CamRanger Launcher Application User Guide

Wirelessly Control Multiple Cameras from One Computer

The CamRanger Launcher application allows photographers to control multiple cameras wirelessly from a single computer, either Mac or Windows. Each Canon or Nikon camera being controlled wirelessly requires its own CamRanger. This user guide is essentially the same for the Mac and Windows computer, while the images presented are taken from the Mac computer.

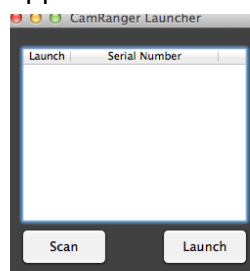Note: Using multiple CamRangers with a single computer requires an existing WiFi connection. A portable router can be used as the existing WiFi, however if the WiFi network does NOT have Internet access, the CamRangers must be registered to the computer prior to connecting the CamRangers to the portable router and using the CamRanger Launcher.

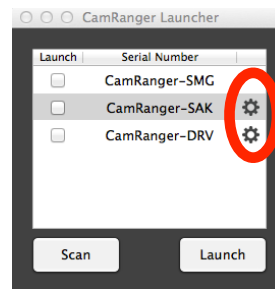- **Requirements for Set up**
  - Mac or Windows PC
  - The most recent CamRanger and CamRanger Launcher applications from the CamRanger website, www.camranger.com/downloads/.
  - Access to all CamRanger passwords and network names, as well as the password of the Existing WiFi Network.
  - *Note for Windows Users:* When using the CamRanger Launcher on a Windows computer by default the Windows Firewall will prevent connection. There are two possible options. First, the Windows Firewall can be temporarily disabled. Or the firewall can be modified to allow multi-cast pings. This is a somewhat advanced configuration and can be done by creating a new firewall rule to allow all ICMPv4 communication for the CamRanger Launcher application.

- **CamRanger Launcher:**
  - Power on each CamRanger and wait for at least 2 lights to appear.
  - Connect the computer WiFi to the existing network.
  - Open the CamRanger Launcher Application and the following screen will appear:
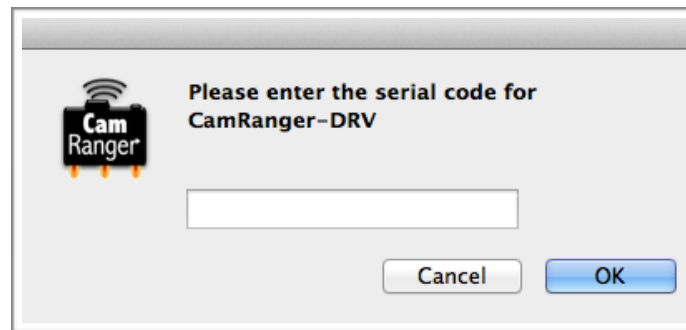
- Click the "Scan" button.
- All visible CamRanger networks will be listed.   The gear icon listed next to the CamRanger networks indicates that the CamRanger configuration for the WiFi network bridging has not yet been established. WiFi birding must be configured to allow for the cameras to to used from one computer.

Associated CamRanger
Requires WiFi Configuration

- The user should select the CamRangers to be controlled simultaneously by clicking the check box in the Launch column and then press the "Launch" button.
- For any CamRangers to be configured, the following process will be done:
    - Enter the CamRanger WiFi passwords when prompted (the password is the CamRanger serial code in all CAPS).

    - Enter the WiFi password for the existing network if prompted. If the password is entered incorrectly, and error message will appear (Refer to the trouble shooting section of this document if the password is entered incorrectly).
- A dialog will appear and, if not previously selected, the user will need to find and select the CamRanger application.

- A CamRanger application window for each CamRanger in use will open, as pictured below. The upper menu bar for each CamRanger application will identify the CamRanger in use. The windows can be resized, moved, and minimized.

- Note that the CamRanger units will be bridged into the existing network after running the CamRanger Launcher application; if the CamRanger is used with a different computer or iPad within range of the existing network the CamRanger will retain the same bridging configuration.

Using a Portable Travel Router

If the user wants to use the CamRanger Launcher with a personal travel router, all CamRangers must be registered within the CamRanger application on the computer prior to running the CamRanger Launcher application. An error message will occur if the CamRangers have not been registered when using the portable router and establishing configuration within the CamRanger Launcher application.

Troubleshooting

- Before starting the CamRanger launcher, ensure that the computer is connected to the existing WiFi and not a CamRanger network.
- For more detailed instructions about CamRanger bridging configuration, refer to the CamRanger Settings User Guide found at *www.CamRanger.com/downloads/*.

- If the CamRanger WiFi password has been changed, the CamRanger must be manually configured using the CamRanger Settings application.
- If a CamRanger network is not listed as an available network within the CamRanger Launcher:
  - Confirm that the CamRanger is turned on and has at least two lights.
  - Click the "Scan" button to re-attempt the scan.
  - If using Windows, confirm the firewall is configured correctly (see note on page 1)
  - Download and use the CamRanger Setting application from www.camranger.com/downloads/ to manually confirm the status. The best course of action may be to just remove any bridging.
  - Of note, if the computer is on a network that is bridged to CamRangers, the Settings application could connect to one of those CamRangers. It is recommend to temporarily disable the WiFi connection and connect to the desired CamRanger via an Ethernet cable.
- If an incorrect existing network password is entered within the CamRanger Launcher Application bridging will likely need to be manually established with the CamRanger Settings application (www.camranger.com/downloads/). The bridged network will need to be removed and then re-entered.
- CamRanger units can only bridge into an existing Wi-Fi network and cannot bridge with other CamRanger networks. Do not attempt to add other CamRanger networks to the "Known Networks" list, only add the existing Wi-Fi network. Close the CamRanger Settings application once all CamRangers are configured. Bridging can also be established using an iPad or iPhone.
- If the Mac Launcher app fails to open due to security reasons, open the System Preferences, and navigate to "Security & Privacy"->"General" and allow applications downloaded from "Mac App Store and identified developers."

- Contact CamRanger at support@camranger.com with questions.

Background Information
The configuration process is automating a process that can be performed manually. Listed below is brief summary of the manual steps:

- Ensure connection to the Internet
- Register CamRanger using CamRanger application
- Connect to CamRanger network via Ethernet
- Launch CamRanger Settings application
- Bridge CamRanger to main/bridge network
- Join main/bridge network with computer

Some or all of these steps may be used if difficulties are encountering during the automatic configuration as part of the launcher.