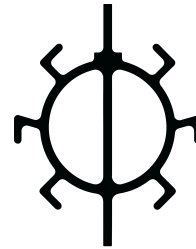


# OV1 Quick Start Guide

v26.01/v26.02 - May 2026

This document outlines **basic usage**, **initial setup**, and **updating** of the Focusbug OV1 Cine RT Overlay Module.



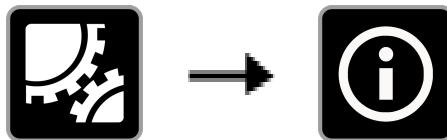
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## Basic Usage

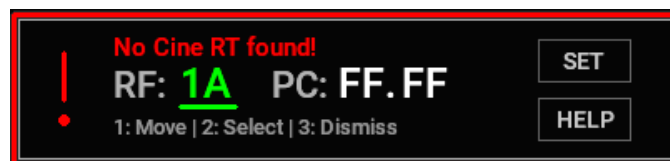
- A bi-directional Cine RT cable is required for OV1 functionality.
- The Cine RT system requires a firmware update before use with an OV1.
- The Cine RT base must be powered and active for the OV1 to be operated.
- The OV1 must be paired to an updated Cine RT system for use.
- The OV1 is intended to be mounted on a focus monitor, powered via 12V (9-36V rated), and controlled by a paired Focusbug Handset.
- The OV1 is compatible with any 1080p, 23.98/24/25/29.97/30fps video input and outputs 1080p at 60fps.

## Initial Setup

1. Ensure both Cine RT components **Focusbug Base** and **Focusbug Handset** have been updated to **v26.01** firmware.
2. Power on all components, including the OV1.
3. Connect the OV1 to a powered focus monitor via the SDI OUT port.



4. On the Cine RT Handset enter the *settings* page and select the *info* button.
5. Note the *Handset or Base Pair. Code* (ex. 00.01) and *RF Chan.* (ex. 1A).



6. Use the buttons on the side of the OV1 (1, 2, 3) to navigate the above menu, matching **RF** to the **RF Chan.** value and **PC** to the **Pair. Code** value for your unit.
7. In the above menu, navigate to and select the **"SET"** button.
8. Your OV1 will automatically connect to your Cine RT and save the pairing info.

### **If the OV1 focus ring does not match the handset focus ring on initial use:**

Please ensure the Cine RT is set to the correct serial protocol. Recent firmware adds "metric" variants of several protocols. **This designation refers only to the units used for internal communication between devices.** Display units are set independently. Choose the protocol variant that matches your chosen focus handset configuration.

# Update Procedures

## Updating Cine RT Base and Handset

The Cine RT Base and Handset continue to be updated in the same manner as before. If you are unfamiliar, please see the following videos based on your host computer:

MAC/Apple: [https://youtu.be/DvJldkjgs\\_M](https://youtu.be/DvJldkjgs_M)

PC/Windows: <https://youtu.be/tziZ13MYUsk>

## Updating OV1 Unit

Your OV1 arrives with the latest available firmware loaded. For updates released after the version noted at the top of this document, the OV1 requires **TWO** updates described here:

1. *OV1 Software Update:*
  - a. Download and copy an “ov1\_update\_x.x.x.ov1” file to the provided Focusbug USB Update Drive.
  - b. Ensure the OV1 is **powered down**.
  - c. Insert the Focusbug USB Update Drive into the USB-C port.
  - d. Once inserted, **power on** the OV1 and wait for the unit to boot.
  - e. Once booted, press and hold **button 2** on the side of the OV1 to start the update process. The overlay will indicate when the update was successful.
  - f. **Power down** the OV1, remove the drive, and reboot the OV1 unit.
  
2. *OV1 Firmware Update:*
  - a. Download an “OV1\_STM\_Firmware\_x\_x\_Base.hex” file to your computer.
  - b. Connect a Focusbug Programmer to the **PRG.** port on the bottom of the OV1.
  - c. Follow the same instructions for updating the Cine RT Handset with the following exception: no button holding required!