

CLOVER 10

Handheld Video Magnifier

User Guide



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Precaution



Before using Clover 10 for the first time, you must charge its battery. Refer to **Battery Charging** section for more details.



Always operate the unit in a place where the temperature is between 10°and 35°C (50°and 95°F).



Keep the unit away from wet areas, rain, and other sources of liquids. Do not submerge the unit.



Do not attempt to repair the unit. Any unauthorized attempt will void the product warranty. Please contact your distributor.



Use the supplied power adapter and battery.



Quick Start

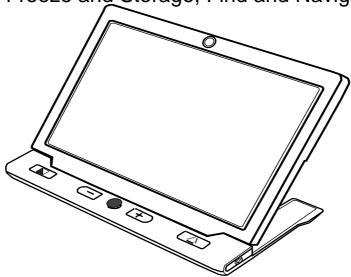
Overview

Thank you for purchasing Clover 10.

Clover 10 is a portable 10 inch video magnifier with excellent Full HD image quality, and it assures the real-time crisp image while moving or changing magnification continuously from 2.5X to 18X. The integrated dual camera system provides three viewing ways to fulfill the daily use. For example, **Near View** to read books or newspapers; **Far View** to see posters or blackboards; **Mirror View** to dress up.

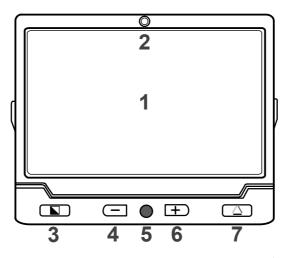


Besides the common zooming and color mode function, there are also various practical functions such as Reading Line & Mask, Image Freeze and Storage, Find and Navigation.





Compositions

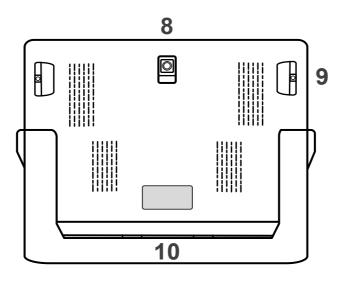


- 1. LCD Screen
- 4. Zoom Out
- 7. True Color

- 2. Front Camera
- 5. Joystick

- 3. Enhanced Color
- 6. Zoom In



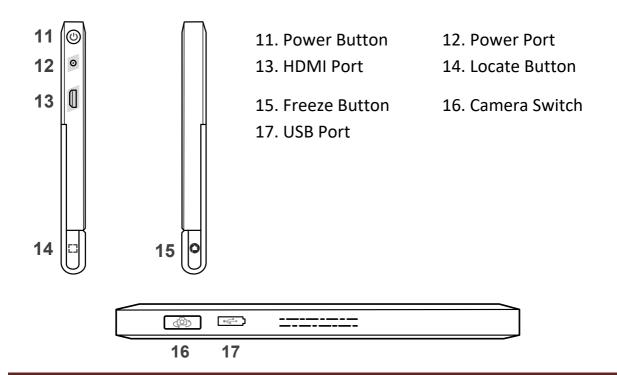


8. Rear Camera

9. LED Lights

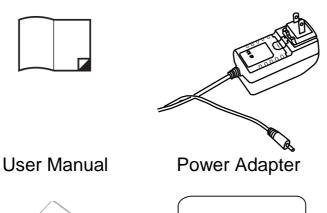
10. Stand







Accessories

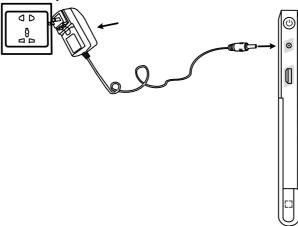






Battery Charging

- 1. Connect the supplied power cable to the power adapter.
- 2. Connect the supplied power cable to the unit's power port.
- 3. Plug the power adapter into an AC outlet and start charging.



Power LED

- Charging when the unit is off, the power LED will be green, and then auto turn off when fully charged. A full Charge will take about 5 hours, and will support the unit working for about 3 hours.
- Charging when the unit is on, the power LED will be green.
- When the unit is on without charging, the power LED will be green when the battery level is high and will be red when the battery is dying. As long as the red light starts to flash, it is a signal to charge the battery.

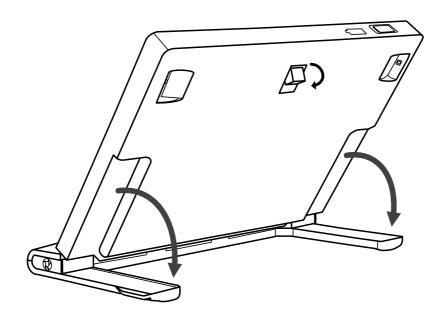
 You can also check the battery status by pressing the power button. Refer to the following instructions for more details.

Stand

With integrated fold-away writing stand at an ergonomic viewing angle, clover 10 can satisfy users' desire to read more and long time in a comfortable position. Also there's enough space under the camera to work the pen. Unfold the stand as the following figure shows.

The rear camera is designed to auto rotate according to the status of the stand, so that both the Near View and Far View are supported on this unit.





Operation

Power Button

- ☐ Press and hold the power button U for 5 seconds to turn on/off the unit.
- ☐ When the unit is on, press the power button Uto check the current status of battery capacity, freeze mode, focus status, and beep.
- □ Press other buttons when holding the power button will make combo functions. Refer to the following instructions for more details.

Beep Type

- Unit on/off beep
- Button beep
- Threshold beep
- Low battery beep

Beep Control

☐ Press and hold the Power button Uand press the True Color button ☐ to turn on/off the beep.

Camera Switch

☐ Turn the Camera Switch → right to open the front camera for Mirror View

Magnification

□ Press the Zoom In button + to increase magnification, and hold the Zoom In button + for continuous increase.

☐ Press the Zoom Out button—to decrease magnification, and hold the Zoom Out button—for continuous decrease.

 Magnification range when standing on table: Back/Front Camera: 2.5x – 18x

Color Mode

A color mode is a predefined color combination. Full-color mode is suitable for viewing pictures or maps.

Enhanced-contrast mode is combined with different foreground and background colors which can help to read more clearly.

- ☐ Press the Enhanced Color button ☐ to go through the Enhanced-color combination list.
- ☐ Press the True Color button ☐ to return to the Full-color mode.

□ Holding the Enhanced Color button for 5 seconds to switch between the Simplified Enhanced Color Combination List and the Integrated Enhanced Color Combination List (factory default).

The Simplified Enhanced Color Combination List (5 modes):

☑ White on Black

☑ Black on White

☑ Yellow on Black

☑ White on Blue

☑ Yellow on Blue

The Integrated Enhanced Color Combination List (18 modes)

☑ White on Black

☑ Black on White

☑ Yellow on Black

☑ Black on Yellow

☑ White on Blue

☑ Blue on White

\checkmark	Yellow on Blue	\checkmark	Blue on Yellow
$\overline{\checkmark}$	Green on Black	\checkmark	Black on Green
$\overline{\checkmark}$	Violet on Black	\checkmark	Black on Violet
\checkmark	Blue on Black	\checkmark	Black on Blue
\checkmark	White on Green	\checkmark	Green on White
\checkmark	White on Red	\checkmark	Red on Black

Brightness

Brightness of the screen can be adjusted in both Full-color mode and Enhanced-contrast mode.

☐ Press and hold the Power button Uand press the Zoom In button to increase the brightness. Factory default value will be highlighted green.

☐ Press and hold the Power button Uand press the and Zoom Out button—to decrease the brightness.

Lighting

□ Press and hold the Power button Uand press the Freeze button to turn on/off the LED Lighting manually.

Image Freeze

- ☐ Freezing an image on the LCD screen can be useful for further reading. At this status, magnification as well as color change are still allowed for a better experience.
- ☐ Press Freeze button ☐ to lock the active image.

- ☐ Press Freeze button again to unlock.
- ☐ For the locked image with increased magnification, you can use the Joystick to navigate around freely.

Image Storage

- □ Long press the Freeze button of for 3 seconds to store the current image. You can save up to 18 images.
- Note: When the saved images reach to the maximum value (18 images, Memory Full ICON appears), you will need to delete some pictures first in Playback mode before the next successful saving.

Image Playback

- ☐ To enter the Playback mode, long press the True Color button ☐ for 3 seconds.
- Slide the Joystick to select the target image from the Nine Grids Thumbnail Image Gallery. Press the True Color button to view the target image. You can view and navigate the image with the same operations described in the Image Freeze section. Press the Freeze button to return to the Nine Grids Thumbnail.

- □ When in Nine Grids Thumbnail, press the Locate button belief to select the target Image which needs to be deleted. Press the Locate button belief again to confirm, or any other buttons to cancel.
- ☐ When in Nine Grids Thumbnail, hold the Locate button ☐ for 5 seconds to delete all the images. Press the Locate button ☐ again to confirm, or any other buttons to cancel.
- □ Long press the True Color button ☐ for 3 seconds to exit the Playback mode.

Line & Mask

Press the Locate button to switch among different Reading Line & Mask modes.

- One horizontal line
- One vertical line
- Horizontal mask
- Normal, no line & mask
- ☐ Slide the Joystick to change the position of reading line or the distance between the masks. The Real-time Navigation is unusable in Line & Mask mode.
- □ Press the Power button U will quickly exit the Line&Mask modes.

Find

- □ Long press the Locate button ☐ for 2 seconds and hold not to release it, a location box would appear.
- ☐ Move and change the content in the location box, aiming it at the part you want to view, and then release the Locate button ☐, the image will return back to the previous magnification with the refreshed content.

For example, you are viewing one part of a map with a certain magnification. Then you want to see another part without changing your favorable magnification. Then the function would be convenient and useful for you.

Real-time Navigation

- ☐ In the state of amplification, users can slide the Joystick when in the real-time video mode to navigate the image for seeing more without moving the unit.
- ☐ Press the Zoom In + and Zoom Out buttons at the same time to help you re-center the image (Red Dot appears).
- ☐ Press and hold the Power button U, and slide the Joystick
 - to quick jump to the start point or end point for better reading experience. For example, if you have finished reading a horizontal line and want to read from the beginning of the next line, just press and hold the Power button U and

slide the Joystick left. The start point or end point will be auto recorded and refreshed according to the maximum navigation range when reading.

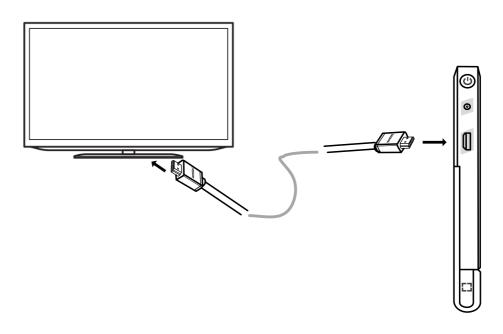
Memory

The unit will memorize automatically the most recent settings such as color mode, magnification, beep when power is off normally and apply them when the unit is on next time.

HDMI Output

Connect the unit to your external display device with HDMI cable for a better and larger viewing.





Auto Power Saving

If no operation and no move for over 3 minutes, the unit will turn off automatically.

□ Press and hold the Power button Uand click the Enhanced Color button to turn on/off the Auto Power Saving function manually (factory default is on).

Restore

Long press the Freeze button and the Locate button at the same time for 5 seconds to reset to the default factory settings. Auto power off when reset is done.

Hardware Reset

When the unit is hung or can't be turned off normally, press the Power U+ Freeze button U+ True Color button at the same time to trigger the hardware reset.

Troubleshooting

The unit does not turn on

- Connect to the power adapter
- Charge the battery
- Hardware Reset

Black screen or White screen

- If the unit is sitting on a flat pure surface, the screen may be black or white. Lift the unit off to ensure change happens
- Adjust the magnification
- Adjust the color mode
- Restart the unit
- Hardware Reset

The image does not change

- If the unit enter the freeze mode or playback mode, the image will not change
- Press power button to check the current status
- Restart the unit
- Hardware Reset

Smudges or blemishes on the screen

- Adjust brightness
- Clean the LCD screen and camera

Please contact your local distributor if problem is not solved.



Specifications

Display: 10 inch wide LCD, HD screen

• Camera: Auto Focus, HD

• Size: <= 245*200*22mm

Weight: <=680 grams

Color Mode: True color, 5 Simplified enhanced color modes;

18 Integrated enhanced color modes

■ Magnification: 2.5x – 18x

Battery: Integrated rechargeable Li battery; 3-hour

continuous use after 5-hour charge

Power Adapter: Input: 110-240V; Output: 5V/3A