connect when the camera set-up is complete.

5 Slide the carriage back into the housing. Push firmly until both sides click into place.

6 Switch the Mach II controller into **Setup** mode.

7 Turn camera on, frame the image and configure the camera settings.

After setting up the camera, leave it switched on for normal photoSentinel operation.

8 Switch the Mach II controller to **On**. The system will power on the camera, take a photo and upload it over the cellular network.

This initial first-time sequence can take up to five minutes to complete.

8A The Mach II controller will attempt to connect to the cellular network for the first time using a series of pre-programmed APNs. If it finds a working APN, it will connect and upload a photo.

If, after trying all the pre-programmed APNs, the system still does not connect, you will need to manually program in your network's APN.
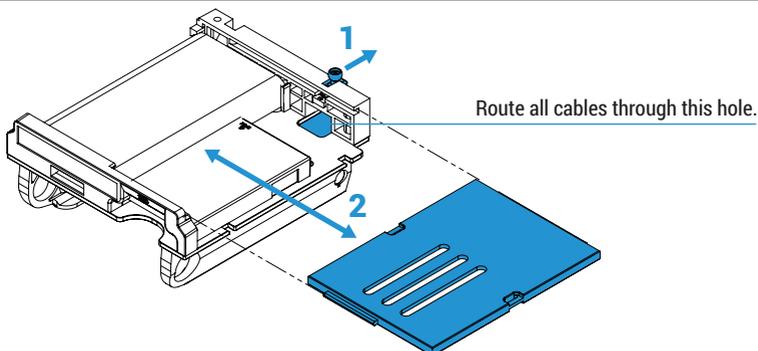
For how to set your APN, see page 6 .

9 View the photo in the web gallery to ensure successful upload.

Repeat as neccessary until satisfied with the images.

9A
a. Go to **setup.photosentinel.com.au**
b. On the **Galleries** page, click on your photoSentinel unit to go to the photo gallery.

10 Shut the door (making sure all the cables are clear) and tighten the triangular security screws.

10 A
a. Check the camera hasn't been knocked out of position.
b. Check there are no marks on the window or camera lens.

11 On the Config page, adjust the photo interval and connection settings to the desired on-going regime for your project.

11 A
a. Go to **setup.photosentinel.com.au**
b. Select your photoSentinel from the dropdown menu, then navigate to the **Config** page.

The most common regime is to set the photo interval and upload/connection settings to the same frequency to ensure consistent syncing of operations.

Setup Complete

2B

1

2

Route all cables through this hole.

SET THE CELLULAR NETWORK APN

The Access Point Name (APN) allows a SIM card to connect to the internet and is unique to each local cellular network. To determine your APN, either do an online search (your network provider + "APN") or call your network provider's help desk. One network provider can have multiple APNs, so make sure you get the APN for your particular cellular plan. If it's unclear which APN is for your service, you may have to try multiple APNs to find the right one.

To set the APN:

1 Switch the Mach II controller to **Setup** mode.

2 Push the rotary dial in once to bring up the **Setup** menu.

3 Rotate the dial to highlight **Set APN** and push the dial in to select.

4 Rotate and push in the dial to enter the APN, and select **Done** when finished.

5 If your cellular network account requires a username and password (generally only required for corporate accounts), then repeat steps 2-4 for **Set APN User** and **Set APN Password**.

6 Switch the Mach II controller to **On** mode. The system will power on the camera, take a photo and then attempt to connect to the cellular network using the entered APN.

7 If the system connects and uploads a photo, you're done! If not, repeat the above steps with another APN until you get a successful connection.

USER NOTES