Phantom Miro LC Touchscreen Menu Guide

Updated June 2016 for the following Miro Models: LC111, LC311, LC121 and LC321S
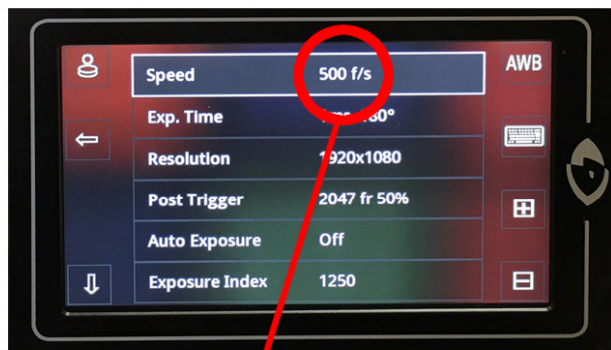
- Screen is used both as a viewfinder and for touchscreen controls
- Most of the images shown here are with the screen flipped around and folded back onto the side of the camera

First, tap the center of the screen to bring up the menu controls

**Tap the menu icon as indicated to bring up the main capture and setting control menu**

Scroll up and down to find desired setting. Alternatively, use the up and down arrows at left. Tap once to select parameter to change.

Moving the on-screen display

It is possible to move the on-screen display to another monitor, which will provide a clean image on the LCD screen. The on-camera display can only be present on one output, either the LCD screen or the camera's video output.

To do this on **LCxx1 models**, use two fingers in an outward pinching motion, as if you are zooming into an image. To bring back the menu, use two fingers and pinch inward, as if zooming back out of the image.
On **LCxx0 models**, tap the circle button next to the display**.**
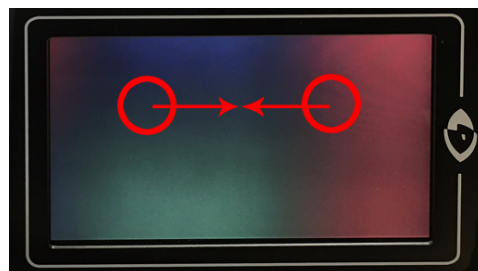
Miro LC Touchscreen - Full Menu
Scroll up & down, tap to select

Speed	100 f/s
Exp. Time	9ms 324°
Resolution	1280x800
Post Trigger	10 fr 0%
Auto Exposure	Off
Exposure Index	4000
Video Format	NTSC
Color Bars	Off
Prod. Area	0x0
White Balance	5191K
Color Comp.	+0.51
Master Gamma	2.222
IBAT Enable	Off
IBAT Area	1x1
IBAT Position	-1,-1
IBAT Speed	0 fr
IBAT Sensitivity	Custom
RAM Partitions	1
At End of Recording	Do Nothing
Language	English
Advanced Settings	On
Auto Exp. Comp.	0.000
Shutter	Enabled
EDR	0µs 0%
Frame Burst	Off
Burst Period	305.9µs
Auto Black Ref.	Off
Save Region Start	First Frame
Save Region End	Last Frame
Frame Sync	Internal
Trigger Polarity	Falling Edge
Trigger Filter	32µs
Frame Delay	0ns
Aux Signal	Strobe
Ready Deasserts	After Trigger
Saturation	1.000
Master Black	0.000
Gain	1.000 1.000 1.000
Pedestal	0.000 0.000 0.000
Gamma	2.222 2.222 2.222
Matrix	Off
Tone	Off
PA Offset	0,0

Select a menu item by tapping once. On the right, + and - symbols will appear when applicable, and a keyboard symbol can also be selected for data entry
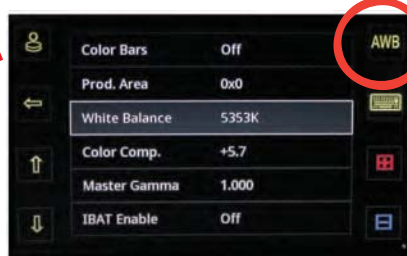
The keyboard/data entry menu allows you to enter any available value, then tap the 'return' key to accept

The Exposure time menu allows the camera's exposure to be entered in microseconds, milliseconds or degrees

The Post Trigger can be entered in frame count or percentage. The value represents the amount of frames past the trigger point to be stored in RAM

The camera's white balance can be set with the AWB on the upper right or manually by adjusting the color temperature and color compensation
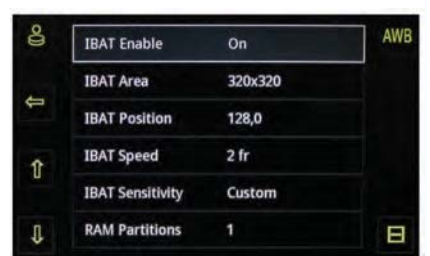
The IBAT parameters control the camera's 'Image Based Auto Trigger' functions. These settings fine-tune the accuracy of the trigger, based on your event

Several languages are available for the menu display: English, German, Spanish, French, Japanese, Chinese and more

End of recording, or 'automatic actions' can be set: Play, Save, Play & Restart, Save & Restart, Play Save & Restart

With Advanced Settings Off, the menu ends here, and all advanced parameters go to the camera's default

With Advanced Settings On, the menu expands and the camera's full functionality can be accessed

Miro LC Touchscreen - Top menu controls, capture menu and on-screen display

Factory Defaults

0	Keep Shooting	2012/08/13
1	Long Record	2012/08/13
2	Speed	2012/08/13
3	[empty]	
4	[empty]	

Factory & User Settings menu: Load the factory settings, access 3 factory-saved presets, or store up to 6 of your own presets

Setup Name: test-f2-500f

When saving a user-setup, enter a name and tap the 'return' button to save it. Any of the 3 factory-saved presets can be modified or overwritten

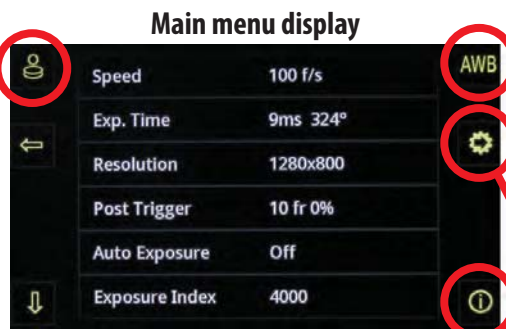**Load User Setup?**
Current settings will be lost
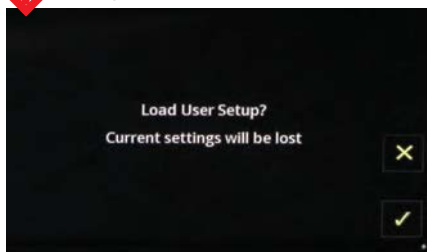
When loading any of the user settings or factory defaults, you must tap to confirm or cancel

Main menu display

Speed	100 f/s
Exp. Time	9ms 324°
Resolution	1280x800
Post Trigger	10 fr 0%
Auto Exposure	Off
Exposure Index	4000

AWB
R: 1% G: 1% B: 1%

Low light

AWB automatically adjusts the camera's white balance. Place a white or neutral object in the center square and tap once. White subject must not be fully saturated

Camera	Video
IBAT	Memory
Advanced Capture	Advanced Signals
Advanced Video	

Menu categories are used to jump to certain places in the camera's main menu list.

Model: Phantom Miro LC310 12G Serial: 13068
Firmware level: 0 (7387/830/1022)
Sensor: 29° Camera: 56° Fan: 85% TEC: 33%

Camera info displays model, serial #, memory size, firmware level, and current temperature readings

Status indicator: Capture mode, Cine Stored, Playback, Live

Trigger point, frame count, record time

O 1
IBAT
229/12:12:00.385812   8310fr 83s
                           CF Ready 51/246G

Capture menu

13068
100f/s   9ms 324°   DC:23.9V
                              1280x800

CineFlash status and free space indicator

Trigger. Trigger is also available from red button on front of the camera body, or via capture port.

Voltage & Battery life indicator (counts down)

Frame rate   Exposure time & Shutter angle   Resolution

229/11:01:23.753619   8310fr 83s
                           C1 Saving 8155

▷ RAM 1*   8310fr 83s 16:01:19   ▷

CF

**Cine Management:** View and select cine files stored in RAM, save and/or delete to re-arm the camera

c_13102_2	5.25G	226/16:33:59
c_13102_3	5.25G	226/16:35:55
c_13102_4	5.25G	226/16:37:41
c_13102_5	5.25G	226/16:38:19
c_13102_6	1.44G	226/16:38:57
c_13102_7	1.44G	226/15:22:37

Tap CF in Cine Management menu to bring up list of files stored on CineFlash drive. Delete individual takes or tap 'XCF' to format (secure erase) the drive.

▶ 1
229/11:00:04.399624   8310fr 2'18s
                           C1 Saving 5496

⊢ ◁ □ ▯▷ ▷ ⊣

Play Cine files in RAM. Tap forward or reverse multiple times to speed up playback. Tap in and out points and save to CineFlash. Apply a long press over the in & out markers to reset

Secure Erasing CineFlash
Please Confirm
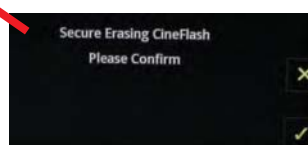
Front camera buttons
1) Auto-set (top right)
Tap to scroll through video tools functions: Zoom (1:1), Threshold and Live mode
Long press (3 seconds) will perform an internal CSR (current session reference)

2) Trigger button (lower right)
Tap once to trigger the camera
Long press (5 seconds) will delete the last RAM Cine file and re-arm the camera