

Using the *BCXLV-WIFI™* Wireless Cheshire



ATTENTION – CATSEYE RELEASE OF LIABILITY: These camera-display phone apps are of 3rd-party origin and were programmed for other applications such as dash CAM or baby CAM displays with GPS emergency-service transmission functionality; as such, they “may” require permission to access your location, phone and storage to initially install and/or function.

Having passed Apple’s screening process to be listed on their Play Store, **CATSEYE** Collimation LLC is confident that these permissions are not malicious. That said, your decision to install and use them on your smart device is at your discretion and **CATSEYE** Collimation LLC is released from any and all liability relative to their use on your device.

Apple/iOS Devices:

Download & Install
“CP58” From the Apple
Play Store:



CP58

Android Devices:

Download and install “SMARP DCam” here:

https://www.catseyecollimation.com/WIFI/SMARP_DCam_v0.9.25.001.apk

or

<https://apkqk.com/com.zxc.dvsonghan/download>

or

<https://apk.tools/details-smarp-dcam-apk/>



SMARP Dcam

(Links are also on the **CATSEYE** Website on BCXLV-WIFI Info Page)

Using the *BCXLV-WIFI™* Wireless Cheshire

Step 1: Download & Install the video display APP referenced above onto your mobile device. For Android devices, you will need to go to your device “Settings” and enable 3rd-party App Downloads.

Step 2: Plug the USB charging cord into the camera and a USB charging port. The initial charging indicator LED color is “Blue” for a couple of seconds and then turns “Red”. When charging is complete, the indicator LED color is simultaneous “Red/Blue”. If the “Red/Blue” indicator does not appear after 6 hours of charging, unplug the charging cord from the camera for 5 seconds, re-plug and check again after 10 minutes.

Step 3: . Disconnect the charging cord – the camera LED will blink for a few seconds and then turn off. Turn on the camera by pressing and holding the power button on top of the camera until the “Blue” indicator LED comes on.

Step 4: Go to the mobile device “Settings/WIFI connections” and connect to the camera WIFI signal labeled “SMARP_XXXXXX” (labeled on the rear of the camera). Enter a one-time-password of “12345”. On Androids, there may be a requirement to acknowledge “no internet” connectivity.

Step 5: Click on the mobile device App (CP58 or SMARP DCam) to start the display. It will take a few seconds to process and connect to the WIFI signal so be patient. It may be necessary to click on the “camera” source icon. Once the display appears, tap the “expand” icon in App display on your mobile device to open the image up to full screen.

Step 6: If collimating outdoors, aim the telescope to a bright part of the sky away from the sun to illuminate the Cheshire ring and spot. When indoors, illuminate the spot with a RED LED light located adjacent to the Secondary holder. If using the CATSEYE Red LED clip light on the spider vanes, place the clip mount adjacent to the Secondary mirror holder with the beam aimed at the Primary center spot.

Step 7: Insert the BCLV-WIFI assembly into the scope focuser and tighten a focuser set screw to secure the tool in place. While observing the image on your phone, direct the RED LED beam at the center spot to maximize the brightness and clarity of the reflections without generating disruptive “glare”.

Step 8: To focus the reflections, turn the body of the camera to find the optimum focus setting to discern the outline of the center spot and the inside of the Cheshire ring.

Note: Simultaneous focus of both reflections is not possible because the “ring” image is located at infinity and the spot image is located one focal length away. Adjust the focus of the 2 reflections to get the best visual resolution of the relative position of the two.

Step 9: With mobile device in hand displaying the Cheshire/center-spot reflections, go to the rear of the scope and adjust the Primary tilt-adjustment screws while observing the resulting reflection queues on the mobile display. Adjust the Primary tilt until the center spot reflection is perfectly centered inside the Cheshire ring reflection.

TIP: For improved axial-error resolution of the Cheshire Ring/Center Spot, enable the “finger-gesture” screen “zoom” functionality of your device to enlarge the camera image to fill up the screen.

THAT’S IT! ONCE AND DONE!