Canon C100 Factory Reset Cheat Sheet (UK Version)

Factory Re-set

Have you backed up the current settings?

Wrench Menu → Transfer Menu/CP → Save to SD

Wrench Menu → Reset → All settings

Resets everything: camera settings, assignable buttons, Custom Profiles, the lot. Then…

From Power-up

Skip setting clock now (do this later)

WRENCH MENU

• Check Frequency -

50.00 Hz - European/PAL
59.94 Hz - US/NTSC

• Time Zone

Setting to appropriate place – Greenwich for UK, CET for Europe, etc

• Reset clock (this time, set accurately)

If you set the time correctly when the camera starts, you will have to reset the time anyway as the default Time Zone is CET. Don't forget Daylight Savings.

• Tally Lamp

Front OFF, Rear ON

• Fan

Set to Automatic (as close as OFF as you can get)

• Frame Rate

Set to PF25, not 50i (that's for slomo)

• HDMI

Time Code ON, Rec Command ON (for Ninja)

CAMERA MENU

• ISO/Gain (Gain recommended)

Extended Range ON (for high ISOs)
Gain: increment - switch from Normal to FINE

• Zoom-Iris Correct - ON

Needed for Canon 18-135mm EF-S lens
Iris increment – Fine (1/6th stop)

• Shutter Increment - ¼ & 1/3 stop:

NTSC - 1/50th in 1/3 increments ONLY.

• Colour Bars – SMPTE

For PLUGE (set up/check your monitors)

• AF Mode – Continu.

When Dual Pixel Auto Focus is installed, set AF Mode from One-shot to Continuous, and assign a button (15) to AF Lock.

AUDIO SETUP (when handle connected)

• Audio Input

Limiter ON if it makes you feel safer (but…)

• Audio Output

Headphone Volume 12 (from 8) depending on your headphones and deafness
Consider assigning buttons 12 & 13 to raise/lower headphone volume

LCD/VF SETUP

• View Assist = ON (in C-Log mode)

Switch the CP to C-Log before setting this.
Recordings and WaveForm Monitor unaffected

• Peaking 1: Set colour from WHITE to RED

Default Gain 8/Frequency 2 settings best all round

• Zebra Select: Zebra 2

Zebra 2 is set to 100%, where whites can clip
Check that Zebra HD Output is OFF!

• Markers – ON: Aspect Marker - Grey

Aspect Ratio - 4:3 useful to check verticals - some missing, some odd ratios.

TC/UB SETUP

• Time Code

Mode = Preset, Run = FREE RUN, Setting = current time (accurate to the second). You now have 'Time Of Day' time code!
Check this is reasonably accurate on every shoot (don't forget time zones)

• User Bit - Type = Date

Adds the date to your metadata in addition to the Time Of Day code. If you find a way of reading this in your NLE, please tell us!

WRENCH MENU - CUSTOM FUNCTION

• F. Assist. B&W (Focus Assist)

Choose just Magnify (so the monitor turns B/W in magnify mode)

• Magn. Add. Disp. = PEAKING

When you magnify the display, peaking comes on automatically.

STAR MENU

• Add the following:

- CP CINEMA Locked
- Frame Rate
- AF Mode
- Periph. Illum. Corr.
- ABB
- Frame Rate
- Delete Last Clip
- Iris Zoom Correct;
- Headphone Volume

You're Done.

Now… SAVE IT TO DISK.

Wrench menu → Transfer Manu/CP → Save to SD

Canon C100 Factory Reset Cheat Sheet (UK Version)

To Put Screen info on HDMI ouput:

• Video Setup menu:

• Character Display = switch from VF to **Ext. Out**
• HD Onscreen Disp. On ← switch to **ON**
• SD Onscreen Disp. Off (default)
• Wrench (Other Functions) Menu → Custom Functions → **Character Rec** puts a red warning icon in the display if the HDMI output has **Character Display** enabled.

Warning: Zebra visibility on HDMI – check!

• It is possible to display the Zebra patterning on the HDMI output (e.g. use an external monitor on-set).
• However, this is controlled by an independent menu, so even if Character Display is disabled, the Zebras can still be visible. Check the menu setting:

• LCD/VF Setup: Zebra HD Output → OFF

Reducing screen Clutter:

• LCD/VF Setup: Custom Display 1

Light Metering: OFF
Custom Picture: ON
Focal Length: ON
ND Filter: ON
AF Mode: OFF
Key Lock: OFF
White Balance: ON
Exposure: OFF
Iris: ON
ISO: ON
Shutter: ON
Peaking: OFF
Magnification: ON
View Assist: ON
Lens: ON

• LCD/VF Setup: Custom Display 2

BitRate: OFF
Userbits: OFF

Slow Motion

The C100 can record 25P and 50i on the same card. Normally, we would not shoot in 50i mode, but it can be used to create quasi slow motion with surprisingly good results. Switch to 50i for slomo shots, and after import, place the 50i shots on a 25p timeline at 200% and ensure high quality deinterlace is used. This involves a 25% drop in resolution, but on 1920x1080 images, 75% = 810 lines, therefore in theory, beating the the C300's 720p50 images.

Assigning Buttons

• Each of the 15 numbered buttons is given a standard assignment, but there are duplicates and redundancies (ISO/Gain, Shutter etc best controlled on joystick, second Magnify button redundant).
• Transport controls in Camera Mode do not function and can be reassigned.

• Wrench Menu → Assign Button

Scroll down the list of buttons and select button 8: The list suggests the functions you can use for this button. At the bottom of the list is User Setting. This can actuate any menu command on all the menus. For example, the 08 Magn button can be assigned to go straight to the CP Cinema Locked choice which allows quick access to switching between your choice of Custom Picture profile and the C-Log mode. Alternatively, you can set a putton to ABB –
The most useful assignment if you have DPAF installed is AF lock, which will toggle DPAF on and off. Frame subject in centre with AF on, toggle AF Lock, and reframe to desired composition.

Suggested Button Assignments

(12) – Headphone Volume –
(13) – Headphone Volume +
(08) – CP Locked
(15) – AF Lock **(for DPAF)**

Custom Picture profiles

After a full reset, the C100 as Custom Picture set to OFF – there is no CP set. The images are considered 'safe' and the style is of a traditional video nature. Sharpening is present.

• Wide Dynamic Range (WDR)

This a good general purpose CP for use in most lighting conditions, but Sharpening is set to -2. It's recommended to make a copy of WDR by unprotecting it, copying to SD, then loading the SD version into slots 1-3 and modifying the Sharpness settings to -4, -7 and -10 (for chromakey) reso.

• C-Log

The safest way to use C-Log is to use the CP Cinema Locked menu, which can be put in your Star menu. C-Log is at its best in challenging and high contrast lighting conditions.
The nature of Log based images means that it's darker than linear images. By using a traditional brightness, you risk 'overexposing' in Log mode.

• Rec709 & 'Broadcast Safe' (clip at 100%)

• Create a copy of WDR and switch the Gamma
• The 'Normal 3' Gamma is considered 'Rec709'
• The 'Normal 4' Gamma is BBC Approved.
• In CP Menu, Select 'Fine' section
• Scroll down to Other Functions. Switch 'Clip At 100%' to **ON**

• EOS Std:

This profile emulates a consumer DSLR with factory settings – overly contrasty and vivid. If you wish to match an EOS, use WDR and grade your images to match the DSLR. Its only use, with extra sharpening, is to emulate a domestic camcorder.