



TMZ FIELD CAMERA PACKAGE QUICKSTART GUIDE

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TMZ FIELD Z1U CAMERA GUIDELINES (see details & images below)

SONY Z1U SETUP:

SHUTTER SPEED: **Must be set to 60 (=1/60sec.) (no faster than 250).**
TIME CODE: DROP FRAME
AUDIO LEVEL: AUTO (Manual if you need to boost audio)
FOCUS: AUTO (Manual when possible to reduce focus problems)
IRIS: MANUAL
FORMAT: HDV/1080i
WHITE BALANCE: TO SCENE (SET AUTO WHITE TO OUTDOOR)
AUDIO INPUTS: CH1 TO BOTH CHANNELS

EXTERNAL MIC, CHANNEL 1 INPUT. INPUT LEVEL: MIC
PLUG SHOTGUN INTO CHANNEL 1 INPUT

"i.LINK CONV" must be set to "OFF" to trigger the Firestore FS-4ProHD
i.LINK CONV (HDV to DV Downconvert) = OFF
EXT REC CTRL = SYNCHRONOUS = ON , STBY COMMAND = STOP

TMZ FIELD FIRESTORE GUIDELINES (see details & images below)

SETTINGS ARE AS FOLLOWS;

TO MOVE THROUGH MENUS, PRESS LEFT OR RIGHT ARROW KEYS.
RECORD MODE: HD
FILE FORMAT: QUICKTIME
TIME CODE: EXT (EXTERNAL)
PLUG UNIT INTO CAMERA "iLINK" PORT. PLUG FIREWIRE CABLE INTO "DV" PORT
OF FIRESTORE. **It is important to follow Firewire cable install guidelines in**
this booklet to avoid lost Firestore footage – it must be secure !!!!

WHEN SETUP PROPERLY, YOU SHOULD ONLY NEED TO PRESS 2 BUTTONS:
1) POWER ON
2) SYNC (IF NOT ALREADY SELECTED, PLACES UNIT INTO "SYNCRO SLAVE" MODE)

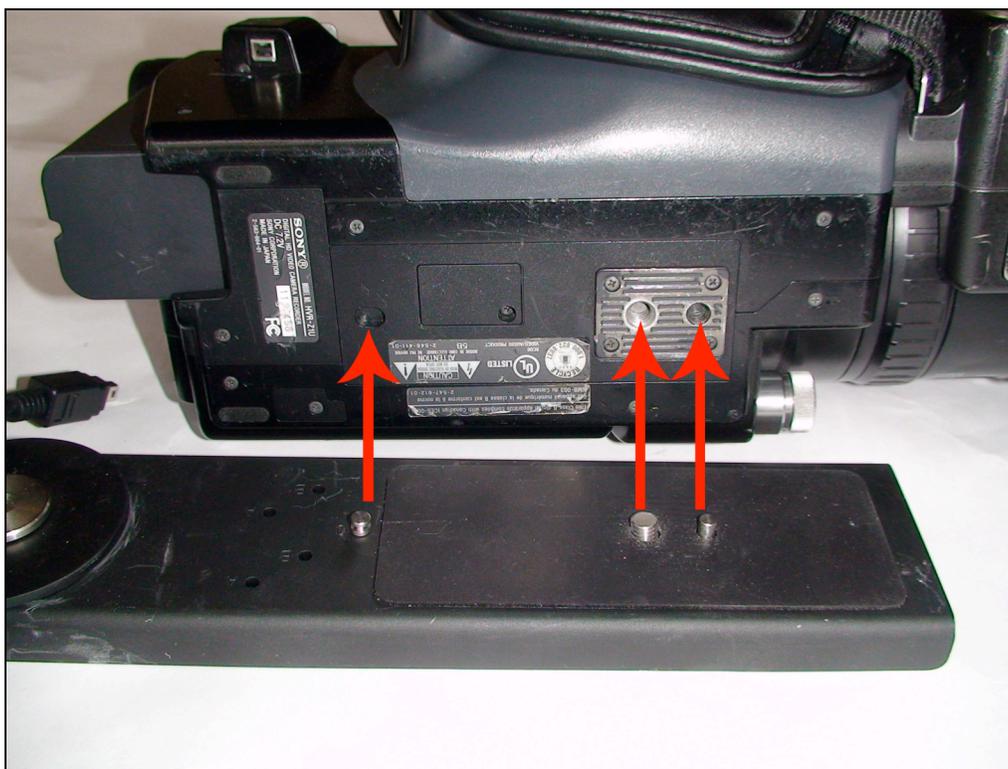
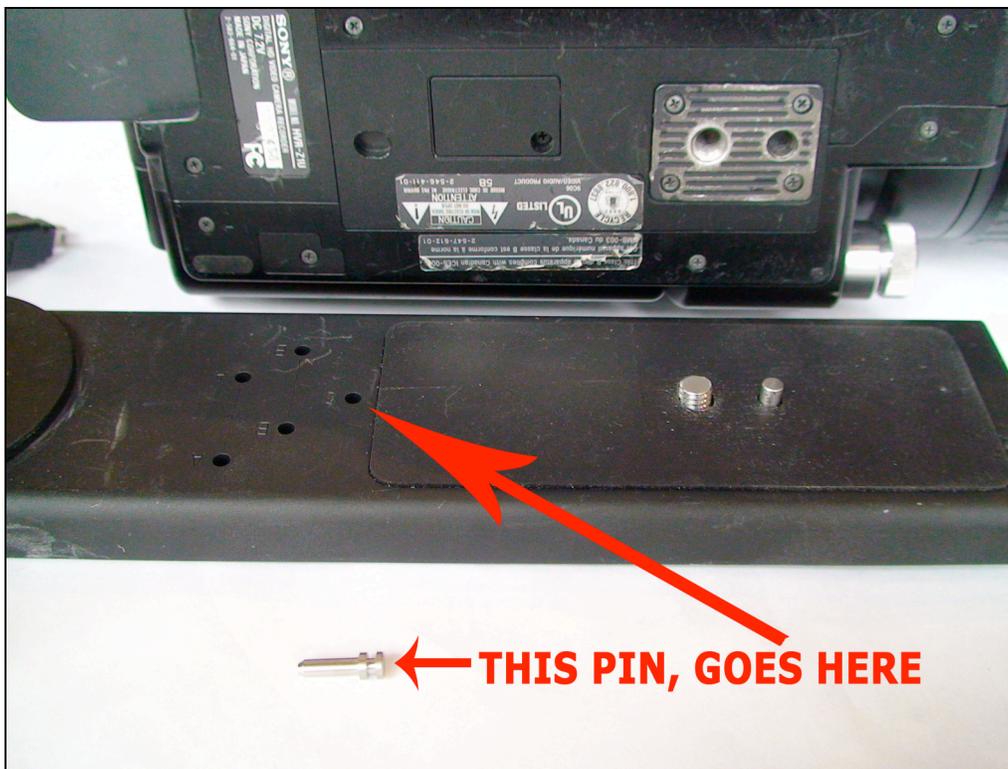
Once SYNC is pressed, the display will flash purple until you press record on the
camera, when the unit will start and stop in sync with the camera record.

TMZ FIELD MICROPHONE GUIDELINES (see details & images below)

SENNHEISER SHOTGUN MICROPHONE – The microphone should have the roll-off
selected. That is the small "RED" switch above the "Batt. On" switch. This will roll-
off any low end rumble for best audio.



**SONY Z1U FULL CAMERA PACKAGE
(NOT INCLUDING LITEPANEL)**

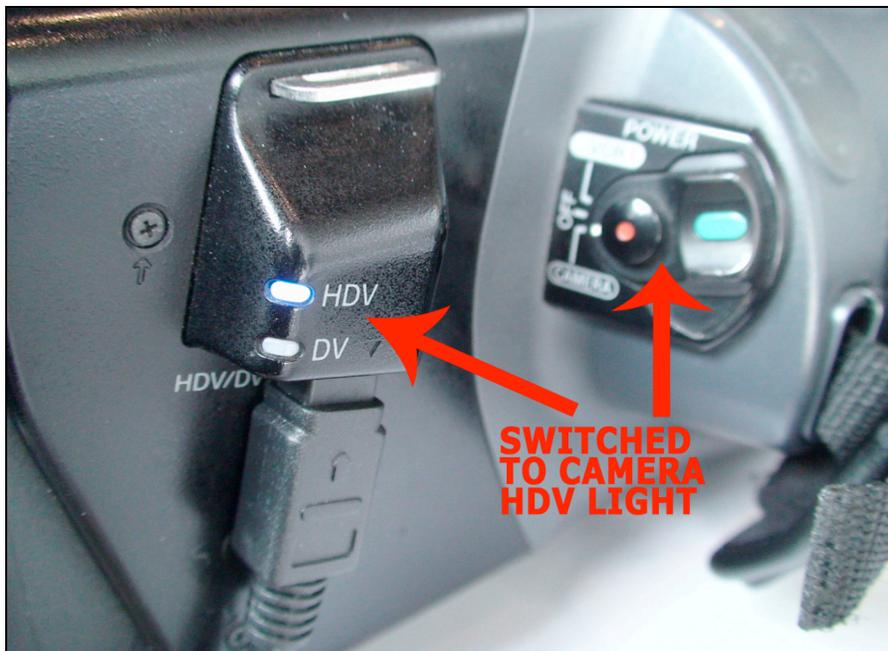


The Firestore bracket should have a pin (see image) that aligns the bracket so it is straight on the camera and to keep the bracket from moving.

SONY Z1U MENU BUTTON, SCROLL AND SELECT ROLLER



Using the Sony Z1U "MENU" button enters the Menu on the Z1U video display, using the roller/button on the bottom of the Z1U is how you scroll through menus and pushing in on that roller selects menu items.



You should see the HDV lights, lit up, which tells you your camera is ready to record HDV video.

SETTING SHUTTER SPEED TO "60" ON SONY Z1U



The Sony Z1U should have its shutter speed set to 60 (1/60sec.). 60 is the TMZ standard shutter speed. Do this by sliding the "AUTO LOCK / HOLD" slider to the center position, push on the "SHUTTER SPEED" button and using the roller wheel on the back of the Z1U, select the shutter speed of "60" (viewable in the Z1U display - above image). Push "AUTO LOCK / HOLD" slider to "HOLD" to lock the shutter speed.

SONY Z1U SETTING FOR FIRESTORE RECORD TRIGGER TO CAMERA RECORD

The Sony Z1U must be set to "i.LINK CONV" to "OFF" to trigger the Firestore drive to record when you hit the Record button on your camera. If this setting is not "OFF", Firestore will not record!!!!

Setting the Sony Z1U menu for "i.LINK CONV" to "OFF"



Using the roller wheel on the back of the Z1U, select "IN/OUT REC" menu ...



Select "i.LINK CONV" ...



Select "HDV->DV CONV" ...



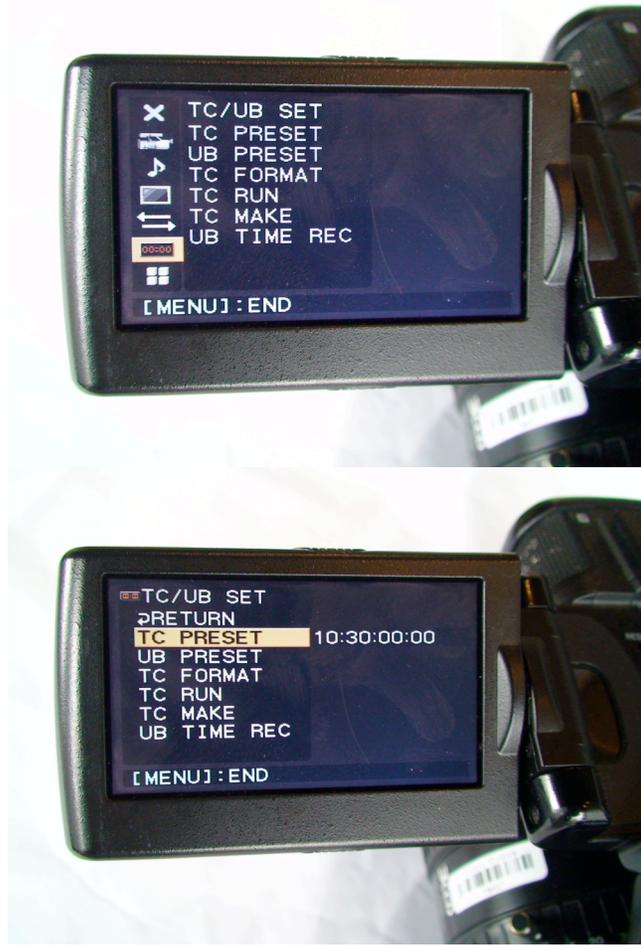
Select "HDV->DV CONV" / "OFF" and push in on the roller wheel.
Hit the "MENU" button on the back of the camera to end this operation.

SONY Z1U FREE RUN / TIME OF DAY SETTINGS

(Use Z1U roller wheel to scroll through menus and push in to select, use roller wheel to change time values, hit the Menu button to end).



To allow recording the "Time Of Day" from the Sony Z1U to the Firestore drive, it is necessary to make two changes. 1) to set "TC RUN" to "FREE RUN"...



2) Set the time in "TC PRESET" for the correct time of day at the time you are setting this. Once you select "RETURN", this time code will be used by the "FREE RUN" display, which should be the time of day and date any footage was shot on the Z1U and may be used as a reference for TMZ TV for the time/day any video was shot.

SETTING "CLOCK SET" ON THE SONY Z1U

(Use Z1U roller wheel to scroll through menus and push in to select, use roller wheel to change time and date values, hit the Menu button to end.)



Set the "CLOCK SET" to the correct time and date, though this is not used for the "FREE RUN" time code, it is encoded into the Firewire data stream and can be recalled later for the correct time and date any HDV, or DV video is recorded.

FIRESTORE FS-4ProHD HDV AND DV HARD DISK RECORDER

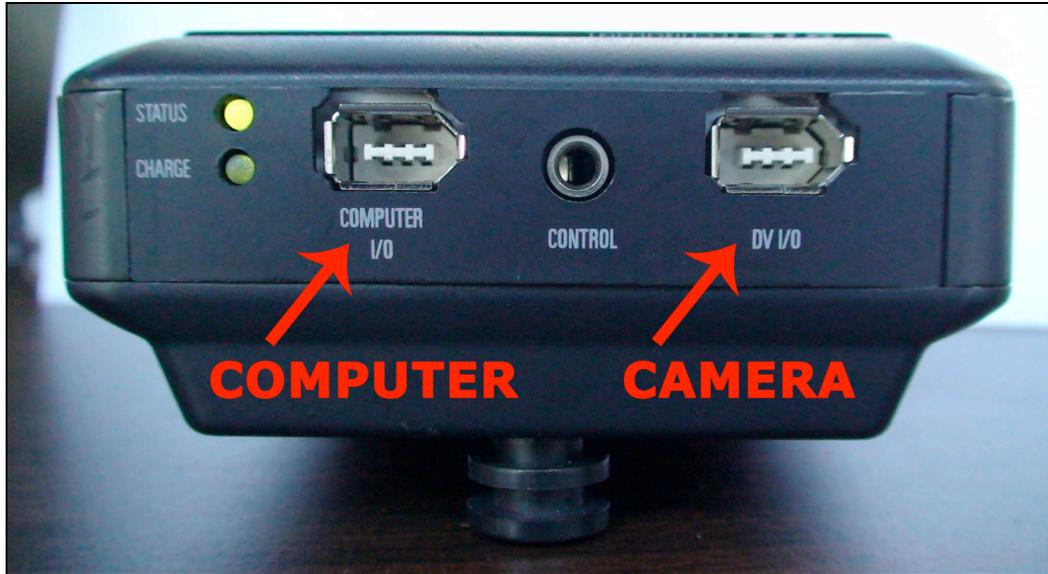


Notice the angle of the Firewire cable connector that is plugged into the FS-4ProHD. It is possible to connect this backwards, which will not record video to the Firestore drive. Make sure this Firewire connector is correctly installed (the connector has one rounded side and one flat side, so does the cable, they should match!).



It is very important to wrap the Firewire cable around the mount (see photo) and push the cable under the battery and up into the Z1U camera (4 pin) Firewire input. This will "spring load" and force the cable into the camera to reduce the chance of the Firewire cable falling out, or being pulled out of the camera. The Firestore (6

pin) Firewire connector connects as in the photo and is also forced into the connector for a secure connection.



Firestore FS-4ProHD hard disk recorder Firewire connections. Notice on the two Firewire connector ports, one side of the connector is flat, the other side is rounded, the Firewire cable also has the same design and must be installed to match, or you will not trigger and record video to the Firestore drive.

Connect the Z1U, or any other Firewire device (camera, VTR,... Etc.) to the "DV I/O" Firewire port to record HDV, or DV video. You can use this Firewire port for "SYNC" record (where a compatible Firewire device like the Z1U, triggers Firestore record), as well as "LOCAL" record, where you use the Firestore to start and end Firewire record. You can also use the port to playback video from the Firestore, to your Z1U video screen. Simply hit play on the Firestore and have your Z1U set to "VCR".

Connect a computer from Firewire to the "COMPUTER I/O" Firewire input to copy HDV, or DV video from the Firestore to your computer.

TROUBLESHOOTING NOTE - "MY FIRESTORE WON'T RECORD?": If your Firestore Firewire cable becomes disconnected from your Sony Z1U when they both have power to them for regular use, the Firestore may stop recording (your Z1U still records to video tape, so you are backed up). The fix appears to be to;

- 1) power off both the Z1U camera and the Firestore hard disk recorder,
- 2) power on the Firestore first until it is fully up and running, then
- 3) power on the Sony Z1U camera.



To power up the FS-4ProHD, hold the "POWER ON" button down for around one second and release. The Firestore drive should start up (the "release" of the button starts it up). To power off the FS-4ProHD, hold the "OFF" button down until you hear six "beeps" and until the Firestore powers itself off.

Using the Left "<" and Right ">" buttons that surround the "SELECT" button, will step you through the various menus. Using a combination of the Left, Right and Up, Down buttons moves you around the menus. Hitting the "SELECT" button enables features for the Firestore.



FS-4ProHD Firmware version 2.1.0 provides video and audio sync and defaults to HDV recorded as a QuickTime (instead of m2t). Version 2.0.0 records the Audio being out of sync by 2 frames ahead of the Video and the HDV video defaults to M2T (not QuickTime).



RECORD & PLAYBACK LOCAL TO FIRESTORE (from any Firewire source)

RECORD - The FireStore FS-4ProHD allows recording in "SYNC" to the Record Trigger of the Z1U HDV Video Camera. The FS-4ProHD also lets you Record independently of the camera record trigger. To do this you hit the "RECORD" button once, to enable local record, and hit the "RECORD" button a second time, the FS-4ProHD begins recording whatever Firewire signal is at its "DV I/O" input. This is useful if you want to record from someone else's Firewire camera, or VTR. If you are in the field and someone else has footage you must have, this is one way to get that footage. Hitting the "STOP" button, stops the record.

PLAYBACK - Hitting the "PLAY" button, plays HDV, or DV video out of the FireStore "DV I/O" Firewire port. With your Z1U set to VCR, it will display your FireStore video on your Z1U display so you can preview footage in the field. You can also playback to any HDV VTR this way as well. Also, if you need to broadcast your footage, you can playback from the Firestore, via a VTR which can (in many cases) playout the Firestore video and convert in real-time to the VTR's other outputs (component, composite, SDI... video and audio) - this all depends on the VTR.

FIRESTORE FS-4ProHD MOST IMPORTANT MENUS



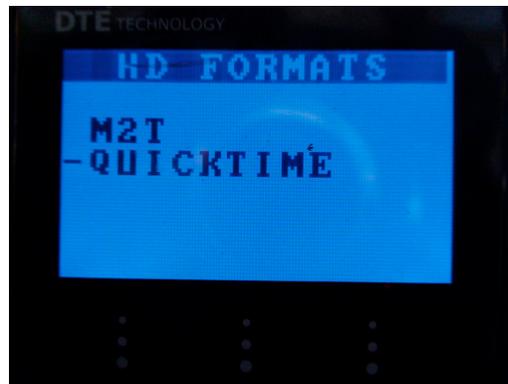
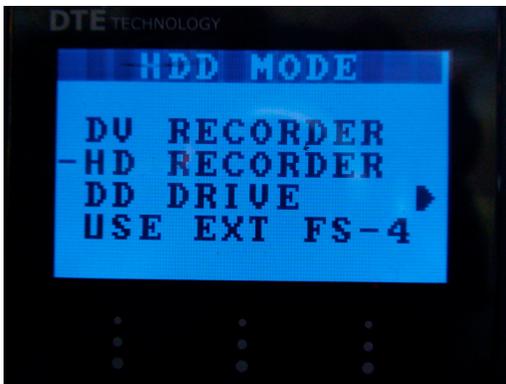
This is the first screen you see when you first power on the FS-4ProHD. There are three important buttons (shown in image) you will use in daily operation. They are the "SYNC", "DISP" and "DD" buttons (the physical buttons are on the case, just below the words in the display).

When you push the "SYNC" button that enables "SYNC" record, which triggers the Firestore to record when the Z1U camera is in record and the Firestore stops when the Z1U camera record is stopped.

The "DISP" button allows you to view various counters, including SMPTE Time Code and other counters.

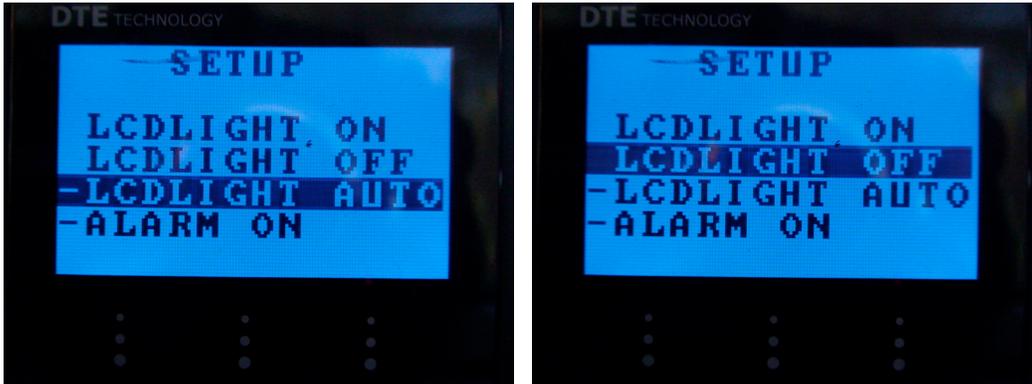
The "DD" button enables the Firestore for connecting to a computer. Once you hit the "DD" button, follow the directions on the Firestore display – it is very simple!

HD & QUICKTIME (this must be set!)



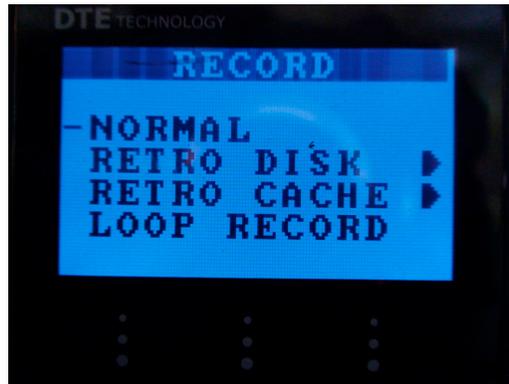
These two menus show what you need to have selected for TMZ HDV recording, which is HD and QuickTime. If you don't have these selected, the Firestore will not record usable HDV video. We will have to capture off of tape. **Always have tape in your camera and record on the tape and Firestore – BOTH!!!!** The tape is our backup if your Firestore does not record your video. **WITHOUT EITHER WE'RE SCREWED (and so are you)!**

LONGER BATTERY LIFE



To allow your battery to last longer, it's a good idea to set the "LCDLIGHT" to "OFF", or "AUTO". This can add about 30% more life to your battery, or a good 30 minutes of additional record time.

NORMAL & RETRO CACHE RECORDING



You can set your "RECORD" to "NORMAL", or "RETRO CACHE". "NORMAL" allows for quicker recording from the Firestore and Firestore starts recording HDV video at the moment your Z1U starts recording. "RETRO CACHE" allows an additional 8 seconds of pre-cached HDV to be recorded, what that means is the Firestore is always recording HDV video in an 8 second loop, and when you hit the Z1U record button, that 8 seconds is cut into the front of your video, so you will actually catch 8 seconds of action before you hit record on your Z1U. (I know it says 10 seconds, but it only

adds 8 seconds.) Just be sure your lens cap is off and your Z1U camera is powered on and set to "CAMERA".

FORMATTING YOUR FIRESTORE



Image 1



Image 2

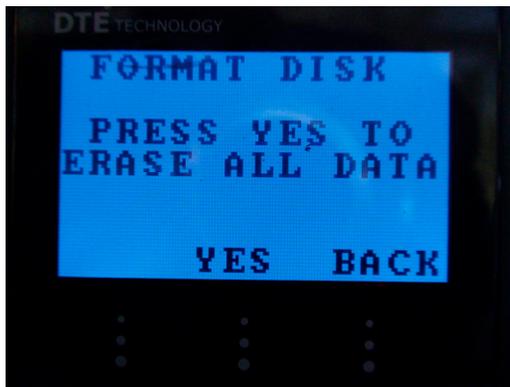


Image 3

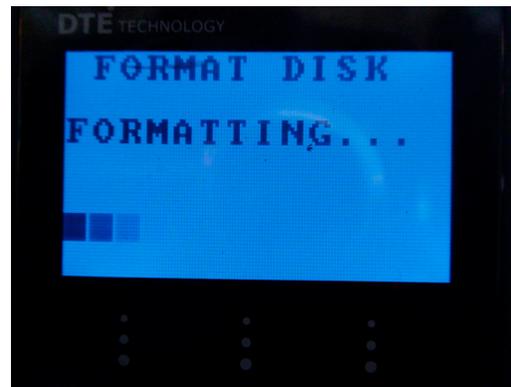


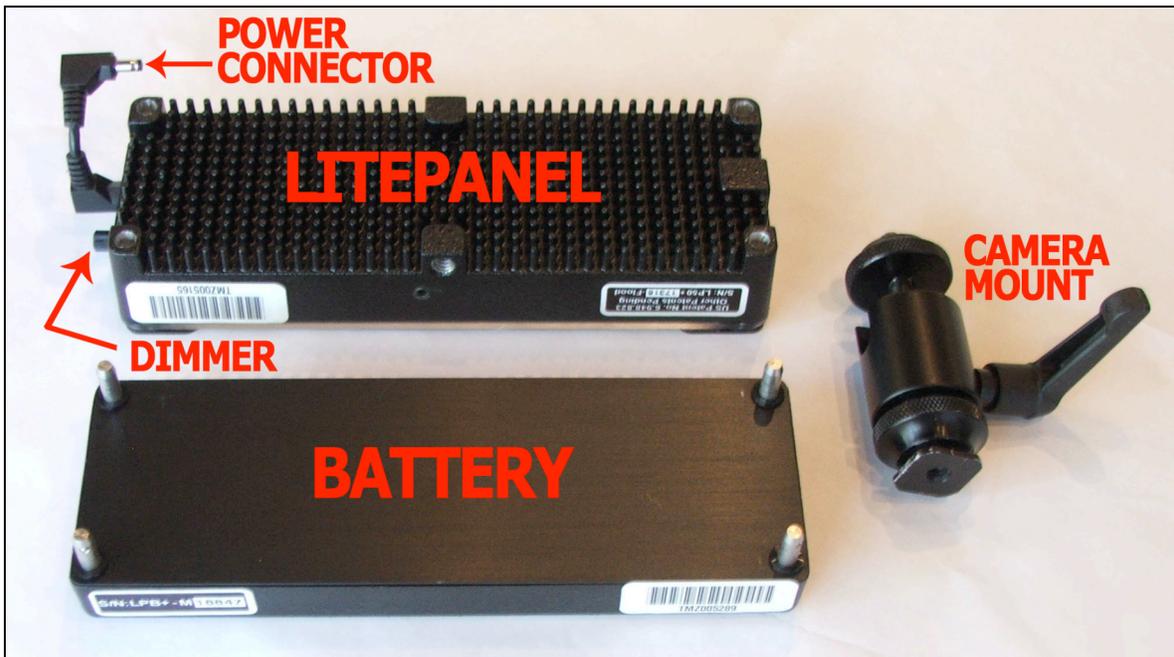
Image 4

It is always a good idea to format your drive before you begin using it, for best Firestore performance. Move to the "UTILITIES" menu, using the "Up/Down" keys scroll through the "UTILITIES" menu until you reach "FORMAT". Scroll to the right, you will see the menu asking you to "PRESS YES TO ERASE ALL DATA". Press the physical button below the word "YES". You will see a moving/animated bar across the bottom of the Firestore display (Image 4). This takes about one or two minutes for all video will be erased from your Firestore drive. If it the display just keeps going with the animated bars for a very long time (don't wait longer than ten minutes), remove the battery to stop this operation (there is no other way) and try it again, this does work (I've done it!).

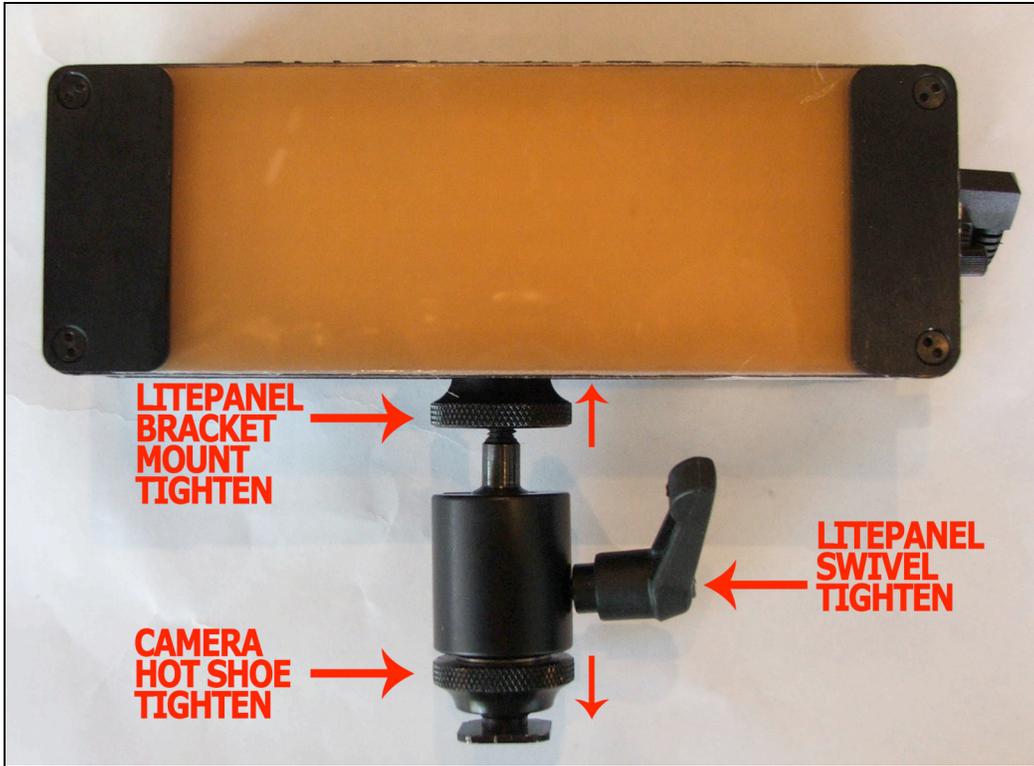
LITEPANELS LIGHTING FOR SONY Z1U



LITEPANEL MOUNTED ON SONY Z1U HDV CAMERA IN HOT-SHOE



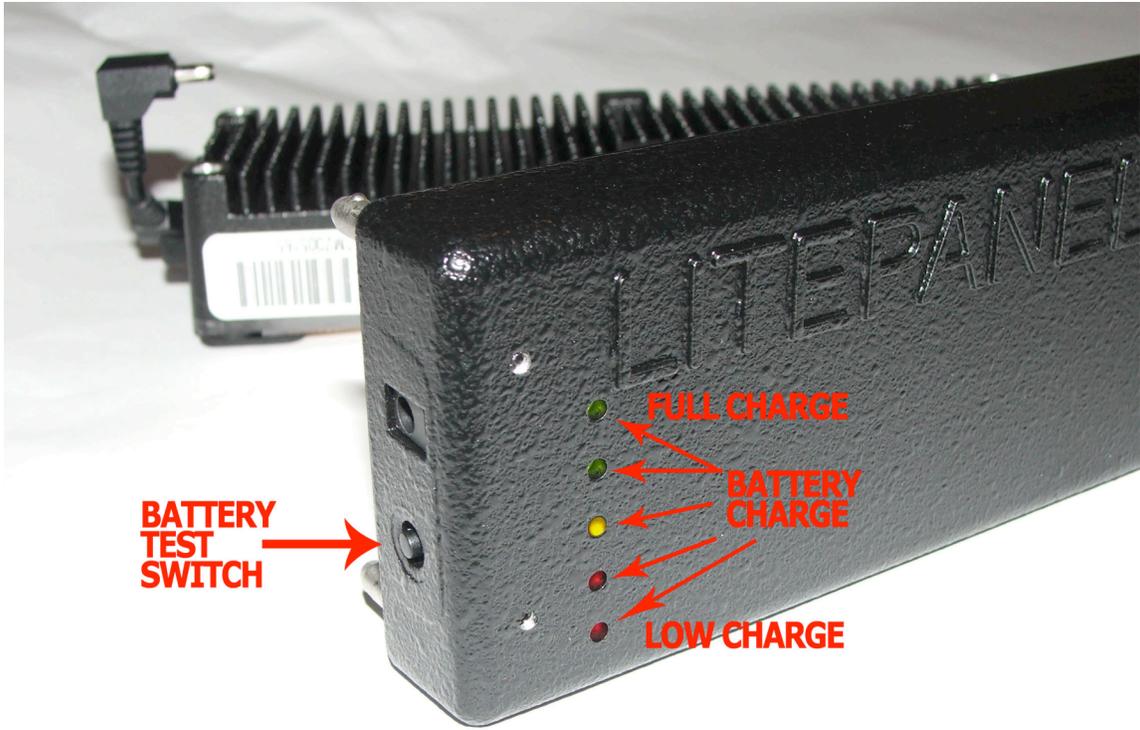
Litepanel detached from battery and camera hot-shoe mount. The pins on the battery push into the holes on the Litepanel back, these are not powered, they are only for mounting. The short cable on the left side in this photo is the power cord.



FRONT VIEW



Rotate the Dimmer to adjust Litepanels brightness



BACK SHOWING FULLY CHARGED BATTERY



Insert Gels as needed for best lighting. They lift up and slide into place (no tools needed).

SENNHEISER SHOTGUN MICROPHONE ROLL-OFF



SENNHEISER SHOTGUN MICROPHONE - Push the RED switch to the right for roll-off (see image above).