



TMZ Z1U CAMERA CHECKLIST

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TMZ FIELD SONY Z1U CAMERA CHECKLIST

Every day, or before any important event, to make sure your Sony HVR-Z1U is ready to record the best quality HDV video and audio you should look at all the settings on your camera. For the most part, if these have already been set, you should never have to make any changes to your camera, but it is always best to check your camera to see that the following is always set correctly. A typical time to look at all of the following settings is around 5 minutes, or less.

PHYSICAL SWITCH SETTINGS (side of camera, starting at lens to back of camera)

- 1) At the focus ring, the **"ZOOM"** switch should be set to **"LEVER/REMOTE"**.
- 2) **"ND FILTER"** = **"OFF"** (select "1" and "2" as needed).
- 3) **"FOCUS"** = **"AUTO"** (unless you want to manually focus).
- 4) **"GAIN"** = **"H"** (it is inactive until "AUTO/MAN" switch is set to Manual)
- 5) **"PRESET"** = **"PRESET"** (not "A", or "B").
- 6) **"AUTO LOCK"** = **"AUTO"** - automates Z1U features including; shutter speed (should always be at 1/60, even in manual), white balance, iris and gain.
- 7) **"AUDIO SELECT"** = **"AUTO"** for both audio channels 1 and 2. Both channel 1 and 2 level faders should be set to "10". If you need a audio level boost, you can set the "AUDIO SELECT" switches to "MAN" (manual).
- 8) **"ZEBRA/PEAKING"** = **"OFF"** (unless you want to use this).
- 9) **MIC/PHANTOM = ON** - On the other side of the camera, in front of the two XLR connectors, there are two Phantom Power switches, the switch for CH1 should be set to **"ON"**. This will provide 48voltsDC to power the external mic. Without this on, you won't get sound with the external mic.



ZOOM = LEVER/REMOTE



ND FILTER = OFF, FOCUS = AUTO



AUTO/MAN = AUTO LOCK



AUDIO SELECT = AUTO



INPUT 1, MIC/PHANTOM = ON

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TOP MENU PANEL (under the LCD display when closed)

- 1) "**LCD BACK LIGHT**" switch should be set to "**ON**" (if switched to "OFF", you will have not display in the LCD display)
- 2) "**DISPLAY/BATT INFO**" button should be select to view battery charge and time code. (Camera needs to be powered on "CAMERA" to see this.)
- 3) "**TC/U-BIT**" should be set to see the time of day, time code running in the top right of the LCD display. Push this button until you see free-running time code (not dashes, if you don't see free-running time code, your cameras not set correctly... correct settings are below).



LCD BACK LIGHT = ON

MENU SETTINGS

- 1) Make sure you have a fresh battery on the camera.
- 2) Flip out LCD viewfinder.
- 3) Insert a blank HDV tape.
- 4) Select power to "**CAMERA**".
- 5) You should see in the upper right corner of the LCD viewfinder the time-of-day timecode running. You will only see this if tape is in the camera and the Z1U in "CAMERA" mode. You should also battery life and video format you are recording ("HDV1080i"). Following are instructions to set these correctly.



Battery life in minutes, time of day time code, zoom amount, video format (HDV1080i) and 4:3 Marker

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- 6) At the back of the camera, push the "MENU" button. On the left side of the LCD display, you will see a set of menu icons, which are "**CAMERA SET**", "**AUDIO SET**", "**LCD/VF SET**", "**IN/OUT REC**", "**TC/UB SET**" and "**OTHERS**".



What you will see on MENU select

- 7) At the back and bottom of the camera the "**SEL/PUSH EXEC**" silver roller button lets you roll through the menus and pushing in on the roller selects items.
- 8) Once you have made your changes, you simply push the **MENU** button again to exit and the changes you make will be remembered by the Z1U.
- 9) Most of the SONY Z1U default factory settings are good, there are a few that do need to be changed for TMZ needs. The submenu items below that are **BOLD**, need to be changed from factory default. Roll to the menu of each category and push the "SEL/PUSH EXEC" button to select the submenu.

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"CAMERA SET" SUBMENU's (needs changes in **BOLD**)

WB PRESET	OUTDOOR
WB OUTDR LVL	0
GAIN SETUP	
SHOT TRANS	
COLOR CORRECT	OFF
STEADYSHOT	ON
STDYSHOT TYP	STANDARD
PEAKING	
AF ASSIST	OFF (make sure this is set to OFF, it can cause focus problems)
AE RESPONSE	FAST
MARKER	ON (make sure this is set to ON to enable the LCD 4:3 markers)
MARKER SEL	(push in roller button for submenu, see below)
FLCKR REDUCE	ON
HANDLE ZOOM	
ZEBRA LEVEL	80
BARS TYPE	TYPE1
SETUP	0% (is dimmed)
FRAME RECORD	OFF (title is dimmed, cannot be set)

At the "MARKER SEL" subsubmenu change the settings to;

MARKER SEL	
OK	
CENTER	OFF
4:3	OFF
SAFETY ZONE	ON

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"AUDIO SET" SUBMENU's (needs changes in **BOLD**)

AUDIO MONI	CH1+CH2
AUDIO OUTPUT	2Vrms
AUDIO MODE	FS48K (title is dimmed, cannot be set, should be 48k)
AUDIO LOCK	LOCK MODE (title is dimmed, cannot be set)
AUDIO LIMIT	OFF
MIC NR	ON
MIC SELECT	XLR (make sure this is set to XLR)
INT MIC SET	>
XLR SET	> (push in roller button for submenu, see below)

At the "XLR SET" subsubmenu, change the settings to;

XLR CH SEL	CH1, CH2 (this sets the mic to send to both CH1 & CH2.)
XLR AGC LINK	SEPARATE
INPUT1 LEVEL	MIC
INPUT1 TRIM	0
INPUT1 WIND	OFF
INPUT2 LEVEL	MIC
INPUT2 TRIM	0
INPUT2 WIND	OFF



Push in "STATUS CHECK" to see audio levels and if Phantom Power is on

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"LCD/VF SET" SUBMENU's (should need no changes)

LCD COLOR	-----.
LCD BL LEVEL	NORMAL
VF B. LIGHT	NORMAL
VF COLOR	ON
VF POWER	AUTO

"IN/OUT REC" SUBMENU's (should need no changes)

REC FORMAT	HDV108i
<input type="checkbox"/> REC MODE	DVCAM (title is dimmed)
<input type="checkbox"/> DV WIDE REC	ON (title is dimmed)
EXT REC CTRL	OFF (ON & STOP if using Firestore FS-4ProHD drive)
COMPONENT	1080i/480i
i.LINK CONV	OFF (should be ON for Live Stream to web)
DOWN CONVERT	EDGE CROP

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"TC/UB SET" SUBMENU's

(needs changes in **BOLD** – the combination below uses CLOCK SET for real-time, Time Code)

TC PRESET	00:00:00:00
UB PRESET	00:00:00:00
TC FORMAT	AUTO
TC RUN	FREE RUN
TC MAKE	REGENERATE
UB TIME REC	ON (this will use " CLOCK SET ", set below, for "Time of day Time Code")

"OTHERS" SUBMENU's

(needs changes in **BOLD**)

ASSIGN BTN	(see below)
CLOCK SET	APR 18 2008 11:13:30am (or whatever the current time is.)
WORLD TIME	0
LANGUAGE	ENGLISH
QUICK REC	ON (with this off, record start takes 4 second, on = 2 seconds)
BEEP	OFF (turns BEEPS off for record start/stop...)
REC LAMP	OFF (turns record LED off so celebs... don't know when you're in record)
FORMAT LAMP	ON
IRIS DIAL	NORMAL
LETTER SIZE	NORMAL
<input type="checkbox"/> REMAINING	ON
DISP OUTPUT	LCD PANEL
ZOOM DISPLAY	NUMBER (displays zoom in numbers)
LETTER SIZE	NORMAL
EXP. FOCUS	AUTO OFF
HOURS METER	(no changes necessary)
DATE REC	OFF
REMOTE CTRL	OFF (this should be off, you don't want someone controlling your cam)
50i/60i	60i

At the "ASSIGN BTN" subsubmenu, change the settings to;

ASSIGN1 **BACK LIGHT** (this sets assign button 1 to Back Light, used when there is bright light, like the sun, is behind the subject and all you see is their black silhouette, Back Light can bring your subject into view.)