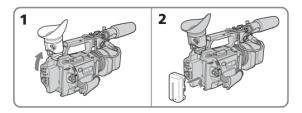
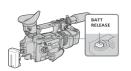
# **WATTACHING A BATTERY**

- (1) lift up viewfinder
- (2) insert battery with contacts at the bottom. (Click )



Removing the battery: press Batt Release and pull battery up and out.



# THE ON BUTTON



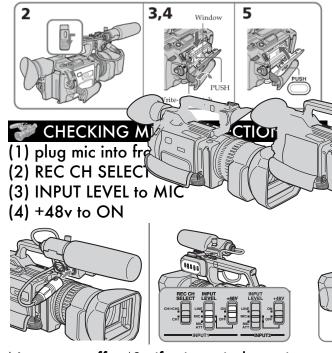
set switch to CAMERA Press red button once to record,

once to pause.

# **WINSERTING A CASSETTE**

2. press the blue eject switch to open the cassette lid

- 3. cassette window faces out,
- 4. write protect tab faces up.
- 5. only press where it is indicated



Note: turn off +48v if using wireless mics

# **WENU SETTINGS CHECKLIST**

Press Menu to turn on.

(use the wheel at the back to move and press to select menu items



C D ZOOM - OFF

C 16:9 WIDE - ON \*don't mix 16:9 + 4:3

STEADY SHOT - ON

WIND - OFF

HOLD move this switch to top -position to shoot in Auto mode.

🚾 REC MODE - DVCAM

O AUDIO MODE - FS48K

- MIC NR OFF
- 🔟 AUDIO SET > AGC1/2 = ON
- ETC COLOR BAR ON
  - Record 20 seconds of colour bars
- ETC COLOR BAR OFF
- ETC DATE REC OFF(never turn ON !!!)
- Press Menu to turn off

# **WANUAL CRITICAL FOCUS**

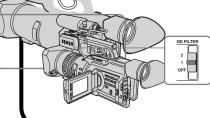
\* Is the lens clean?

by setting up your focus before you start shooting, you can easily change your shot size by zooning and the image will always stay in focus.

1.switch focus switch to manual

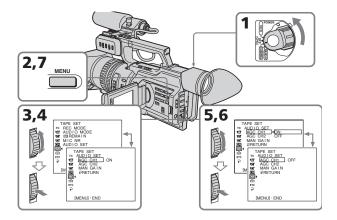
- 2 close TED screen and look into viewfinder
- 3 adjust viewfinder for your eye
- 4.set up your shot

5.zoom in on subject's eyes, focus 6.reframe your shot, and shoot.



Make sure the ND filter is off - only use in very bright settings. Camera will flash ND1 / ND2 on screen if filter is needed

### WANUAL AUDIO CONTROL SETUP



- 1. Set the POWER switch to CAMERA
- 2. Press MENU to display the menu.
- 3. Turn the SEL/PUSH EXEC dial to select

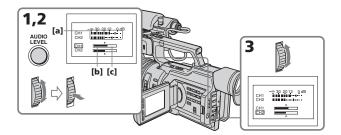


[MENU]: END

item	set.	what happens		
AGC CH 1	ON OFF	Switches the recording level adjustment of the channel1 from automatic (ON) and manual (OFF).		
AGC CH 2	ON OFF	Switches the recording level adjustment of the channel 2 from automatic (ON) and manual (OFF).		
MAN GAIN	SEP LINK	Sets the recording levels of channel 1 and channel 2 linked (LINKED) or separated (SEPARATED).		
AGC 2 + LINKED MAN GAIN ONLY WORKS				

WHEN USING THE SECOND MIC INPUT

#### **WADJUSTING RECORDING LEVELS**



- [a] Recording level meter
- [b] Decrea
- [c] Increase

1. Press the display the display in s	
2.Turn the the recordi press the d and you cc the channe	~

3.Turn the SEL/PUSH EXEC dial to adjust the recording level of the channel 2.

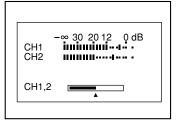
To clear the recording level adjustment display, press AUDIO LEVEL again.

#### when AGC CH1 or AGC CH2 is set to ON

You can see the recording level adjustment display, however, you cannot adjust the recording level of the channel that the item above is set to ON.

### When MAN GAIN is set to LINKED

The recording level adjustment display is changed like so:



### MANUAL CONTROL SETUP



Move Auto Lock switch to the middle position. To save Manual settings, move this switch down to HOLD

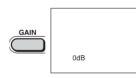
There are 3 buttons on the back of the camera that allow us to set manual controls. Pressing one of these buttons will cause a symbol to be selected on the LCD screen.



GAIN SHUTTER SPEED WHITE BALANCE

We use this little wheel to select and change the manual settings of the camera

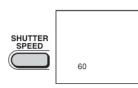
## MANUAL GAIN



Gain affects the sensitivity to light of the camera. Too much gain will make the image grainy and will mess up the white

balance. Keep Gain at zero.

### MANUAL SHUTTER SPEED

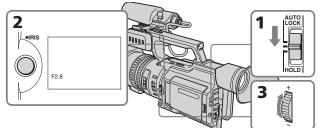


Lower shutter speeds need less light, but creates a ghosting effect with movement, which can be used as an

effect. Higher shutter speeds need more light are useful for rapidly moving objects. If you plan to create freeze frames, using a higher shutter speed will result in more image detail.

### MANUAL IRIS

Iris control is in front of the LCD screen. When iris is manual you will see F stop info on screen.





Using the zebra for exposure.

1.Use Zebra 100

- 2. Have subject hold a white
- piece of paper. Adjust iris until

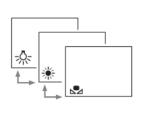
only the paper has the zebra stripe.

**MANUAL WHITE BALANCE** 



White balance adjustment is used to tell the camera what is true white, resulting in

being correct.



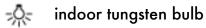
1. set the AUTO LOCK switch to the center

all other colours also

2. Press WHT BAL.

You should see the white balance indicator on the screen

3. Turn the SEL/PUSH EXEC dial to choose the white balance you want.



outdoor sunny day

manual setting

- (1)Fill the frame with a piece of white paper that is being lit by the same lighting setup.
- (2) Press the SEL/PUSH EXEC dial until the white balance symbol stops flashing.
- (3) Re do the manual white balance for every new lighting setup.

### **W** CAMERA CHECKLIST - AUTOMATIC

Adjustments to check

- ✓ Auto Lock switch to top position
- ✓ Menu settings adjusted
  - ✓ D Zoom off
  - √ 16:9: on / off
  - ✓ Rec mode: DVcam or SP
  - ✓ Audio Set : auto, manual, partial
- ✓ ND filter turned off ?

#### Basics

- ✓ battery charged
- ✓ lens clean
- ✓ tripod level and sturdy
- ✓ tape rewound or at proper position
- ✓ 20 seconds of colour bars or black at beginning of tape

### Focusing

- ✓ Focus switch to manual
- ✓ eyepiece adjusted for operators eye
- ✓ critical focus done before shooting

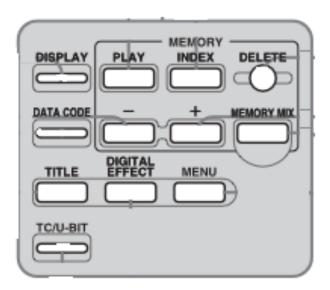
### Logging

- ✓ tape labelled with date and camera #
- ✓ tape box labelled with camera #, date and producers last names
- ✓ Timecode display selected with TC/ U-bit button (00:00:00:00 on LCD display )
- ✓ camera log neatly written and accurate

### 💞 CAMERA CHECKLIST - MANUAL

- ✓ Auto Lock to middle position
- ✓ Gain set to OdB
- ✓ Shutter set to 30 125
- ✓ Iris adjusted with zebra at 100
- ✓ White balance set with lighting change
- ✓ Auto Lock to Hold position once all manual settings are done
- ✓ Audio levels adjusted for each mic

#### 💞 BUTTONS



- memory-play-index-delete : used for memory card
- •
- DIGITAL EFFECT ( page 40 ) STILL -FLASH -LUMI-TRAIL -OLD MOVIE
- TITLE used with memory card
- DATA CODE: to see data on screen
- DISPLAY: to see date/time on screen
- END SEARCH : to go to end of last recorded scene - won't work if tape is ejected
- ZEBRA : shows brightest spots of image: 70= skin tone, 100 = pure white